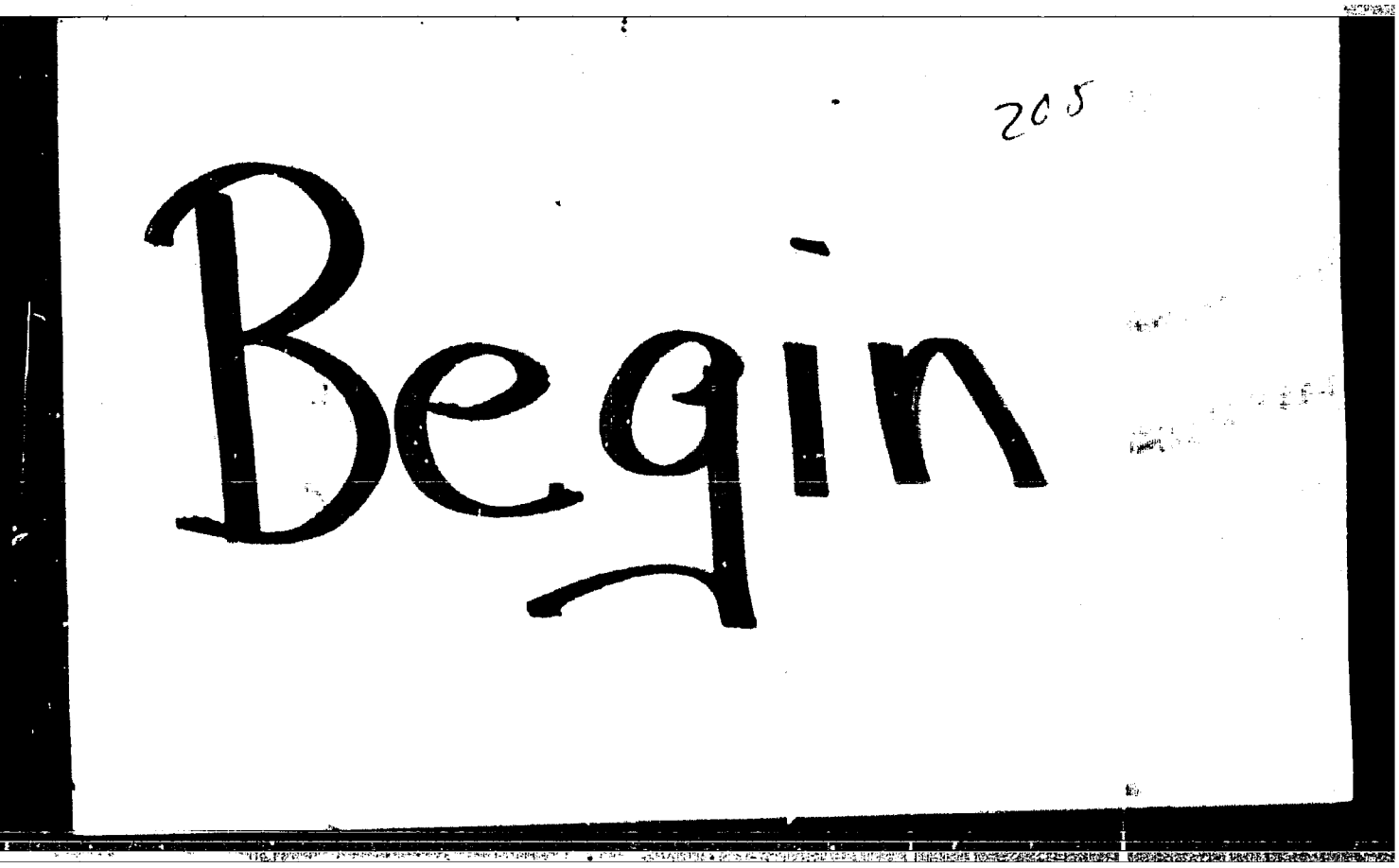

L 37042-65 EWT(m)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5017102 UR/0054/65/000/002/0120/0124

AUTHOR: Stolyarov, K. P.; Drobachenko, A. V.

TITLE: Semiquantitative fluorometric determination of copper with the aid of benzoin

SOURCE: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii, no. 2, 1965, 120-124

TOPIC TAGS: semiquantitative analysis, fluorometric analysis, benzoin, copper analysis, luminescence reaction, ultraviolet irradiation, absorption spectrum, luminescence spectrum/SF-4 quartz spectrometer, ISP-51 spectrograph

ABSTRACT: The authors describe a method they developed for determining the content of copper according to the formation of a luminescent compound through interaction with solutions of benzoin. First, the optimal reagent ratio for maximum luminescence yield was determined by irradiating with ultraviolet rays different amounts of solutions of copper salt, benzoin, and complexing agents. Solutions of the following concentrations were used: 13N ammonia solution, 10% pyridine solution, 0.1M solution of complexone III, and 0.2% alcohol solution of benzoin. After the optimal reagent ration was determined, a quantitative analysis

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ACCESSION NR: AP5017102

of the luminescence reaction was performed. It was established that the blue-colored luminescence is a function of the duration of experiment and increases in intensity with time. It is best to perform the reaction in an aqueous or alcohol-water alkaline medium, as then the absorption spectra can be most easily detected. The fluorometric measurements of luminescence intensity with respect to a standard solution of quinine sulfate were carried out by means of a single-beam fluorometer. The luminescence was excited by means of a PRK-4 mercury-quartz lamp with filtered light and the luminescence spectra were examined by means of an ISP-51 spectrograph, with the absorption spectra in the 220-400 mμ range being examined by means of an SF-4 quartz spectrophotometer. The fastest method of qualitative determination of copper in a reaction between a copper salt and benzoin is the spot test. A drop of the investigated solution, a drop of 13N ammonia solution, and a drop of 0.01M alcohol solution of benzoin are successively deposited on filter paper and the wet spot is examined in ultraviolet light. If copper is present, a bluish glow is observed. For the semiquantitative determination of copper, the reaction may be performed both in a solution and on paper. An aliquot of the investigated solution based on a Cu content of at least 10^{-6} mol/25 cc (sensitivity limit) is poured into a 25 cc measuring flask to which, thereupon, 1 cc of 13N ammonia solution, 10 cc of ethyl alcohol, and 1.2 cc 0.01M of alcohol solution of benzoin are added, the remaining

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ACCESSION NR: AP5017102

space being filled with water. Some 20 min later the luminescence intensity of the solution is fluorometrically measured. In the presence of copper concentrations of $1 \cdot 10^{-5}$ mol/25 cc and higher the luminescent glow stabilizes somewhat more rapidly and measurements may be performed after 10 min. Further, a theory of the mechanism of the reaction between the ions of copper and benzoin is proposed on the assumption that one of the reaction's stages is:

$$C_6H_5CHOHCOC_6H_5 + Cu(NH_3)_2^{++} + 2OH^- \rightarrow Cu(NH_3)_2^{+} + C_6H_5COCOC_6H_5 + 2H_2O.$$

and, on this basis, two possible structural formulas of the luminescent compound of copper are proposed. Orig. art. has: 5 figures, 3 formulas.

ASSOCIATION: none

SUBMITTED: 100ct64 ENCL: 00 SUB CODE: OC, GP

NO REF SOV: 002 OTHER: 005

Card 3/3

STOLYAR-GURSHTNYN, M.I.

Refrolental fibroplasia in premature infants. Pediatriia no.11:87-90 N '57. (MIRA 11:2)

1. Iz Moskovskoy gorodskoy klinicheskoy bol'nitsy (glavnyy vrach I.A. Lyubchenko, nauchnyy rukovoditel' - prof. M.L.Krasnov)
(INFANTS (PREMATURE)--DISEASES)
(EYE--DISEASES AND DEFECTS)

[redacted], I.A.; [redacted], Yu.

Relative volatility of zirconium and hafnium tetrachlorides above their melting points. Zhur. neorg. khim. 9 no.12:[illegible]-2780 D '64.

(MIRA 18:2)

STOLYARCHIK, L.E.; PIKAYEV, A.K.

After-effects in air-saturated sulfuric acid solutions of ferrous sulfate containing ethyl alcohol and subjected to pulsed radiation of electrons. Dokl. AN SSSR 141 no.5:1147-1150 D '61. (MIRA 14:12)

1. Institut fizicheskoy khimii AN SSSR i Institut yadernykh issledovaniy Pol'skoy Akademii nauk. Predstavleno akademikom V.I. Spitsynym.

(Iron sulfate)
(Radiation)

[illegible], A. A.: "The effect of certain [illegible] as a function of the state of the central nervous system." [illegible] State Medical Inst. [illegible], 1955. (Dissertation for the Degree of Candidate in Medical Sciences.)

Knizhnaya letopis', No. 35, 1956. Moscow.

STOLYARCHUK, A.A.

3560. Biological estimation of cardiac glycosides in experiments on cats. A. A. Stolyarchuk. *Apt. Delo*, 1958, No. 4, 39–42. *Referat. ZA. Biol.*, 1958, Abstr. No. 74822.—Experiments were carried out on cats by a standardised biological method (State Pharmacopoeia VIII). 0.7 ml/kg of "korglykon" was needed to stop the heart under ether anaesthesia and 0.4572 ml/kg under urethane. Therefore the activity of 1 ml. of "korglykon" under ether was equiv. to 1.31 and under urethane to 2.19 cat units. Similar results were obtained with "g-tales" and "adonet". It is emphasised that in the biological estimation of cardiac glycosides using cats it is essential always to use the same anaesthetic for standard and unknown in order to avoid errors in estimating the activity of the prep. (Russian) A. D. Turova-Polyak.

Chair of Pharmacology, Yaroslavl Med. Inst.

→ Chair Pharmacology, Minsk Med. Inst

SALYAYEV, V.N., STOLYARCHUK, A.A., USHAKOV, G.K.

Cholinesterase activity of blood serum in certain pathological processes. Vrach.delo no.9:903-905 S '58 (MIRA 11:10)

1. Kafedra paikhiatrii (zav. - dots. G.K. Ushakov) i kafedra farmakologii (ispolnyayushchiy obyazannosti zav. - kand.med.nauk V.N.Salyayev) Yaroslavskogo meditsinskogo instituta.
(CHOLINESTERASE)
(SERUM)

KORKHOV, S.I.; KADOSHCHUK, T.A.; STOLYARCHUK, A.A.

Clinical significance of the indexes of the cholinesterase activity of the blood serum in tumor patients. Vrach.delo no.11:1153-1156 N '59. (MIRA 13:4)

1. Kafedra fakul'tetskoy khirurgii (zaveduyushchiy - prof. I.M. Grabchenko) i kafedra farmakologii (zaveduyushchiy - dotsent O.V. Tutayev) Vinnitskogo meditsinskogo instituta.
(CHOLINESTERASE) (CANCER)

IL'INA, V.N.; POLETAYEV, A.S.; USHAKOV, G.K.; KHOKHLOV, L.K.; GALKINA, Z.I.; SALYAYEV, V.N.; STOLYARCHUK, A.A.

Clinical aspects and psychopathology of Q fever. Zhur. nevr. i psikh 59 no.3:295-303 '59. (MIRA 12:4)

1. Kafedry psikhiatrii (zav. - dots. G.K. Ushakov), infektsionnykh bolezney (zav. - prof. A.I. Reznikov), farmakologii (ispolnyayushchiy obyazannosti zaveduyushchego - kand. med. nauk V.N. Salyayev) Yaroslavskogo meditsinskogo instituta i Gorodskaya klinicheskaya infektsionnaya bol'nitsa (glavnyy vrach A.S. Poletayev).

(Q FEVER, compl.
ment.-disord. (Rus))
(MENTAL DISORDERS, etiol. & pathogen.
Q fever (Rus))

DEREPA, K. P., kand. med. nauk; STOLYARCHUK, A. A., dotsent

Indices of the activity of cholinesterase in chronic tonsillitis. Vest. otorin. no.1:53-55 '62. (MIRA 15:7)

1. Iz kliniki bolezney ukha, nosa i gorla (zav. - prof. V. P. Yaroslavskiy) i kafedry farmakologii (zav. - prof. V. G. Tutarev) Vinnitskogo meditsinskogo instituta.

(TONSILS—DISEASES) (CHOLINESTERASE)

DEREPA, K.P., kand. med. nauk; STOLYARCHUK, A.A., dotsent

Indications of cholinesterase activity in scleroma. Zhur. ush., nos. i gorl. bol. 23 no.1:59-61 Ja-F '63.
(MIRA 17:2)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. V.P. Yaroslavskiy [deceased]) i kafedry farmakologii (zav. - prof. V.G. Tutayev) Vinnitskogo meditsinskogo instituta.

MANCHENKO, V.F., insh.; RYAZANTS[redacted], Yu.A., inzh.; DROZDOV, [redacted].A., kand.tekhn. nauk, retsenzent; AYZINSHUD, S.Ya., kand. tekhn. nauk, retsenzent; KOLULEKH, V.K., inzh., retsenzent; STOLYARCHUK, I.V., kand. tekhn. nauk; GOLOKHOVIKOV, L.M., kand. tekhn. nauk; KAZONOV, A.G., inzh., red.; CHEREPASHENETS, K.G., inzh., red.; USENKO, L.A., tekhn. red.

[Operation of locomotives] Ekspluatatsiia lokomotivov. Moskva, Transzheldorizdat, 1963. 415 p. (MIRA 16:12)
(Locomotives) (Railroads--Mar[redacted])

STOLYARCHUK, N.K.

Effect of environmental high temperature on conditioned reflex function in white rats. Zhur.vys.nerv.deiat. 3 no.6:932-940 N-D '53 (MLRA 7:5)

1. Kafedra gigieny truda Omskogo meditsinskogo instituta im. M.I.Kalinina.
(REFLEX, CONDITIONED,
*eff. of heat in white rats)
(HEAT, effects,
*on conditioned reflex funct. in white rats)

STOLYARCHUK, N. K., Cand Med Sci -- (diss) "Combined action of carbon monoxide and high temperature of the environment upon the animal organism." Omsk, 1957. 15 pp (Omsk State Med Inst im M. I. Kalinin), 200 copies (KL, 1-58, 122)

USSR/Pharmacology and Toxicology. Toxicology. V

Abs Jour: Ref Zhur-Biol., No 19, 1958, 90012.

Author : Nikiforova, A.A.; Stolyarchuk, N.K.
Inst : Omsk Medical Institute.
Title : Morphological Changes in the Cerebral Cortex Caused By the Action of Carbon Monoxide Under Various Temperature Conditions.

Orig Pub: Tr. Omskogo med. in-ta, 1957, No 21, 200-203.

Abstract: Experiments were carried out on rats exposed for 1½ months to the action of high temperatures (32-35° C) for periods of 4 hours/24 hours (the first group); to poisoning with CO in concentrations of 1.2-2.2 ml/l, at a T° of 18-20° for periods of 30 minutes daily (the second group); and to the combined effect of CO in the same concentration at

Card : 1/3

SMOLENSKIY, B.L.; STOLYARCHUK, R.A.

Semiautomatic milling machines for machining rotating files.
Stan. i instr. 32 no.4:36-38 Ap '61. (MIRA 14:3)
(Milling machines)

STOLYARCHUK, T.A., starshiy dorozhnyy master

We are prepared for winter. Put' i put.khoz. no.12:12-13
D '58. (MIRA 12:1)

1. 2-ya distantsiya puti Kalininskoy dorogi, stantsiya Golitsino.
(Railroads--Cold weather operation) (Railroads--Track)

STOLYARCHUK, V.F., kand. tekhn. nauk

Determining dynamic stresses in ropes of hoisting machinery taking into consideration mechanical characteristics of engines. Izv. vys. ucheb. zav.; mashinostr. no.9:169-179 '58. (MIRA 12:10)

1.L'vovskiy politekhnicheskiy institut.
(Hoisting machinery)

STOLYARCHUK, V.F., kand.tekhn.nauk

Dynamic loading of hoisting wire ropes in certain mines of "Novovolynskugol'" Trust. Izv.vys.uchab.zav.; gor.zhur. no.6:108-114 '59. (MIRA 13:4)

1. L'vovskiy politekhnicheskiy institut. Rekomendovana nauchnym seminarom kafedr.
(Wire rope) (Mine hoisting)

STOLYARCHUK, V.F., kand.tekhn.nauk

Place for setting brakes of displacement and turning mechanisms.
Vest.mash. 40 no.6:30-33 Je '60. (MIRA 13:8)
(Brakes)

STOLYARCHUK, V.F., dotsent

Dynamics of a mir... consisting of three components connected by flexible weighted ... Izv. vys. ucheb. zav.; gor. zhur. 6 no.3:129-137 '63. (MIRA 16:10)

1. L'vovskiy politekhnicheskiy institut. Rekomendovana kafedroy teorii mekhanizmov i mashin pod"yemno-transportnykh.

STOLYARCHUK, V.F.; GOLOVATYY, M.N.

Acceleration dynamics of a mine hoist with a weak rope. Izv. vys. ucheb. zav.; gor. zhur. 6 no.8:111-119 '63. (MIRA 16:10)

1. L'vovskiy politekhnicheskiy institut.

STOLYAR [illegible], [illegible]. [illegible], [illegible]

Determining dynamic forces occurring during the starting of closed circuits. Izv. vys. ucheb. zav.; mashinostr. no.3:74-[illegible] [illegible]. (MIRA [illegible])

1. L'vovskiy politekhnicheskiy institut.

STOLYARCHUK, Vsevolod Filippovich; KOMAROV, M.S., prof., otv. red.; CHILENKO, L., red.

[Dynamics of vertical hoisting] Dinamika vertikal'nogo pod"ema. L'vov, Izd-vo L'vovskogo univ., 1965. 150 p. (MIRA 18:9)

MACHINETS, N.F., inzh.; STOLYARCHUK, V.F., kand. tekhn. nauk, dotsent

Calculating moments of inertia of the flywheels of machines equipped with asynchronous motors. Izv. vys. uchab. zav.; mashinostr. no.9:16-21 '65. (MIRA 18:11)

BARTOSZEWICZ, Ryszard; OSTROVSKIY, Ya.[translator]; STOLYAREK, Ya. [translator]; KOBAZEV, I.A., red.

[Methods of deoxidizing organic combinations] Metody vosstanovleniia organicheskikh soedinenii. Pod red. I.A.Kobazeva. Moskva, Izd-vo inostr. lit-ry, 1960. 406 p. (MIRA 14:11)
(Chemistry, Organic) (Reduction, Chemical)

SINYUKHIN, A.M.; STOLYAREK, Ya.

Changes in the rhythmic variations of bioelectric potentials in the ontogenesis of the corn coleoptile. Dokl. AN SSSR 137 no.3: 725-727 Mr '61. (MIRA 14:2)

1. Moskovskaya sel'skokhozyaystvennaya akademiya im. K.A.Timiryazeva. Predstavleno akademikom A.L.Kursanovym.
(Electrophysiology of plants) (Seedlings)

STOLYARENKO, A.I., ordinator

Two observations of eventration of the small intestine through a rupture in the rectum. Klen.prokt. no.2:169-170 '60. (MIRA 14:11)

(RECTUM—RUPTURE) (HERNIA)

STOLYARENKO, A.I., ordinator

Case of traumatic lesion of the seminal vesicles through the rectum. Klem.prokt. no.2:175-176 '60. (MIRA 14:11)
(SEMINAL VESICLES--WOUNDS AND INJURIES)

AMINEV, A.M.; STOL'ARENKO, A.I.

New method for the treatment of polyposis of the large intestine.
Vop. onk. 6 no. 8:81-82 Ag '60. (MIRA 14:1)
(INTESTINES—TUMORS)

AMINEV, A. M., prof. (Kuybyshev, Samarskaya ul., d. 188-b, pod"yezd 5, kv. 15); STOLYARENKO, A. I.

Surgical treatment of habitual dislocation of the shoulder joint according to F. F. Andreyev's method. Ortop., travm. i protez. no.1:80-82 '62. (MIRA 15:2)

1. Iz kafedry gospital'noy khirurgii (zav. - prof. A. M. Aminev) Kuybyshevskogo meditsinskogo instituta.

(SHOULDER JOINT--DISLOCATION)

[redacted] in programmed instruction. Mat. obor. 48 [redacted]. (MIRA 18:6)

STOLYARENKO, A.M., kapitan 2-go ranga

Ways of increasing the active participation of trainees during the training of a ship's personnel. Mor. sbor. 46 no.8:50-55 Ag '63. (MIRA 16:10)
(Naval education)

[redacted]

Contribution to the Question of the Clinical Aspects of Frostbite

Ortopediya i Travmatologiya, 1956, 5-6, 101-107

STOLYARENKO, D.I., redaktor; KHITROV, P.A., tekhnicheskiy redaktor.

[Work on stoves] Pechnye raboty. Moskva, Gos. transp. shel-dor. izd-vo, 1953. 30 p. (MLRA 7:8)
(Stoves, Earthenware)

GUBIN, N.I., inzhener; STOLYARENKO, D.I., inzhener.

Experience in building apartment houses using large sized brick blocks. Transp. stroi. 6 no.8:7-10 Ag '56. (MLRA 9:10)

(Building, Brick) (Building blocks)

GUBIN, N.I., inzh.; STOLYARENKO, D.I. ; KANEVSKIY, A.G.

Expand large-block construction of apartment houses in all possible ways. Transp.stroi. 7 no.5:3-6 My '57. (MIRA 10:11)
(Apartment houses)

L 7901-66 EWT(m)/EPF(c)/T/EWP(t)/EWP(k)/EWP(b)/EWA(h)/EWA(c) JD/HW/DJ

ACC NR: AP5025000 SOURCE CODE: UR/0286/65/000/016/0062/0062

AUTHORS: Zolotareva, N. N.; Stolyarenko, G. A.; Kurchik, N. N.

ORG: none

TITLE: Lubricating-cooling liquid for cold working of metals, Class 23, No. 173870 [announced by Gorkiy Petrolubricants Factory (Gor'kovskiy neftemaslozavod)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 62

TOPIC TAGS: cold metal working, lubricating liquid, cooling liquid, cold working, metalworking compound, lubricant

ABSTRACT: This Author Certificate describes a lubricating-cooling liquid for cold working of metals, based on an aqueous solution of sodium nitrite. To improve the quality of emulsion and its antiscoring properties, ethylene glycol sodium sulfonylate and disodium monohydrogen phosphate are added to the solution. The solution consists of 10-20 wt% ethylene glycol, 1-5 wt% sodium sulfonylate, and 2-4 wt% Na_2HPO_4.

SUB CODE: 11,07/ SUBM DATE: 21Sep64

nw

Card 1/1 UDC: 621.892.6:621.7.016.3

PAVLENKO, V.M., gornyy inzh.; STOLYARENKO, I.I., gornyy insh.

Complete reorganization of mines in Krasnodon Coal Trust of the Donets Basin Anthracite Combine. Ugol' Ukr. 2 no.10:30-32 O '58. (MIRA 12:1)

1. Yuzhgiproshakht.
(Donets Basin--Coal mines and mining)

68-10-12/22

AUTHORS: Gluzman, L.D. (Cand.Chem.Sc.) and Stolyarenko, L.P. (Engineer).

TITLE: The Influence of Components of a Coal Tar Lacquer on Its Properties (Vliyaniye komponentov kamennougol'nogo laka na yego svoystva)

PERIODICAL: Koks i Khimiya, 1957, Nr 10, pp.47-51 (USSR)

ABSTRACT: The composition of coal tar pitch lacquers and the influence of the properties of the individual components on the properties of the lacquer itself are discussed. Composition of lacquers, Table 1; characteristics of coal tar pitches and asphalt, Table 2; the influence of the content of α-fraction in pitch on the viscosity of lacquer, Table 3; changes in the viscosity of two and three component lacquers on the proportion of solvent, Tables 4 and 5 respectively; characteristics of lacquers containing phenolic and naphthalene oils, Table 6; the dependence of drying time of samples of various lacquers on their viscosity, Table 7. There are 7 tables and 3 references, all Slavic.

ASSOCIATION: UKhIN.

AVAILABLE: Library of Congress.

Card 1/1

L 1962-66 EWT(m)/EPF(c)/EWP( ) M

ACCESSION NR: AP5021785 UR/0068/65/000/008/0046/0049
668.74

AUTHOR: Stolyarenko, L. P.; Gluzman, L. D.

TITLE: Chemistry and technology of acenaphthylene production

SOURCE: Koks i khimiya, no. 8, 1965, 46-49

TOPIC TAGS: acenaphthylene, acenaphthene, dehydrogenation

ABSTRACT: To prepare acenaphthylene of high purity, the authors combined the method of catalytic dehydrogenation of acenaphthene with vacuum techniques. The effect of catalyst quality, reaction temperature, degree of vacuum, raw material quality, and presence of inert additives was investigated both under laboratory conditions and on larger batch-operated units. The industrial catalyst K-5 was found to be the best. The pressure has a marked influence on the dehydrogenation; the process is most complete when the residual pressure is 3-10 mm Hg. Addition of nitrogen as an inert carrier in the molar ratio of 8.4:1 raises the yield of acenaphthylene without improving its quality. Using the K-5 catalyst at a pressure of 8-15 mm Hg, the authors carried out the process in two variants: (a) concentration of acenaphthene -

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L 1962-66

ACCESSION NR: AP5021785

dehydrogenation and (b) dehydrogenation - concentration of acenaphthylene. The latter procedure proved to be preferable. Recrystallization from ethyl or methyl alcohol was used to obtain high-purity acenaphthylene from the less pure product. Orig. art. has: 5 tables.

ASSOCIATION: UkhIN

SUBMITTED: 00 ENCL: 00 SUB CODE: GC

NO REF SOV: 003 OTHER: 009

Card 2/2

OB"YEDKOVA, P.P.; STOLYARENKO, N.N.; FIRER, S.L., dots.

Surgical treatment of osteoarticular tuberculosis in adults.
Sbor. trud. Uz. nauch.-issl. tub. inst. 3:120-123 '57.
(MIRA 14:5)

(BONES—TUBERCULOSIS)

RE[illegible]OVA, R.I[illegible]

[illegible] protein fractions of the blood serum during pneumonia in children with and without anemia. Preliminary report. Sov. med. 28 no.7:68-69 Jl '64. (MIRA 18:8)

1. Kafedra detskikh bolezney (zav. - prof. A.I.Miloserdova) Kuybyshevskogo meditsinskogo instituta.

S/135/63/000/002/013/015
A006/A101

2300

AUTHORS: Maytsev, K. I., Candidate of Technical Sciences, Stolyarenko, V. D., Engineer, Mamontov, L. V., Technician

TITLE: Automatic machine for welding vinylplastics

PERIODICAL: Svarochnoye proizvodstvo, no. 2, 1963, 38

TEXT: Considering the low efficiency and labor consuming operations in welding plastic sheets with the use of rods, a machine was designed at VNIIST, for welding rigid thermoplastic sheets without rods. Thin sheets are overlap-welded without preparation; the edges of sheets over 2 mm thick are beveled at an angle of 65 - 70°. Hot air is supplied to the gap between the sheets at the overlap spot; as the surface of the sections to be welded softens to viscous state, the sheets are compressed and connected. The machine is intended to produce straight seams on 1.5 - 2.0 mm thick sheets. The welding speed depends upon the heat conditions, the sheet thickness, the overlap and the pressure, and may vary between 9.5 to 63.0 m/h. The weld joints show satisfactory strength. Their tightness corresponds to that of the base material. There is 1 figure.
ASSOCIATION: VNIIST

Card 1/1

ZAYTSEV, K.I., kand.tekhn.nauk; STOLYARENKO, V.D., inzh.; MAMONTOV, L.V., tekhn.

Machine for the automatic welding of vinyl plastics. Svar. proizv. no.2:38 F '63. (MIRA 16:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov.
(Plastics—Welding)

STOLYARENKO, Vasiliy Pavlovich; UVAROV, V.D., dots., vidp. red.; GOLOVNYAK, L.P., red.; KHOKHANOVSKAYA, T.I. [Khokhanovs'ka, T.I.], tekhn. red.

[Socialist transformation of agriculture in Volyn' Province, 1944-1950] Sotsialistychne peretvorennia sil's'koho hospodarstva na Volyni, 1944-1955 rr. [Kyiv] Vyd-vo Kyivs'koho derzh. univ., 1958. 108 p. (MIRA 11:9)
(Volyn' Province—Agriculture)

SHCHARENKO V.I.

For the mechanization of loading and unloading operations.
Put' i put. khoz. 8 no.5:42 My '64. (MIRA 17:6)

1. Glavnyy inzh. putevoy mashinnoy stantsii no.128, stantsiya Vapnyarka, Odesskо-Kishinevskoy dorogi.

MANSHILIN, V.V.; MANAKOV, N.Kh.; AGAFONOV, A.V.; VASILENKO, V.P.; MASLOV, I.Ya.; KNYAZEV, V.S.; Prinimali uchastiye: BELOUSOVA, I.V.; BEREZOVSKIY, V.D.; LOL'SHAKOVA, K.A.; YEMEL'YANOV, A.A.; ZEFIROVA, Ye.G.; NEMETS, L.L.; OKINSHEVICH, N.A.; RYABOV, V.K.; STEPANENKO, I.A.; STOLYARENKO, Ye.G.; SOLOTSINSKIY, S.Ye.; KHRAMOV, A.Ye.; CHELOUZOVA, Yo.F.

Engineering development of a new system of catalytic cracking in a fluidized bed. Khim.i tekh.topl.i masel 7 no.6:41-50 Je '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.
(Cracking process)
(Fluidization)

MANSHILIN, V.V.; AGAFONOV, A.V.; MANAKOV, N.Kh.; VASILENKO, V.P.; MASLOV, I.Ya.; KNYAZEV, V.S.; STEPANENKO, I.A.; Prinimali uchastiye: VAYL', Yu.K.; NEMETS, L.L.; BELOUSOVA, I.V.; STOLYARENKO, Ye.G.; YEMEL'YANOV, A.A.; RYABOV, V.M.; BEREZOVSKIY, V.D.; ZEFIROVA, Ye.G.; CHELOGUZOVA, Ye.F.; SOLOTSINSKIY, S.Ye.; BOL'SHAKOVA, K.A.; KHRAMOV, A.Ye.

Catalytic cracking of raw heavy distillates on a microspheric catalyst of Troshkovskiy clay. Khim. i tekh. topl. i masel. 8 no.3:1-6 Mr '63. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.
(Cracking process) (Catalysts)

STOLYAREVICH, M. [Stoliarevych, M.], inzh.

Making ceiling panels at Kiev plants. Bud.mat.i konstr. 2 no.3:6-10 My '60. (MIRA 13:6)
(Kiev—Concrete slabs)

STOLYAREVICH, Mikhail Grigor'yevich; SKIBINSKIY, Mark Abramovich; KOMENDANT, K., red.; ZELENKOVA, Ye., tekhn.red.

[Manufacture of prestressed hollow floor slabs] Izgotovlenie predvaritel'no napriazhennykh pustotnykh panelei perekrytii. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1961. 11 p. (MIRA 14:7)

1. Akademiya stroitel'stva i arkhitektury USSR. Institut vnedreniya peredovogo opyta v stroitel'stvo i tekhnicheskoy informatsii.

(Concrete slabs)

KHOSE LUIS VIDAL' [Jose Luis Vidal]; STOLYARSVSKAYA, R.G.

The MU-2-VV semiautomatic universal setting machine for felt footwear. Biul.tekh.-ekon.inform. no.1:47-48 '59.
(MIRA 12:2)

(Boots and shoes, Felt)

STOLYARENSKIY, L.I., inzhener.

Placing bridge spans under winter conditions. Transp. stroi. 7 no.2: 5-9 F '57. (MLRA 10:4)
(Bridge construction--Cold weather conditions)

STOLYAREVSKIY, N. A.

Engr., Leningrad Polymetallic Combine, -1947-c'8-. "Use of Bus Bar for Conducting Electric Current for Flotation Machines," Tsvet. Met., No. 4, 1947; "Electric Lighting in the Leninogorsk Mines," Gor. Zhur., No. 3, 1948.

USSR/Electricity
Flotation
Bus Bars

Jul/Aug 1947

"Use of Bus Bar for Conducting Electric Current for Flotation Machines," N. A. Stolyarovskiy, Leningrad Polymetallic Combine, 3 pp

"Tsvetnyye Metally" No 4

The electrical circuits at Leningrad Dressing Plant No 3 are of a very radical construction suggested by the Giprotsvetmet. The feeder lines are attached to low-voltage bus bars of substations and lead directly to the various flotation apparatus. For this it is necessary to have a group distribution

24X13

block for the various outlets. Shows diagrams of the circuit recommended by Giprotsvetmet, and the actual circuit in use at the author's factory.

24X13

USSR/Mines
Mining Methods
Illumination

Mar 1948

"Electric Lighting in the Leninogorsk Mines," N. A. Stolyarevskiy, Engr, 1½ pp

"Gornyy Zhur" No 3

Object is to acquaint miners with work done on electric lighting in mines. Includes details on use of single and group junction boxes and other electric fittings.

LC

51274

AUTHOR: Stolyarevskiy, N.A., Engineer. 136-6-16/26

TITLE: Automation of the sets of sub-stations of electro-filters. (Avtomatizatsiya agregatov podstantsii elektro-fil'trov.)

PERIODICAL: Tsvetnyye Metally, 1957, No.6, pp. 72 - 74 (USSR)

ABSTRACT: Supplying automatic voltage control for electric filters brings about a considerable improvement in the cleaning of gases. Experience gained with such equipment during four months was very favourable and, at present, such equipment is being installed in one of the sub-stations of wet electric filters of the Ust'-Kamenogorsk Lead-Zinc Combine and similar automation work has begun for dry electric filters. Automatic, repeated reclosure in the case of voltage drop on the electric filters reduces the idle times during switching-off. The here described model of the unit permits full automation of wet and dry electric filters, so that maintenance personnel can be dispensed with. Manufacture of the mechanical equipment and the electrical installation are sufficiently simple and can be carried out by individual works themselves. The test results are sufficiently encouraging to recommend extensive introduction of the here described model into the non-ferrous metallurgy industry. Fig. 1 is a sketch of the lay-out of the automatic

Card 1/2

Automation of the sets of sub-stations of electro-filters.

regulation of the work of the electric filters; Fig. 2 shows the circuit for automatic regulation of the operating conditions of the electric filter.

There are 2 figures.

ASSOCIATION: Ust'-Kamenogorsk Lead-Zinc Combine. (Ust'-Kamenogorskiy Svintsovo-tsinkovyy Kombinat.)

AVAILABLE: Library of Congress

STOLYAREVSKIY, N.A., inzhener.

Automatic and telemechanical control of industrial substations.
Prom.energ. 12 no.1:3-4 Ja '57. (MLRA 10:2)

(Electric substations) (Automatic control)
(Remote control)

FEYERMARK, M.M., inzhener; YERMAKOV, A.S.; STOLYAREVSKIY, N.A., inzhener; GOL'DENBLAT, B.I., inzhener; GURGENIDZE, D.P., inzhener; KOZLOV, A.P., tekhnik; GORBACHEV, N.I., tekhnik; GRINBERG, B.V., inzhener.

Protection of substation power transformers in industrial plants. Prom.energ. 12 no.10:29-33 O '57. (MIRA 10:10)

1. Khar'kovskoye otdeleniye Gosudarstvennogo Proyektnogo Instituta Tyazhpromelektroproyekt (for Feyermark). 2. Sverdlovskiy podshipnikovyy zavod (for Yermakov). 3. Proyektnyy institut, Odessa (for Gol'denblat). 4. Ust'-Kamenogorskiy svintsovo-tsinkovyy kombinat (for Stolyarevskiy). 5. Tbilisskiy oryadil'no-trikotazhnyy kombinat (for Gurgenidze). 6. Kamvol'nyy kombinat, Minsk (for Grinberg).
(Electric transformers)

STOLYARKVSKIY, N.A. (Ust'-Kamenogorsk)

Automatizing the operation of a sanitary sewage pumping station.
Vod. i san.tekh. no.3:35-36 Mr '59. (MIRA 12:2)
(Sewerage) (Pumping stations--Automation)

STOLYAREVSKIY, N.A.

Automation of the operation of electric filters at the Ust'-Kamenogorsk Lead-Zinc Combine. Prom. energ. 15 no.11:20-24 N '60. (MIRA 14:9)

(Ust'-Kamenogorsk--Zinc industry) (Ust'-Kamenogorsk--Lead industry)
(Automatic control)

STOLYAREVSKIY, N.A.; SERGEYEV, P.V.; TIKHANIN, V.A.

Measurement of leakage currents in zinc electrolysis systems. Prom. energ. 16 no.11:15-19 N '61. (MIRA 14:10)
(Electric currents, Leakage—Measurement)
(Electrometallurgy—Electric equipment)

STOLYAREVSKIY, N.A.

Use of secondary power resources at the Ust'-Kamenogorsk Lead and Zinc Combine. TSvet.met. 35 no.2:23-28 F '62. (MIRA 15:2)

(Ust'-Kamenogorsk--Nonferrous metal industries)
(Heat regenerators)

TIKHANIN, V.A., inzh.; SERGEYEV, P.V., kand. tekhn. nauk;
STOLYAREVSKIY, N.A., inzh.

Conversion coefficients of mercury-rectifier units in the manufacture of zinc. Prom. energ. 18 no.3:5-8 Mr '63. (MIRA 16:6)

(Zinc—Electrometallurgy)
(Electric power distribution)

STROILOVA, O.I.; STOLYARIKHINA, A.V.; STOLYARIKHIN, A.A.

Patterns made epoxy resin. Lit. proizv. no.6:43 Je '61.
(MIRA 14:6)

(Epoxy resins)
(Patternmaking)

TERENT'YEV, V.A.; STOLYAROV, A.A.

Determination of 1,3- and 3,3-diacetoxypropenes from infrared spectra. Zav. lab. 31 no.2:176-177 '65. (MIRA 18:7)

1. Novokuybyshevskiy filial Nauchno-issledovatel'skogo instituta sinteticheskikh spirtov i organicheskikh produktov.

STROILOVA, O.I.; STOLYARIKHINA, A.V.; STOLYARIKHIN, A.A.

Patterns made epoxy resin. Lit. proizv. no.5:43 Je '61.
(MIRA 14:6)

(Epoxy resins)
(Patternmaking)

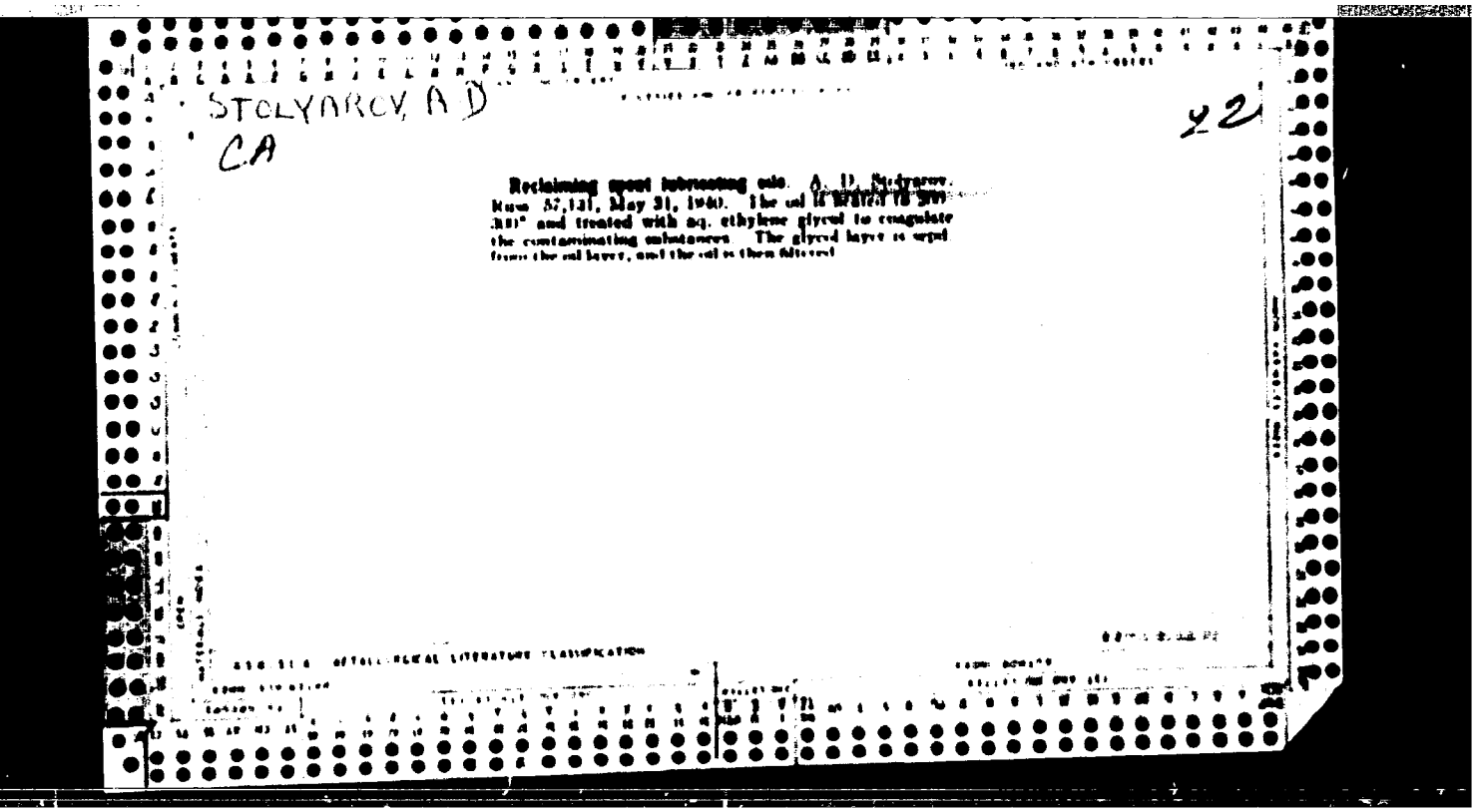
STOLYAROV, A.A.

Pulsation-impact power nut setter. Mash. i neft. obor. no.11: 7-9 '63 (MIRA 17:7)

1. Omskiy filial Gosudarstvennogo nauchno-issledovatel'skogo i proyektnogo instituta neftyanogo mashinostroyeniya.

GUTNIK, M.A.; BORISOV, L.F.; NOVIKOV, I.K.; SPASSKIY, N.N.; OVCHINNIKOV, A.N.; STOLYAROV, A.B.; KLAVIR, A.V.; GALKINA, V.I.; SHALFEYEV, V.I.

Overall mechanization of decorative grinding and polishing operations. Prom. energ. 17 no.9:6-8 S '62. (MIRA 15:8)
(Grinding machines)

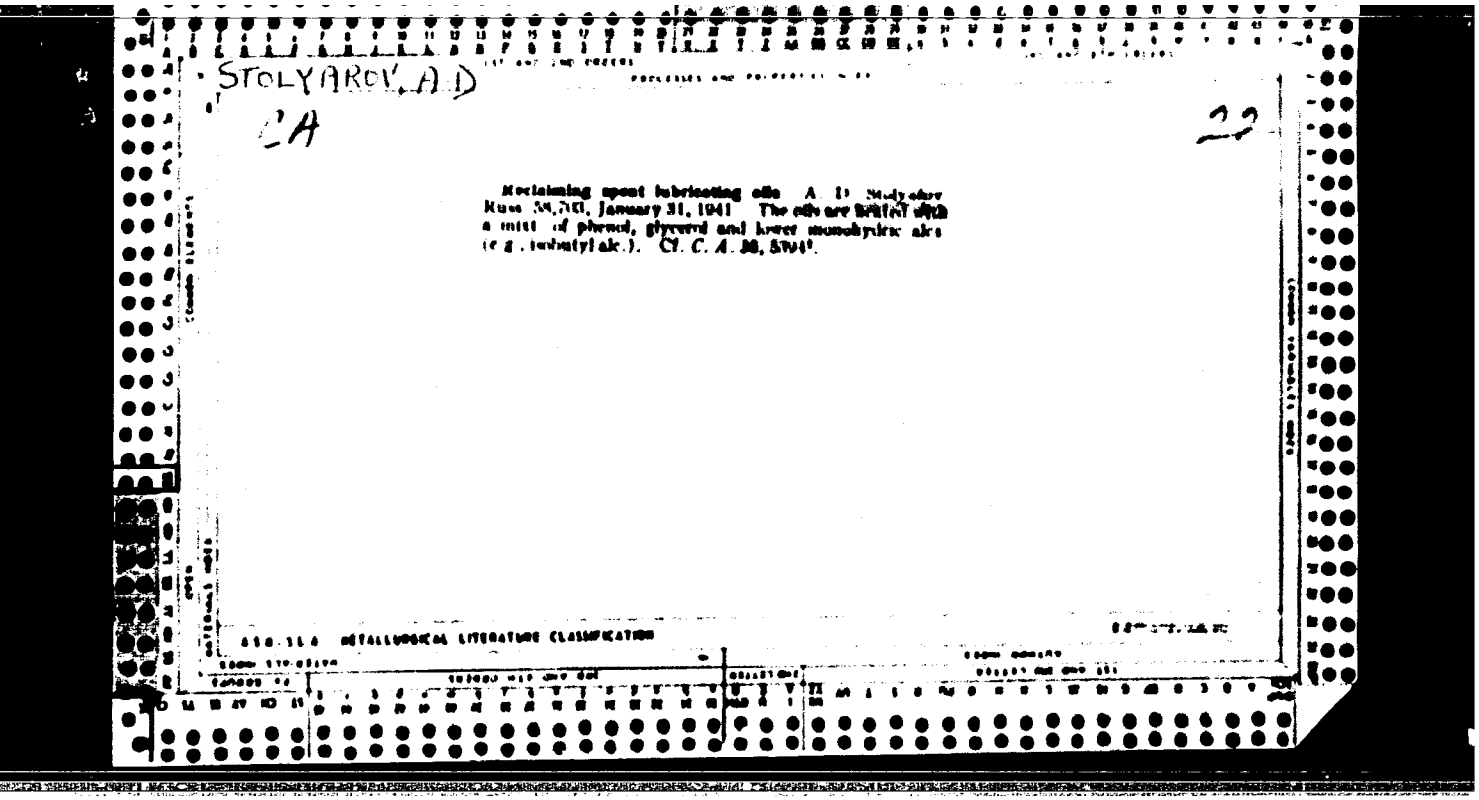


STOLYAROV, A D

CA

42

Reclaiming spent lubricating oils. A. D. Stolyarov. Russ. 57,131, May 31, 1940. The oil is warmed to 90-100° and treated with aq. ethylene glycol to coagulate the contaminating substances. The glycol layer is separated from the oil layer, and the oil is then filtered



STOLYAROV, A D

CA

22

Reclaiming spent lubricating oils. A. I. Stolyarov. Russ. 58,701, January 31, 1941. The oils are purified with a mixt. of phenol, glycerol and lower monohydric alcs. (e.g., isobutyl alc.). Cf. C. A. 36, 5701[illegible].

METALLURGICAL LITERATURE CLASSIFICATION

STOLYAROV, A.D.

AID P - 1131

Subject : USSR/Mining

Card 1/1 Pub. 78 - 9/25

Authors : Geyman, M. A., Stolyarov, A. D. and Vasil'yeva, N. P.

Title : New laboratory apparatus for analysis of core-samples

Periodical : Neft. khoz., v. 32, #11, 33-39, N 1954

Abstract : Three laboratory methods of analysis of water-oil saturation in the core sample are outlined. Extraction apparatuses with vacuum heat insulation and condenser (Dean and Stark, Sohlet, Vurtz and Libich) are briefly outlined. Three drawings, 1 table, 2 charts and 2 Russian references (1950-1953).

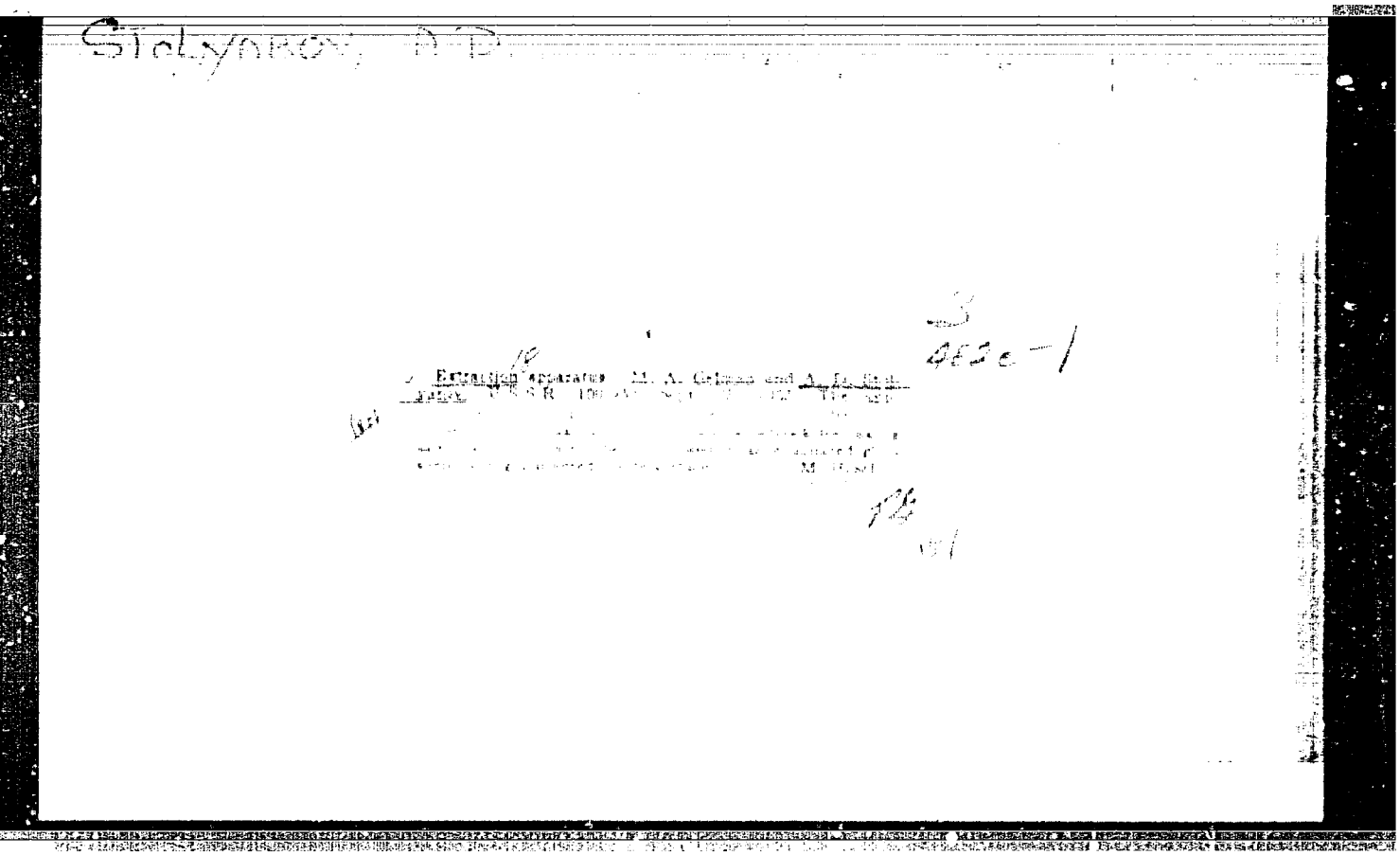
Institution : None

Submitted : No date

STOLYAROV, A. D.

STOLYAROV, A. D. -- "Methods of Determining the Basic Constants of a Petroleum Stratum, and Establishment of the Interconnection among Them." Inst. of Petroleum, Acad Sci USSR. Moscow, 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956



Stolypnov, A. D.

STOLYAROV, A.D.

Effective porosity. Trudy Inst. geol. i razrab. gor. iskop. 2:95-103 '60. (MIRA 14:5)
(Porosity)

STOLYAROV, A.D.; RABIN, N.M.

Improve the equipment of field laboratories. Stroi. truboprov. 10 no.8:38-39 Ag '65. (MIRA 18:11)

1. Trest Nefteprovodmontazh, Ufa.

SOV/142-58-4-29/30

AUTHOR: Stolyarov, A.G.

TITLE: All-Union Session Marking "Radio Day" (Vsesoyuznaya nauchnaya sessiya, posvyashchennaya "Inyu Radio")

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Radiotekhnika, 1958, Nr 4, pp 517-521 (USSR)

ABSTRACT: During the period May 12-17, 1958, an All-Union Scientific Session was held in Moscow, devoted to "Radio Day". It was organized by the Scientific Technical A.S.Popov Association for Radio-Engineering and Electro-Communications. 280 papers were read at the session, 25 in the field of information theory and more than 20 in the field of electronics, dealing with theoretical/experimental research on electronic equipment. V.I.Siforov spoke on "The Transmission Capacity of Single-Ray and Multi-Ray Communication Canals". L.I.Filippov looked at the potential interference resistance of an ideal radio receiver. D.A.Novik spoke on "The Transmission System of Electric Signals

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All-Union Session Marking "Radio Day"

by the Optimal Code of Shannon-Fano." A. Ye.Basharinov and B.S.Fleyshman discussed "The Use of the Successive Analysis Method in Equipment for Determining Weak Signals in Noise", and L.M.Fink examined "The Potential Interference Resistance in a Non-Definite Signal Phase". V.A.Kashirin and G.A.Shustova discussed "The Optimal Parameters of the Tele-measuring System with regard to Interference Resistance". B.S.Fleyshman spoke on the question of creating an optimal code - in the Shannon conception - in the case of a binary symmetrical canal. L.F.Borodin discussed "The Method of Creating Several Codes with a Simple Base". In the field of electronics, P.A.Tarasov spoke on "Broad Band Electron Ray Tubes for Observation and Recording of Electric Impulses and Ultra-High Frequencies" and V.P.Radchenko examined the question of the practical utilization of tubes with a cathode net. G.P.Semenov, V.P.Sazonov, M.M.Sbitneva and A.S.Bondarev examined: "Use of the Radiosonde with a High-Ohm Feed for Examining Electromagnetic fields in resonators and wave guides". V.V.Bakakina spoke on

All-Union Session Marking "Radio Day"

the use of the diffusion method for resonance discharge. M.I.Kuznetsov, V.A.Berbasov and L.P.Bobrova looked at the fluctuation process in an indivisible magnetron, and Yu. Katsman spoke on "The Selection of Oscillatory Energy of an Electronic Current, Modulated According to Density". M.B.Golant discussed a negative clystron with a wide range of electron adjustment. S.I.Bychkov explained the phenomenon of electron displacement and gave an approximate description of the frequency characteristics of the magnetron under conditions of high amplitude oscillations. A.I.Tereshchenko spoke on "The Influence of Various Factors on a Critical Magnetic Magnetron Field with a Grid", and A.S.Tager and V.A.Solntsev discussed the question of diffusing a small high frequency signal in electron currents with a periodically variable electron velocity. V.V. Slutskaya spoke on the results of research into spiral thin film absorbers for LBV. Approximately 20 papers were read in the field of transmitting equipment. These included: Z.I.Model' and N.S.Fuzik who discussed

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All-Union Session Marking "Radio Day"

an approximately equivalent lay-out for a tube generator. A.I.Lebedev-Karmanov spoke on "Modern Television Stations" and V.M.Katushkina and Z.I.Model' discussed "Bridge Methods of Combining the Outputs of Several Generators". S.G.Afanasov and P.M.Bubnov examined the design of triode generators for the decimeter range. V.P.Demeshin spoke on the control of an RC generator with the help of an element, possessing a linear, broken characteristic, and K.N.Burmistrov's paper dealt with questions of temporary instability of quartz resonators. M.N.Merzlyakova, Z.M.Alekseyeva, I.N. Vazhenin and V.N.Detinko examined the question of causes for frequency and amplitude fading in autogenerators with semi-conductor triodes. A.S.Maydanovskiy investigated the work of a semi-conductor triode with a grounded base and influenced by an extra-harmonious force. More than 25 papers were read in the field of radio-engineering, including E.V.Zelyakh on the theoretical basis of the autonomous four poles. S.I.Tetel'baum spoke on compensation for distortions and pre-

All-Union Session Marking "Radio Day"

distortions. G.Sh.Kevanishvili spoke on "The Theory of Non-Linear Oscillations in Radio Engineering". I.G.Akopyan gave the results of research into processes in an autogenerator, influenced by fluctuation interference and synchronized by a small sinusoidal force with a frequency close to the proper frequency of the autogenerator. More than 20 papers were delivered in the field of semi-conductor equipment. These included: A.V.Krasilov, Ye.S.Saltykov and A.B.Polyakov on semi-conductor triodes produced in the USSR and abroad. B.I.Adirovich and A.Yu.Gordonov discussed the calculations for frequency and transition characteristics of an amplifier cascade with semi-conductor triodes according to a lay-out with a common base. B.N.Kononov spoke on change-over processes with symmetrical triggers and with semi-conductor surface triodes. Yu.M.Azyan and Ye.Ya.Senatorov examined the question of the influence of the change-over characteristics on the work of transistor lay-outs. Papers read in the field of antenna equipment included: A.A.Pistol'kors and M.L.

Card 5/7

All-Union Session Marking "Radio Day"

Marshak on reflection and refraction of electro-magnetic waves on the air-ferrite boundary and in a right-angled wave guide, and V.A.Khromov and G.L.Suchkin spoke on "The Electro-Magnetic Radiation in Systems not Conditioned by the Theory of Reciprocity in the Ultra-High Frequency Range". V.A.Kaplun, L.V.Knyazeva and A.A. Pistol'kors examined - helped by the Kirchhoff Method - diffraction in a dielectric or semi-conductor plate. In the field of radio wave propagation, around 15 papers were read. These included: G.V.Bukin on an apparatus for probing the ionosphere; G.Ye.Levitskiy on questions of the ultra-short wave propagation theory over the non-homogenous earth's surface; F.I.Peregudov and B.S.Dudnik both spoke about radiolocation observations of meteors in Tomsk. K.M.Kosikov and V.I.Trunov gave an experimentally tested formula for computing the coefficient of a cross-over modulation, depending on the parameters of the transmitters and on their territorial dispersion. G.M.Bartenev evaluated the mutual dependence between the 11 year cycle of solar activity and the degree of

STEPANOV, I.S.; CHERNOSVITOV, Yu.L., nauchnyy red.; YERSHOV, A.D., glavnyy red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; ZUBAREV, N.N., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; KHRUSHCHOV, N.A., red.; SHMANENKOV, I.V., red.; STOLYAROV, A.G., red.; IVANOVA, A.G., tekhn.red.

[Industrial requirements as to the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.46. [Rubidium and cesium] Rubidii i tseziі. Nauchn.red. IU.L. Chernosvitov. 1960. 33 p. (MIRA 14:2)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Rubidium) (Cesium)

KHRUSHCHOV, N.A.; BUTKEVICH, T.V.; YERSHOV, A.D., glavnyy red.; SHMANENKOV, I.V., zam.glavnogo red.; CHERNOSVITOV, Yu.L., nauchnyy red.; GINZBURG, A.I., red.; ZVYAGIN, L.V., red.; ZUBAREV, N.N., red.; KRUTTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V.; STOLYAROV, A.G., red.; IVANOVA, A.G., tekhn.red.

[Industrial requirements for the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.27. [Molybdenum and rhenium] Molibden i renii. Nauchnyi red. IU.L.Chernosvitov. 1960. 45 p. (MIRA 14:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Molybdenum ores) (Rhenium ores)

ZAYKOVSKIY, F.V., starshiy nauchnyy sotrudnik; SIVOLYAROV, A.G., red.; BYKOVA, V.V., tekhn.red.

[Methods of chemical analysis of mineral raw materials] Metody khimicheskogo analiza mineral'nogo syr'ia. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.6. 1960. 37 p. (MIRA 14:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(Chemistry, Analytical) (Mineralogy, Determinative)

POPOV, I.V., doktor geol.-miner. nauk, otv. red.; STOLYAROV, A.G., red.; SHOKHET, B.S., red.izd-va; POLYAKOVA, T.V., tekhn. red.

[Present-day concept of connate water in rocks] Sovremennoe predstavlenie o sviazannoi vode v porodakh. Moskva, AN SSSR, 1963. 124 p. (MIRA 17:1)

1. Akademiya nauk SSSR. Laboratoriya gidrogeologicheskikh problem.

[illegible], V.S., otv. red.; MOLCHANOV, A.S., red. izd.

[Siberian and Devonian corals in the Arctic part of the U.S.S.R.] Siburiiskie i devonskie korally Arkticheskoi chasti SSSR. Moskva, Izd-vo "Nauka," 1964. 77 p.
(MIRA 17:6)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut geologii i geofiziki. 2. Chlen-korrespondent AN SSSR (for Zhelov).

VALYASHKO, M.G.; BOLIVANOVA, A.I.; ZHEREBTSOVA, I.K.; KOTIKOV, A.I.; VLASOVA, N.K.; NIKOLAYEV, A.V., otv. red.; STEPANOV, A.G., red.

[Geochemistry and genesis of brines of the Irkutsk amphitheater] Geokhimiia i genezis rassolov Irkutskogo amfiteatra. Moskva, Nauka, 1965. 158 p. (MIRA 19:1)

BAKIROV, G.G., otv. red.; SIDOROV, A.G., red.

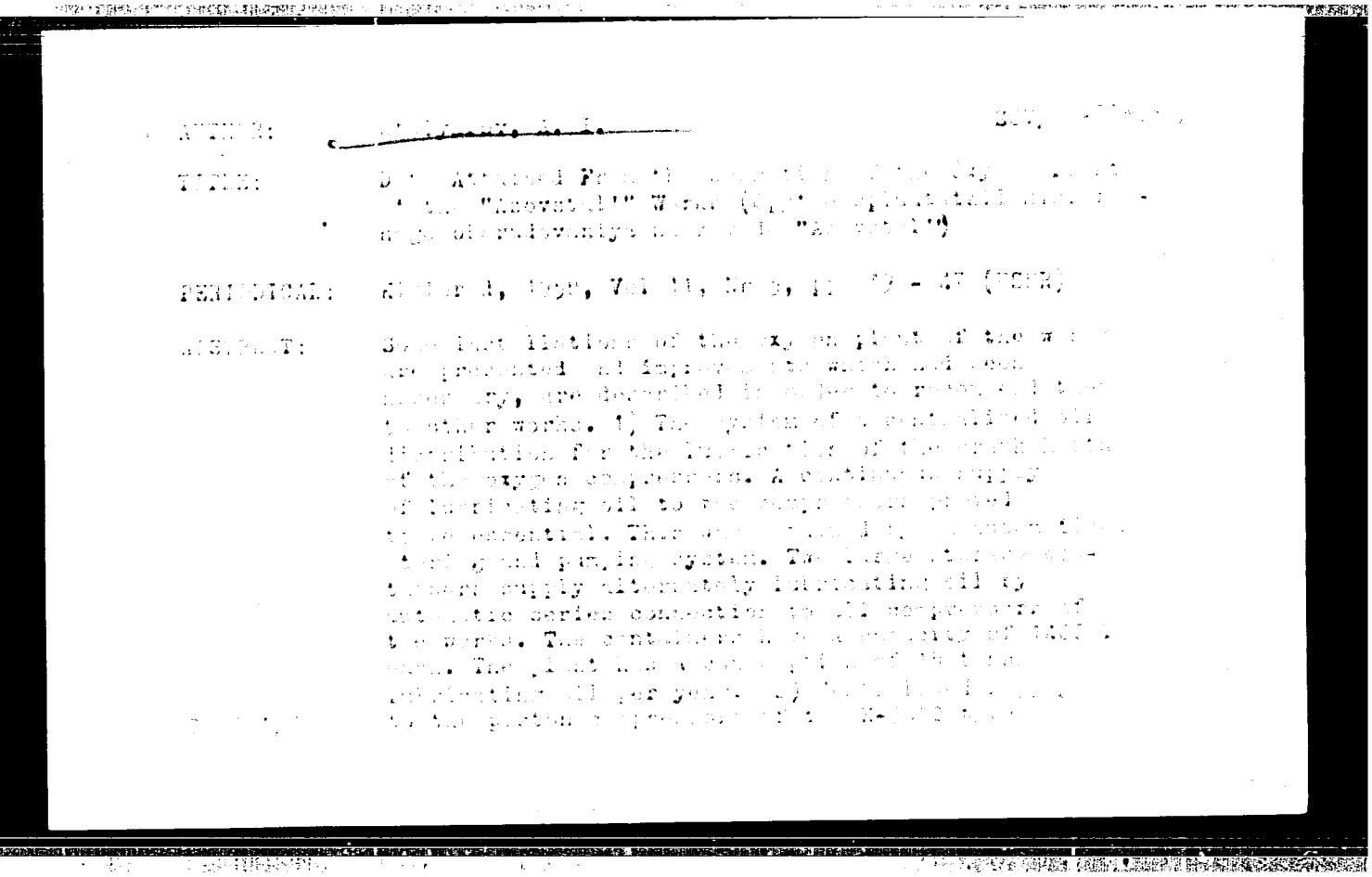
[Oil and gas potentials of Mesozoic sediments in the West Siberian Plain] Neftegazonosnost' mezozoiskikh otlozhenii Zapadno-Sibirskoi nizmennosti. Moskva, Nauka, 1965. 194 p. (MIRA 19:1)

1. Moscow. Institut geologii i razrabotki goryuchikh iskopayemykh.

BERLYAND, S.S.; PLESHKOV, L.Ye.; STOLYAROV, A.I.; YUREVICH, O.S.; ROZANOV, N.O.; KUTSENKO, Y.S., redaktor; BEKKER, O.G., tekhnicheskiy redaktor

[Railroad transportation in metallurgy; a handbook] Zheleznodorozhnyy transport v metallurgii; spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1951. 592 p. [Microfilm] (MLRA 10:1)

(Railroads, Industrial)



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SOV/67-59-4-13/19

AUTHOR: Stolyarov, A. I.

TITLE: Protection of Oxygen Containers From Corrosion

PERIODICAL: Kislorod, 1959, Nr 4, p 46 (USSR)

ABSTRACT: Special enamel- and lacquer coatings are at present the widest spread protection of oxygen containers against corrosion. Perchloro vinyl enamels of the type PKhV and KhSE, as well as the chemically stable lacquers of the KhSL type deserve special mention because of their high corrosion resistance, elasticity, great wear resistance, and long life. A PKhV coating analyzed after four years of service was found to be still perfect. The abovementioned protection agents are therefore recommended for use, notwithstanding their high cost and certain difficulties connected with their application.

Card 1/1

S/185/62/000/004/005/006
D040/D113

AUTHORS: Paptsov, V.A., and Stolyarov, A.I.

TITLE: Experience in the operation of an oxygen plant under tropical conditions

PERIODICAL: Khimicheskoye mashinostroyeniye, no. 4, 1962, 37-39

TEXT: The operational performance of the oxygen plant at the Bhilai [illegible] plant in India is discussed. The oxygen plant consists of 2 KGH-30T (KGK-30T) units, producing dry 99.2-99.5% pure oxygen at 30 cu.m/hr in winter and 30 in summer. An additional nitrogen scrubber had to be used to cool high-pressure air, the four-stage compressor had to be replaced by a five-stage one, 2 decarbonizers had to be used instead of one, and the main heat exchanger head in the fractioning unit had to be changed. The scrubber proved effective and cools water from 40 to 19-20°C in very hot weather. Its design is briefly described and its efficiency illustrated graphically. The quantity of water fed into the scrubber affects the efficiency of the whole plant; this confirms the data

Card 1/3

S/194/62/000/004/005/006
D040/D113

Experience in the operation ...

of the Azerbaijan Institute. The KSK-30T plant proved applicable under tropical conditions, and the HЖK-4 (NZhK-4) liquid oxygen pump proved to be dependable in pumping dry oxygen. Heat insulation ought to be used on air and nitrogen pipelines, and the fractioning, drying and cooling units ought to be placed closer to one another. There are 2 figures and 1 table.

Card 2/2