sufficiently high to meet the standards fixed in the plan that it must be increased in any case. In his opinion the production of automation instruments must be increased to the 3.2-3.4 fold. He believes that this can be put into practice as the construction of factories producing instruments involves relatively low expense. Greatest attention must be paid to an extended development of test and demonstration devices in all fields of economic planning. State planning will have to keep a watchful eye on the development of instrument building in order to guarantee a real coordination of the individual organizations and enterprises.

ASSOCIATION: NII Teplopribor

89005

9.6100

S/119/61/000/001/010/013
B019/B067

AUTHOR: Arutyunov, K. B., Engineer

TITLE: New Developments of NIITeplopribor

PERIODICAL: Priborostroyeniye, 1961, No. 1, pp. 23 - 28

TEXT: The Nauchno-issledovatel'skiy institut teploenergeticheskogo priborostroyeniya (Scientific Research Institute for Heatmeasuring Instrument Construction) continued its work for the completion of the "unified unit system" (AUS). Together with an instrument construction factory of the Moskovskoye (gorodskoye) sovnarkhoz (Moscow (municipal) sovnarkhoz) pick-ups and blocks of the pneumatic AUS were developed and introduced into production. At the factory "Tizpribor" pick-ups of the types ДМПК-4 (DMPK-4) and ДМПК-100 (DMPK-100) with pneumatic power compensation are produced which will be used in pneumatic control units. For the first pick-up a pressure of up to 1 kg/cm^2 can be used if a protective relay of up to 4 kg/cm^2 is employed. The second pick-up can be used for

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New Developments of NIITeplopribor

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B019/B067

pressures up to 100 kg/cm^2. The secondary summator of type 1СП-48А (1SP-48A) operates without electric energy, summing is made by a pneumatic integrator of the type ПИК-1 (PIK-1). The author also discusses a reducing valve of type БПП (BPP) which is designated as supply block. It reduces input pressures of 2.5 - 10 kg/cm^2 to 1 - 1.6 kg/cm^2. This unit is produced in series by a factory of the Kazanskoye sovnarkhoz (Kazan' sovnarkhoz). The pneumatic compensation pick-up of the type ПЖК-1 (PZhK-1) was constructed for fluid density measurements. It warrants a continuous measurement of the fluid densities in the range of from 0.5 - 2.5 g/cm^3 and of static pressures up to 10 kg/cm^2. An electronic unified control system was constructed. The units of this system and the pneumatic AUS can be combined by means of electropneumatic and pneumoelectric converters. The EAUS is designed as follows: the output signals of all instruments are d. c. signals in the range of 0.5 - 5 milliamperes. The instruments are exchangeable and tuned to the pneumatic AUS. This system

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89005

New Developments of NIITeplopribor

S/119/61/000/001/010/013
B019/B067

consists of the electronic mechanical converter Э-2Д (E-2D) and Э-2Е (E-2Ye), of the control station ЗПЭ-43В (3PE-43V) for indicating the quantity to be controlled, the control station ЗСЭ-42В (3SE-42V) for recording the quantity to be controlled, and of the secondary indicator instruments 1ПЭ-43А (1PE-43A) and the secondary recording instruments СЭ-42А (SE-42A) and 2СЭ-42В (2SE-42V), of the programm transmitter ПД-44А (PD-44A) the electronic controller 5РЭ-46А (5RE-46A), the pneumo-electric converters ПЭ-55А (PE-55A), the electropneumatic converter ЭП-56А (EP-56A), and the electropneumatic positioner 1ПЭ-43А (1PE-43A). This system is thoroughly described. The author also discusses a diffusion manometer of the type ДМЭК-f (DMEK-f) and ДМЭК-м (DMEFK-m) with power compensation which supplies d. c. signals. Furthermore, hydrometers of the types ПЖР-5 (PZhR-5) and ПЖР-4 (PZhR-4) which were on show at the Brussels' World Exposition as well as a radioactive level indicator of the type РИУ-2 (RIU-2) are described. This indicator is used in filling crushers. There are 20 figures.

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S/194/62/000/006/014/232
D413/D308

AUTHORS: Arutyunov, K.B., and Svecharnik, D.V.

TITLE: The selection, preliminary processing, storage and transmission of information on the progress of industrial processes

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-1-122 ya (V sb. Kibernetiku - na sluzhbu kommunizmu, v. 1, M.-L., Gosenergoizdat, 1961, 80-94)

TEXT: On the basis of an analogy between the control and regulation in living organisms and those in engineering, the authors indicate ways of increasing the reliability of industrial control and regulation systems, improving the existing instruments, designing new instruments which would imitate the organs of taste and smell; also improving devices for storing and transmitting information. 20 references. [Abstractor's note: Complete translation.]

Card 1/1

ORSHANSKIY, D.L., gl. red. ARUTYUNOV, K.B., red.; VORONOV, A.A., red.; KARANDEYEV, K.B., red.; KARIBSKIY, V.V., red.; KRASIVSKIY, S.P., red.; KULEBAKIN, V.S., red.; LOGINOV, L.I., red.; LUKIN, V.I., red.; MALOV, V.S., red.; PAVLENKO, V.A., red.; PETROV, B.N., red.; RAKOVSKIY, M.Ye., red.; SMAGLY, L.V., red.; SMIRNOV, A.D., red.; SOTSKOV, B.S., red.; STEFANI, Ye.P., red.; TRAPEZNIKOV, V.A., red.; TSAREVSKIY, Ye.N., red.; LEONOVA, Ye.I., tekhn. red.

[EIKA; encyclopedia of measurements, control and automation] EIKA; entsiklopediia izmerenii kontrolia i avtomatizatsii. Moskva, Gosenergoizdat. No.1. 1962. 243 p. (MIRA 16:3)

(Instruments) (Automation) (Mensuration)

ARUTYUNOV, K.B., inzh.

Development of the system of standard transmitters of thermal power parameters in the State Instrument System. Mekh. i avtom. proizv. 17 no.5:21-25 My '63. (MIRA 16:6)

(Transducers)

ARUTYUNOV, K.B.; STUKOLOV, P.M.

Problems in the determination of instruments required by the national economy. Priborostroenie no.5:17-19 My '64.
(MIRA 17:6)

MILLIONSHCHIKOV, M.D., akademik; ARUTYUNOV, K.B.; NESMEYANOV, A.N., akademik; TAL'ROZE, V.L., doktor khim.nauk; PAVLENKO, V.A.; KOTEL'NIKOV, V.A., akademik; PETROV, B.N., akademik; NOVIKOV, I.I.; MANDEL'SHTAM, S.L., doktor fiz.-matem.nauk; VAYNSHTEYN, B.K.; SHUMILOVSKIY, N.N., akademik

Problems in the manufacture of scientific instruments. Vest.AN SSSR 35 no.6:3-20 Je '65. (MIRA 18:8)

1. Glavnyy konstruktor Spetsial'nogo konstruktorskogo byuro analiticheskogo priborostroyeniya (for Pavlenko). 2. Chleny-korrespondenty SSSR (for Novikov, Vaynshteyn). 3. AN Kirgizskoy SSR (for Shumilovskiy).

ARUTYUNOV, K.G.

Laboratory study of indices of ore extraction in drawing under superincumbent rocks. Gor. i ekon. vop. razrab. ugol'. i rud. mest. no.1:5-16 '62. (MIRA 16:7)
(Krivoy Rog Basin--Mining engineering)

ARUTYUNOV, Konstantin Gegamovich; BORDZILOVSKIY, Iosif Iosifovich; PERESUN'KO, Narkiz Rostislavovich; KARUS', A.P., inzhener-mayor, redaktor; KUZ'MIN, I.F., tekhnicheskiy redaktor

[Repair of radio apparatus; a manual for radio engineers] Remont radiotekhnicheskikh sredstv; uchebnoe posobie dlia radiomasterov. Moskva, Voen. izd-vo Ministerstva obor. SSSR, 1956. 469 p. (MLRA 9:10)
(Radio--Repairing)

ARUTYUNOV, K.G., gornyy inzh.

Investigating the cost of manual and mechanized labor in sublevel caving systems. Gor. zhur. no. 1:15-17 Ja '61. (MIRA 14:1)

1. Institut tsvetnykh metallov im. Kalinina, Moskva.
(Mining engineering--Costs)

AGOSHKOV, M.I.; BUD'KO, A.V.; ARUTYUNOV, K.G.; BOGDANOV, G.I.; KRIVENKOV, N.A.; Prinimali uchastiye: ZAMESOV, N.A.; GAGULIN, M.V.; KRASAVIN, G.A.; VORONYUK, A.S.; KOSTAN'YAN, A.Ya., red.izd-va; ASRAF'YEVA, G.A., tekhn. red.; SIMKINA, G.S., tekhn. red.

[Analysis of the development systems of mines in the Krivoy Rog Basin] Analiz sistem razrabotki rudnikov Krivorozhskogo basseina. Moskva, Izd-vo AN SSSR, 1963. 184 p. (MIRA 17:3)

1. Chlen-korrespondent AN SSSR (for Agoshkov).

BUD'KO, A.V.; KRIVENKOV, N.A.; ARUTYUNOV, K.G.; IOFIN, S.I.; DRONOV, N.V.; FOKIN, Yu.N.; CHUGUNOV, L.F.; VERGUS, N.G.; KUTUZOV, B.S.; TEN, N.A.; FILIPPOV, N.I.; SHNAYDER, M.F.

Experiences in using the caving system with end drawing of ore. Gor. zhur. no.8:22-26 Ag '65. (MIRA 18:10)

1. Institut gornogo dela im. A.A. Skochinskogo (for Bud'ko, Krivenkov, Arutyunov). 2. Vsesoyuznyy nauchno-issledovatel'skiy gornometallurgicheskiy institut tsvetnykh metallov (for Iofin, Dronov, Fokin). 3. Tyrnyauzskiy kombinat (for Chugunov, Vergus). 4. Leninogorskiy polimetallicheskiy kombinat (for Kutuzov, Ten, Filippov, Shnayder).

ARUTYUNOV, L.A.

New way of working blanks of DSP laminated wood plastics. Rech. transp. 16 no.3:28-29 Mr '57. (MLRA 10:4)

1. Podtesovskiy sudoremontnyy zavod.
(Laminated plastics) (Ships--Maintenance and repair)

AGABEKOV, N.G.; ARUTYUNOV, L.A.; TSABKEVICH, E.R.

Bucket-type flowmeters. Neft. khoz. 43 no.9:54-58 S '65.
(MIRA 18:10)

ACC NR: AP6035931 (A) SOURCE CODE: UR/0413/66/000/020/0195/0195

INVENTOR: Kiyasbeyli, A. Sh.; Taratuta, R. N.; Narsesov, G. A.; Arutyunov, L. A.; Krems, Ye. F.; Arutyunov, A. A.; Tsabkevich, E. R.; Agabekov, N. G.

ORG: none

TITLE: Dual-action vane pump. Class 59, No. 187530 [announced by the Special Design Bureau "Neftekhimpribor" (Spetsial'noye konstruktorskoye byuro "Neftekhimpribor")]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 195

TOPIC TAGS: pump, fluid pump, vane pump, ROTOR BLADE

ABSTRACT: An Author Certificate has been issued for a dual-action vane pump containing a rotor in which blades are mounted in radial grooves. These slide along the inner surface of the stator, the profile of which is formed by two arcs described from the center of the rotor and having various radii, and between them is located a curved crossover section. To reduce inertia, the crossover section is made in accordance with a curve determined by the equation

$$\rho = \frac{h}{10}\left(2 + 6\frac{\theta}{\beta} - 2\cos\frac{\pi\theta}{\beta} - \frac{3}{\pi}\sin\frac{2\pi\theta}{\beta}\right),$$

Card 1/2 UDC: 621.662.4

ACC NR: AP6035931

where y is the blade-displacement value depending on angle θ, θ is the flow angle (which changes from 0 to β, β is an angle taking in the entire guide curve, and h is the maximal (given) working-blade-displacement value, which is equal to the difference between the radii of the outer and inner arcs of the stator profile. Orig. art. has: 1 figure.

[KT]
[WA-98]

SUB CODE: 13/ SUBM DATE: 21Jun65

Card 2/2

AGABEKOV, N.G.; ARUTYUNOV, L.A.; TSABKEVICH, E.R.

Vane-type meters for petroleum products. Mash. i neft. obor. no.6:28-31 '65. (MIRA 18:7)

1. Spetsial'noye konstruktorskoye byuro zavoda "Neftekhimpribor", Baku.

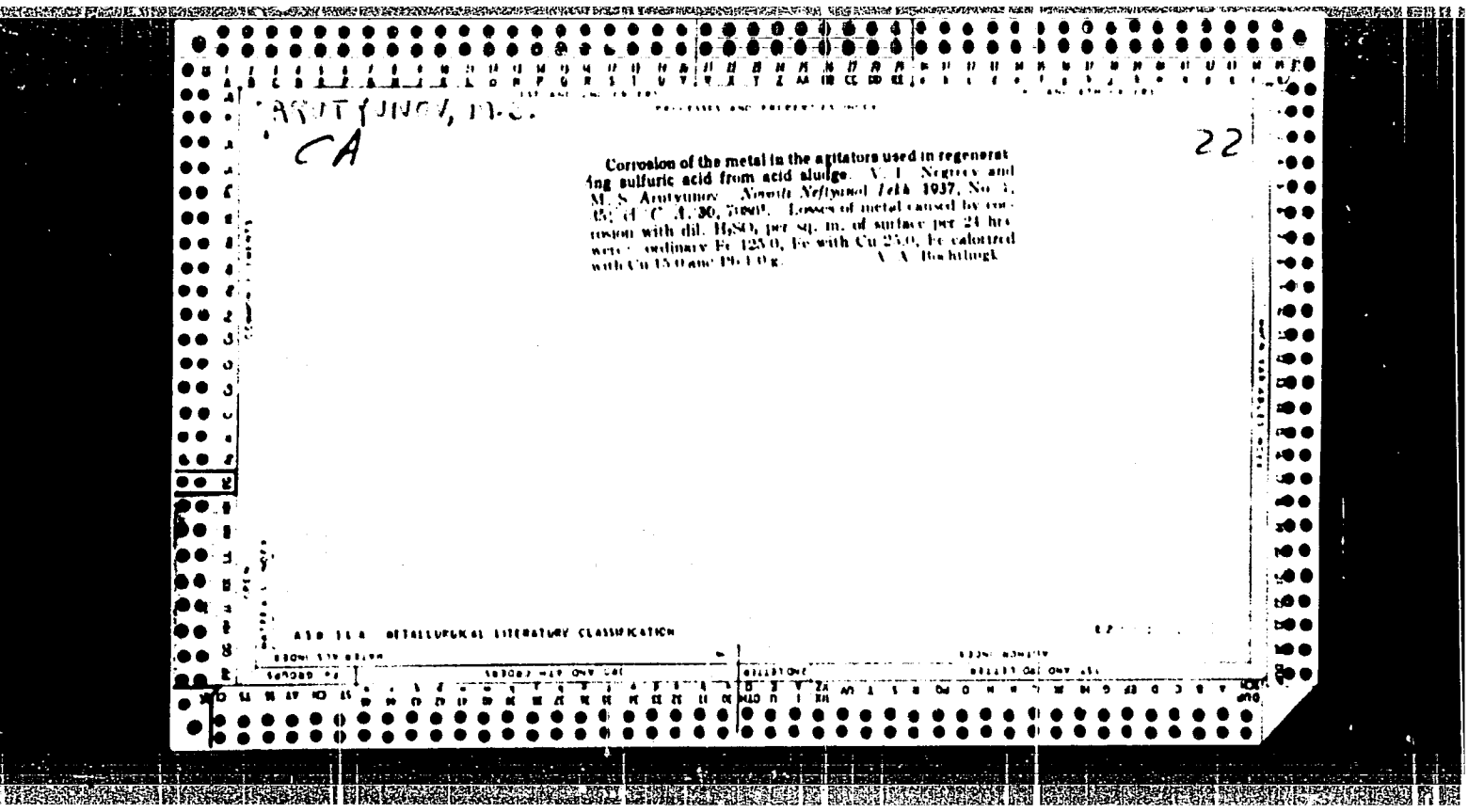
KHIL'CHENKO, Lev Nikolayevich; SMOLENSKIY, Aleksey Nikolayevich; ARUTYUNOV, M.A., inzh., retsenzent; KATORGINA, L.A., inzh., retsenzent; KONDAK, N.M., kand.tekhn.nauk, red.; MAYEVSKIY, V.V., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[Steam turbine control] Regulirovanie parovykh turbin. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 272 p. (MIRA 14:2)

(Steam turbines)

GORON, I.Ye.; ARUTYUNOV, M.G.; MARKOVICH, V.D.; PATRUNOV, V.G.; TRAUBENBERG, V.P.

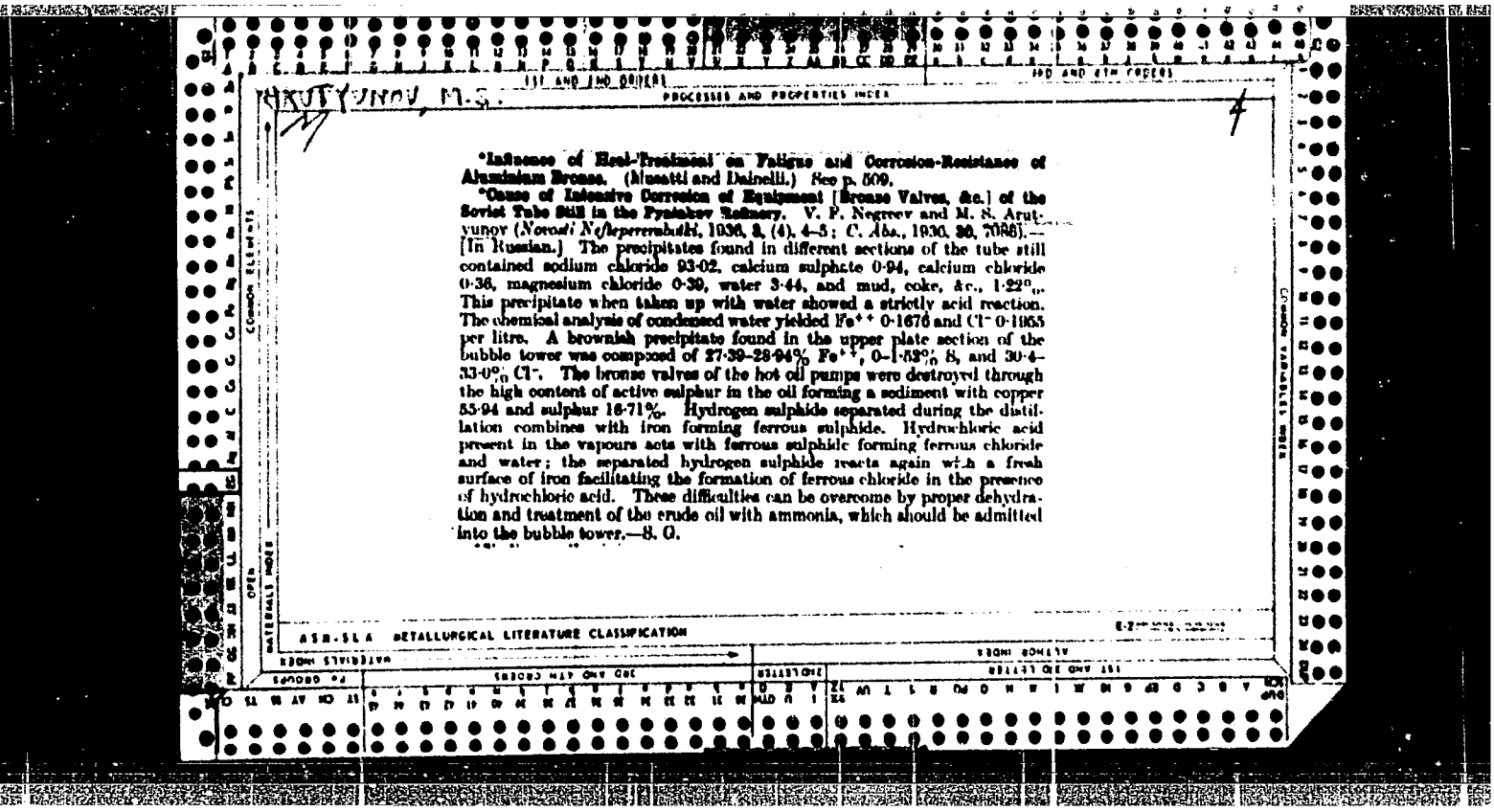
High-speed ferrographic recording of digital data. Elektrosviaz' 16 no.12:26-32 D '62. (MIRA 16:1)
(Telecommunication)
(Printing machinery and supplies)



CA

22

Corrosion of the metal in the agitators used in regenerat ing sulfuric acid from acid sludge. V. I. Negrov and M. S. Arutyunov. *Neftyanoe Khozyaistvo* 1937, No. 1, 85; cf. *C. A.* 30, 7981⁹. Losses of metal caused by corrosion with dil. H_2SO_4 per sq. in. of surface per 24 hrs. were: ordinary Fe 125.0, Fe with Cu 25.0, Fe calorized with Cu 15.0 and Pb 1.0 g. V. A. Bachinski



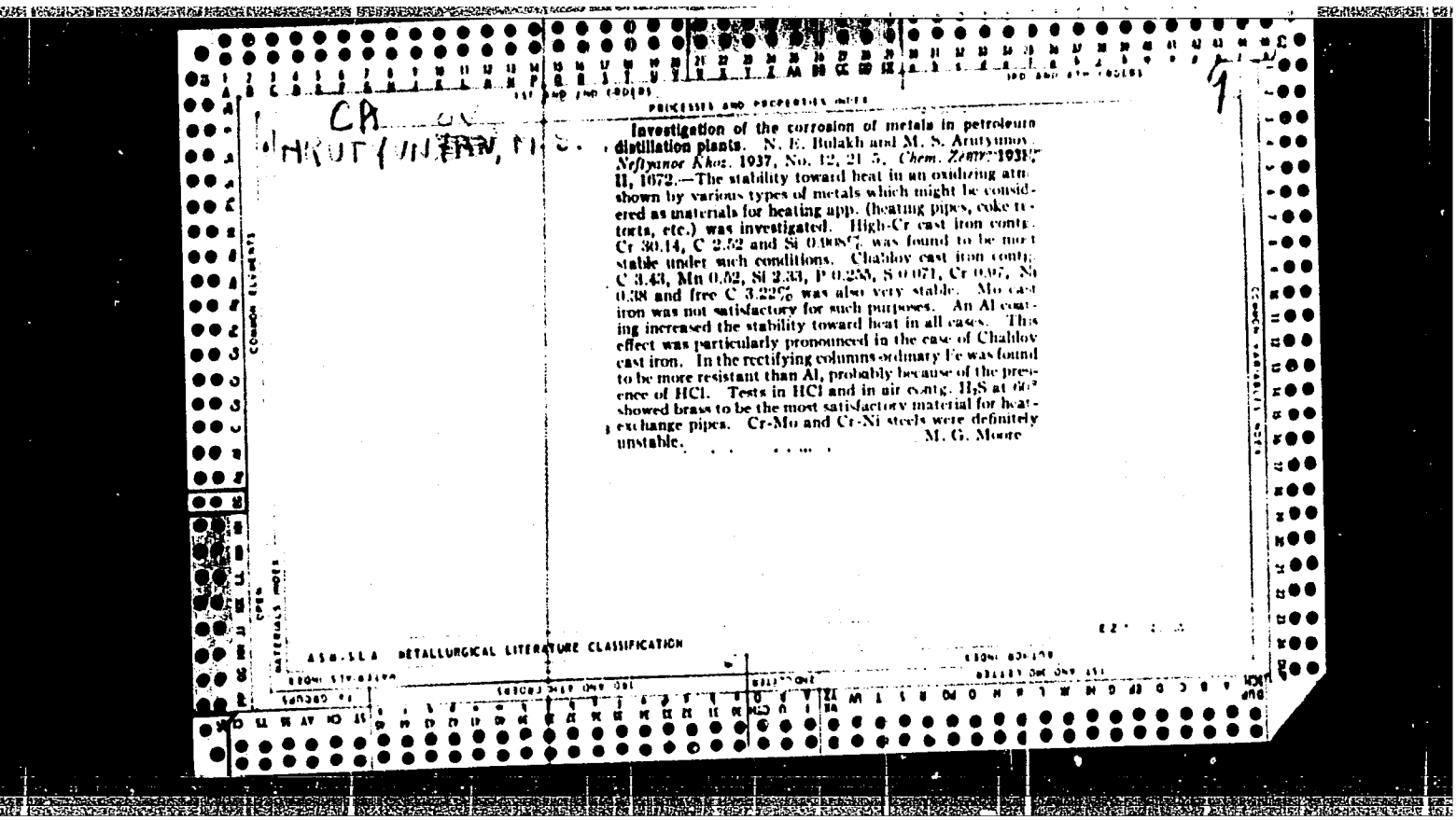
ARUTYUNOV, M.S.

PROCESSES AND PROPERTIES INDEX

***Influence of Heat-Treatment on Fatigue and Corrosion-Resistance of Aluminium Bronze.** (Masetti and Dainelli.) See p. 509.

***Cause of Intensive Corrosion of Equipment [Bronze Valves, &c.] of the Soviet Tube Still in the Pyatakov Refinery.** V. P. Negreev and M. S. Arutyunov (*Neftepererabotka*, 1930, 3, (4), 4–5; *C. Abs.*, 1930, 30, 7086).—[In Russian.] The precipitates found in different sections of the tube still contained sodium chloride 93·02, calcium sulphate 0·94, calcium chloride 0·36, magnesium chloride 0·39, water 3·44, and mud, coke, &c., 1·22%. This precipitate when taken up with water showed a strictly acid reaction. The chemical analysis of condensed water yielded Fe^{++} 0·1676 and Cl^- 0·1055 per litre. A brownish precipitate found in the upper plate section of the bubble tower was composed of 27·39–28·94% Fe^{++}, 0–1·52% S, and 30·4–33·0% Cl^-. The bronze valves of the hot oil pumps were destroyed through the high content of active sulphur in the oil forming a sediment with copper 53·94 and sulphur 16·71%. Hydrogen sulphide separated during the distillation combines with iron forming ferrous sulphide. Hydrochloric acid present in the vapours acts with ferrous sulphide forming ferrous chloride and water; the separated hydrogen sulphide reacts again with a fresh surface of iron facilitating the formation of ferrous chloride in the presence of hydrochloric acid. These difficulties can be overcome by proper dehydration and treatment of the crude oil with ammonia, which should be admitted into the bubble tower.—S. C.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

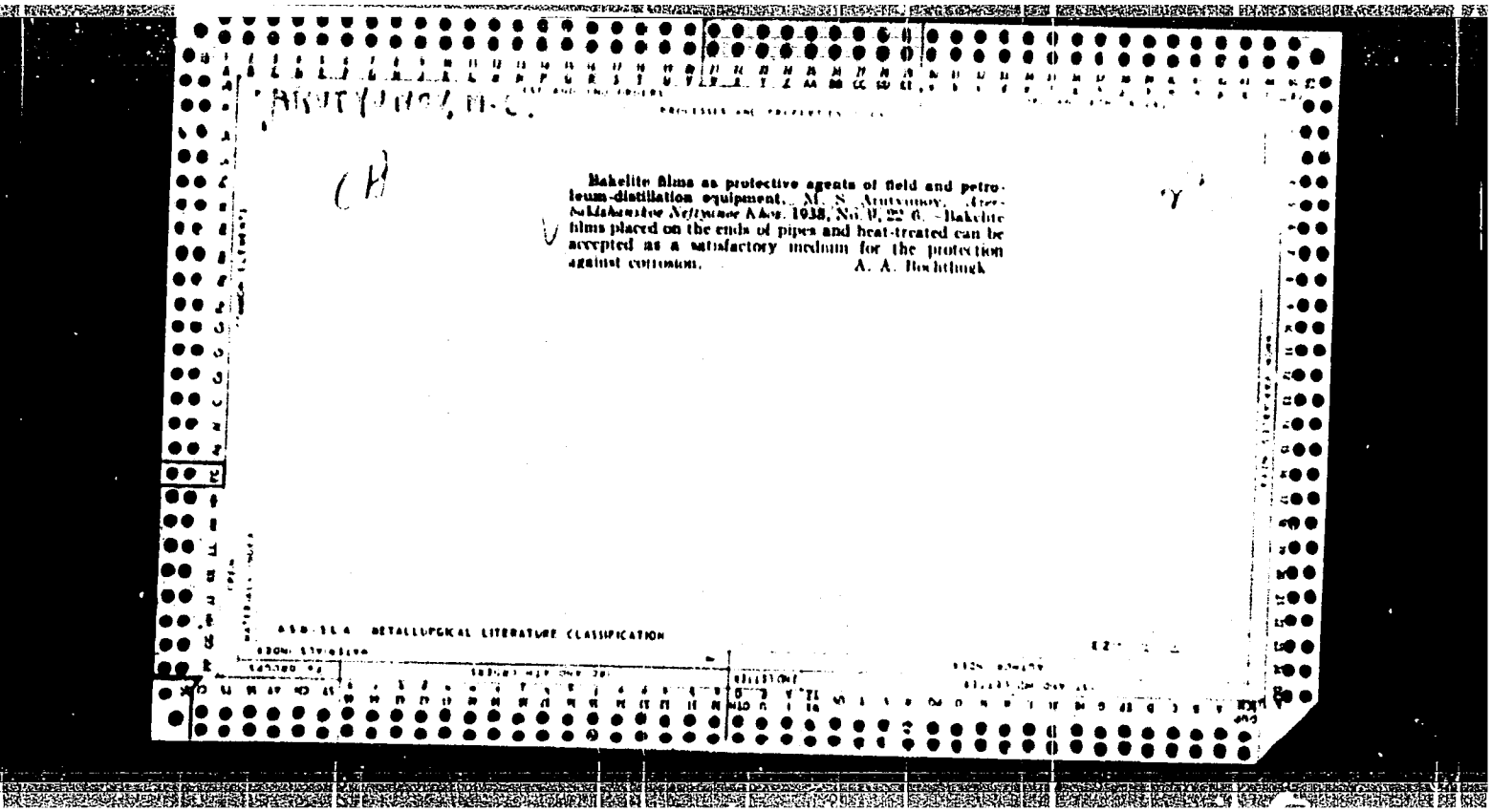


CA

Investigation of the corrosion of metals in petroleum distillation plants. N. E. Bulakh and M. S. Arutyunov. *Neftyanoe Khoz.* 1937, No. 12, 21-5; *Chem. Zentr.* 1938, II, 1072.—The stability toward heat in an oxidizing atm. shown by various types of metals which might be considered as materials for heating app. (heating pipes, coke retorts, etc.) was investigated. High-Cr cast iron contg. Cr 30.14, C 2.52 and Si 0.80% was found to be most stable under such conditions. Chalilov cast iron contg. C 3.43, Mn 0.52, Si 2.33, P 0.258, S 0.071, Cr 0.97, Ni 0.38 and free C 3.22% was also very stable. Mo cast iron was not satisfactory for such purposes. An Al coating increased the stability toward heat in all cases. This effect was particularly pronounced in the case of Chalilov cast iron. In the rectifying columns ordinary Fe was found to be more resistant than Al, probably because of the presence of HCl. Tests in HCl and in air contg. H_2S at 60° showed brass to be the most satisfactory material for heat-exchange pipes. Cr-Mo and Cr-Ni steels were definitely unstable.

M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Bakelite films as protective agents of field and petroleum-distillation equipment. M. S. Aratovsky. *Azerbaidzhanskoe Neftyanoe Khoz.* 1938, No. 9, 22–6. Bakelite films placed on the ends of pipes and heat-treated can be accepted as a satisfactory medium for the protection against corrosion. A. A. Bochtlingk

A58-554 METALLURGICAL LITERATURE CLASSIFICATION

ARUTYUNOV, M.S.

Using plywood pipes for petroleum pipelines. Azerb.neft.khoz. 35 no.8:43-44 Ag '56. (MLRA 9:10)

(Petroleum--Pipelines)

ARUTYUNOV, M.S.

Effect of hydrogen sulfide on the corrosion of steel in formation waters. Izv. AN Azerb. SSR. Ser. fiz.tekh. i khim nauk. no.4:109-116 '58. (MIRA 11:11)
(Steel—Corrosion) (Hydrogen sulfide) (Electrolytic corrosion)

ARUTIUNOV, M.S.; ADAMYAN, Sh.A.

Investigating the operation of veneer pipes in oil fields.
Neftepром. delo no.7:26-29 '64. (MIRA 17:8)

ARUTYUNOV ...

p 3

23(4) 23 (5)

SOV/77-4-2-15/18

AUTHOR: Lyalikov, K.S.

TITLE: Successes of Soviet Electrophotography (Uspekhi sovetskoy elektrofotografii) A Scientific and Technical Conference on Questions of Electrography (Nauchno-tekhnicheskaya konferentsiya po voprosam elektrografii)

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1959, Vol 4, Nr 2, pp 149-152 (USSR)

ABSTRACT: This is an account of a scientific and technical conference on electrography, the first to be held in the Soviet Union and evidently in the world. It was organized in Vil'nyus on December 16-19, 1958 by the Soviet narodnogo khozyaystva Litovskoy SSR (Council for National Economy of the Lithuanian SSR), the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta ministrov Litovskoy SSR (State Scientific and Technical Committee of the Council of Ministers of the Lithuanian SSR) and the Nauchno-issledovatel'skiy institut elektrografii (Scientific Research Institute of Electrography). The conference, attended by over 300 scientific workers, was opened by the Deputy Chairman of the Council for National Economy of the Lithuanian SSR P.A. Kul'vets, after which the director of the Institute for Electrography, I.I.Zhilevich, reviewed the state and prospects for development of electrography in the USSR. He stated that research in this field should be carried out along the following lines: a) a search for new photo-active materials with high dark resitance; b) physical research into the internal photoeffect; c) development of photosemiconductor layers; d) development of the theory of the electrophotographic process. K.S. Lyalikov (speaking also for O.G. Popova) gave a report in which he suggested determining the light sensitivity of electrophotographic layers in GOST units. N.Z. Plavina (speaking also for I.I.Zhilevich, L.I.Kyun'ko, M.M.Karkevich, P.I. Kalinauskens and O.M. Suveyzdis) reported on some research on the sensitization of a semiconductor in electrophotographic layers. V.M. Fridkin gave a report on highly sensitive electrophotographic layers and an electrophotocopying device, and reviewed the formation process of the latent electrophotographic image on the basis of the zonal theory. He also described the design of an electrosensitometer for determining sensitivity by the relaxation period of a charge on the surface of the layer, and the circuit of an electrophotographic copying device. Anfilov finished describing the latter and then spoke on the mechanics and kinetics of the development of the latent electrophotographic image in liquid developers.

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SOV/77-4-2-15/18

Successes of Soviet Electrophotography: A Scientific and Technical Conference on Questions of Electrography

K.M. Vinogradov described some of the features of the cascade and liquid methods of electrophotographic development. Yu.Ye. Karpeshko devoted his report to the criterion of light sensitivity of the elctrophotographic process. After the reports, a discussion took place on methods of determining the light sensitivity of electrophotographic layers. A.N. Chertyshev spoke on the prospects of developing polygraphic processes using electric and magnetic forces. O.V. Gromov (speaking also for I.I. Zhilevich, A.A. Sukhiy, V.A. Gordeyeva, A.S. Pauzha and Yu. I. Kevalaytis) reported on the development of elctrophotographic reproducing equipment. A.S. Pauzha (speaking also for I.I. Zhilevich, A.S. Borisovich, N.M. Sal'vidiks and M.I.Rautkauskas) reported on the use of electrographic methods in recording oscillographs and other recording instruments. V.F. Yurchenko (speaking also for L.N.Balin) spoke on the possibility of electrophotographically recording images from electron-beam tubes. L.G. Korol' (speaking also for M.M. Markevich, T.I. Kozlovskaya, B.I. Kalinauskene, M.K. Kaynens, I.I. Zhilevich and E.A. Montrimas) gave a detailed description of laboratory and machine methods of producing photosemiconductor papers (zinc oxide was used). A.A. Sukhiy (speaking also for I.I. Zhilevich, O.V. Gromov, V.A. Gordeyev, K.V. Fedotov and T.N. Ger) described a laboratory and industrial machine for producing photosemiconductor papers. T.A. Shishkina (speaking also for Ya.A. Shkunin) reported on a method of examining electrophotographic materials using an a/c bridge. S.I. Khotyanovich (speaking also for A.I. Sikens and I.S. Shileykens) spoke on developing materials for electrophotography and ferromagnitography, including developers giving a "reverse" image. B.I. Tikhonov reviewed methods of measuring the electrostatic potentials of electrophotographic layers, stressing that the oscillating electrode should not be placed above a layer with varying potential as this causes self-discharge. L.V. Krukovskis (speaking also for R.S.Zorevcy, A.I.Osipov and Ye. S. Kheyfets) spoke on the practice of producing velveteen papers in an electrostatic field, and showed samples produced by the Grigishskaya paper factory. Ye.L. Nemirovskiy then gave a historical review of the development of electrographic methods in which he paid tribute to the work of the Scientific Research Institute of Electrography in Vil'nyus and the Institut poligraficheskogo mashinostroyeniya (Moskva)-(Polygraphic Machine-Building Institute (Moscow)). Debates were then held

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on methods of measuring the potential of charged electrophotographic layers; the vibration pick-up most-used was shown in B.I. Tikhonov's report to be not always accurate. S.G.Granishin stated that the bad influence of the oscillating electrode can be eliminated if the electrode probe above its surface is fixed and the pick-up is connected to it by a shielded cable. In the debate on Ye.L. Nemirovskiy's report it was stated that the research of Academicians A.N. Terenin and Ye.K. Putseyko should be considered as the basis of all work on electrophotographic papers with ZnO, as they were the first to show the possibility of optical sensitization of the internal photoeffect in ZnO. N.M.Gol'vidis then gave a report on the depositing of charges by a corona discharge. A.I. Kaminskas and A.P. Yanulis reviewed some of the results of the use of electrographic methods in radiography. L.I. Nyun'ko (speaking also for I.I. Zhilevich, I.Z. Plavin, Yu.K. Vishchakas and Yu.A.Zibuts) reported on relaxation processes in semiconductor layers, using a vibration electrometer. Yu.K.Vishakas gave a report on research on some physical properties of the polycrystalline layers of selenious cadmium. N.P. Mikalkyavichyus spoke on some of the photoelectric properties of Sb_2S_3 and Sb_2Se_3: the absorption maximum of the latter is about 900 mμ. S.M. Nerman reported on methods of obtaining selenium light-sensitive layers, including sublimation and thermal treatment; it was also found that the sensitivity of the layers increased after storage for 1.5 to 2 months at room temperature. P.M. Podvigalkin (speaking also for S.G.Grenishin) spoke on research into the electrical properties of electrophotographic layers of amorphous selenium and powdered zinc oxide. N.K. Shiktorov (speaking also for A.S. Taurnytis) discussed the production of selenium layers and some of their properties. Finally the following reports on ferromagnetography were delivered; 1) B.Ya. Kaznacheyev, V.M.Zhogina, "Electrodeposition of Magneto-hard Alloys with Given Magnetic Characteristics" 2) M.T.Arutyunov, "Visualization of Magnetic Oscillograms by the Ferrographic Method" 3) V.T.Patrunov, "Ferrographic Recording of Facsimile Images" 4) I.I.Zhilevich, I.I. Gikis, B. Ye. Buchek, I.I. Kaynise, A.K.Kirhis, "Mock Experiments in Non-Pressure Ferromagnetic Printing". There was also an exhibition showing the work of the Electrographic Institute. The most important conclusion of the conference was that a solid approach had been made to the possibility of wide technical use of the methods of electrography. It was considered that although work in this field actually started only in 1955-56 it has covered as much ground as the USA in 10 years. While admitting that it was easier to reproduce results already achieved than to be the first to arrive at them, the conference observed that the Americans took good care that no important information appeared in the literature available.

Card 10/10

ARUTYUNOV, Nikolay Bagratovich; GORELIK, Iosif Grigor'yevich; GOKHMAN, Yelena Vladimirovna; SHUKHGAL'TER, L.Ya., redaktor; PINEGIN, I.I., redaktor izdatel'stva; KVENSON, I.M., tekhnicheskiy redaktor

[Ferrous metallurgy of capitalist countries] Chernaia metallurgiia kapitalisticheskikh stran. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii. Pt.1. [Technical and economic survey] Tekhniko-ekonomicheskii obzor. 1956. 632 p. (MLRA 10:2)

1. Moscow. TSentral'nyy institut informatsii chernoy metallurgii. (Iron industry) (Steel industry)

ARUTYUNOV, N.B.

The manufacture and use of iron coke in foreign metallurgical plants (from foreign periodicals). Stal' 16 no.3:278-284 Mr '56. (Coke) (MLRA 9:7)

ARUTYUNOV, N.B.

New-model charging machine for blast furnaces. (From foreign journals). Stal' 16 no.5:473-475 My '56. (MLRA 9:8)
(Sweden--Blast furnaces)

ROMANENKO, Aleksey Gavrilovich; SIDOROV, V.N., inzhener, redaktor izdatel'stva; ARUTYUNOV, N.B., inzhener, redaktor; VAYNSHTEYN, Ye.B., tekhnicheskiy redaktor

[Casting pig iron and the removal of slag from blast furnaces] Razlivka chuguna i uborka domennogo shlaka. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 248 p. (MLRA 10:7)
(Blast furnaces)

ABRAMOV, V.S., kandidat tekhnicheskikh nauk; LEONIDOV, N.K., inzhener; ARUTYUNOV, N.B., inzhener; KRASAVTSEV, N.I., kandidat tekhnicheskikh nauk; GOKHMAN, Ye.V., kandidat ekonomicheskikh nauk; YABLONSKAYA, L.V., redaktor izdatel'stva; ATTOPOVICH, M.K., tekhnicheskiy redaktor

[Ferrous metallurgy of capitalist countries] Chernaia metallurgiia kapitalisticheskikh stran. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii. Pt. 2. [Preparation of ore for smelters and blast furnaces] Podgotovka rud k plavke i domennoye proizvodstvo. 1957. 493 p. (MLRA 10:4)

1. Russia (1923- U.S.S.R.) Ministerstvo chernoy metallurgiy. Tekhnicheskoye upravleniye. TSentral'nyy institut informatsii. (Blast furnaces) (Smelting)

AKUTYUNOV, N.B., referent.

Injection of lime through the blast furnace tuyeres. Biul. TSNIICHM no.21:53-54 '57. (MIRA 11:5)
(Blast furnaces)

ARUTYUNOV, N.B., referent.

Installation used for producing iron balls in tubular furnaces.
Biul. TSNIICHM no.5:57 '58. (MIRA 11:5)
(Iron metallurgy)

LISICHKIN, S.M., doktor ekonom.nauk, glavnyy red.; PROSKURYAKOV, A.V., kand.tekhn.nauk, red.; ARUTYUNOV, N.B., red.; TOMASHPOL'SKIY, L.M., red.; POPOV, I.V., kand.ekonom.nauk, red.; CHUTKERASHVILI, Ye.V., kand.ekonom.nauk, red.; DENISOVA, L.L., red.; DOBRITSYNA, R.I., tekhn.red.

[Belgium; brief economic-statistical survey] Bel'giia; kratkii ekonomiko-statisticheskii obzor. Moskva, 1959. 125 p.
(MIRA 12:11)

1. Akademiya nauk SSSR. Institut nauchnoy informatsii. 2. Vsesoyuznyy tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (TsNII Chermet) (for Arutyunov).
(Belgium--Economic conditions)

LEONIDOV, Nikolay Konstantinovich; ARUTYUNOV, N.B., red.; VAGIN, A.A., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Improved construction of blast furnaces] Usovershenstvovanie konstruktsii domennykh pechei. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 57 p. (MIRA 14:3)

(Blast furnaces--Design and construction)

ARUTYUNOV, N.B.; LEONIDOV, N.K.; GOL'DIN, Ya.A., glav. red.; POLOTSK, S.M., red.; MIKHAYLOVA, V.V., tekhn. red.

[Technological progress in ferrous metallurgy; blast furnace practice] Tekhnicheskiĭ progress v chernoi metallurgii SSSR; domennoe proizvodstvo. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 480 p. (MIRA 14:8)

1. Direktor TSentral'nogo instituta informatsii chernoy metallurgii (for Arutyunov). 2. TSentral'nyy institut informatsii chernoy metallurgii i Gosudarstvennyy institut po proyektirovaniyu metallurgicheskikh zavodov (for Leonidov)
(Blast furnaces)

ARUTYUNOV, Nikolay Bagratovich; RYASNOY, Aleksey Alekseyevich; GORELIK, I.G.[deceased], red.; AVRUTSKAYA, R.F., tekhn. red.

[Ferrous metallurgy in Canada] Chernaia metallurgiia Kanady. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 170 p. (MIRA 15:1)
(Canada—Steel—Metallurgy)

ARUTYUNOV, N.B., inzh., red.; VOSKOBOYNIKOV, V.G., doktor tekhn. nauk, red.; GOTLIB, A.D., prof., doktor tekhn.nauk, red.; GUSOVSKIY, A.A., inzh., red.; KRASAVTSEV, N.I., kand. tekhn. nauk, red.; NEKRASOV, Z.I., akademik, red.; OSTROUKHOV, M.Ya., kand. tekhn. nauk, red.; POKHVISNEV, A.N., prof., doktor tekhn.nauk, red.; RAMM, A.N., prof., doktor tekhn. nauk, red.; TSYLEV, L.M., prof., doktor tekhn. nauk, red.; POZDNYAKOV, G.L., red. izd-va; ISLENT'YEVA, P.G., tekhn. red.

[Blast furnace process according to most recent developments; on the 100th. anniversary of Academician M.A.Pavlov's birth] Domennyi protsess po noveishim issledovaniiam; k 100-letiiu so dnia rozhdeniia akad. M.A.Pavlova. Moskva, Metallurgizdat, 1963. 325 p. (MIRA 16:8)

1. AN Ukr.SSR (for Nekrasov).
(Blast furnaces)
(Pavlov, Mikhail Aleksandrovich, 1863-1958)

ARUTYUNOV, N.B.

Improving the organization of science-information work in our country and the tasks before the All-Union Institute of Scientific and Technological Information. NTI no.2:3-6 '63. (MIRA 16:11)

L 13255-65 EWT(d)/EWT(m)/BXT/EED-2/EWP(1) Po-4/Pq-4/Pg-4/Pk-4 IJP(c)/AFMD(p)/AEDC(b)/ASD(a)-5/AFETR/ESD(dp)/RAEM(1)/ESD(c)/ESD(t) TK/BB/MJW/JD/GG/JT/JXT(BF)

ACCESSION NR: AP4048650 S/0315/64/000/006/0006/0012

AUTHOR: Arutyunov, N. B.

TITLE: Measures to further perfect the system of scientific and technical information in the Soviet Union

SOURCE: Nauchno-tekhnicheskaya informatsiya, no. 6, 1964, 6-12

TOPIC TAGS: information retrieval, government organization, scientific information

ABSTRACT: On April 10, 1964 in Moscow, there was a Conference of workers of the State Committee of the Council of Ministers of the union republics for the coordination of scientific research activities, as well as of other ministries and departments of the SSSR and of information-dissemination organs on the Union and Republic level. This conference was organized by the State Committee for the Coordination of Scientific Research Work in the USSR. Among the reports heard at this conference on the question of the fulfillment of the Government's decree of May 11, 1962 ("On Measures to Improve the Organization of Scientific Technical Information in the Nation") was that of the present author. His remarks, which were quite extensive, are summarized below. He first reviews the critical remarks of V. S. Malov, who addressed the conference before him, and finds himself in

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general agreement. His tone, however, is somewhat more optimistic in noting certain progress, since the issuance of the Decree, notably in the area of publishing, cadre training and retraining, the work of Bureaus of Technical Information (BTI) at the enterprise level, and the automation of information-support activities. The speaker devotes some time to what he calls the organization of information-reference activities, discussing some of the work that has been done in the United States in the field of information acquisition, storage and retrieval. This aspect of storage and retrieval, rather than the aspect of publishing, represents the kernel of the entire problem. The requirements of such a service are listed and analyzed in detail. There is some discussion of what the speaker calls the "theory of scientific information". Delays in the transmittal of information, for reference processing and publication, to the proper branch information institutes are noted in the case of a number of ministries and directorates (notably, in the area of land transport, the civil air fleet, and others). Card system requirements are reviewed and, again, delays in the issuance of information in card form are noted. The speaker discusses at great length the role of scientific and technical library facilities in the overall scientific and technical information system, taking up such questions as instrumentation (and related operational costs), retrieval, reproduction, microfilming, and many others. In the course of this discussion, he mentions that there are approximately 40,000 such libraries in

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the Soviet Union and only 4,000 BTI. Some attention is also directed at the fundamental principles underlying the organization of scientific information in foreign countries, primarily the USA and the nations of the European Common Market. The organization of reference-information work for the support of research institutes and planning and design bureaus is analyzed, again with an eye to what is being done in this area abroad. In general, with a few exceptions which are mentioned in the report, the speaker finds that scientific analysis work in most central branch information agencies is conducted with much laxity and on rather a low level. The need for the introduction of an obligatory centralized classification system according to the Universal Decimal Classification System is stressed, and the advantages of this system are outlined. Time limits for the mechanization and automation of the information-handling process are set for various institutions and agencies, and the various factors, both positive and negative, encountered in this program are noted. There is also some description of the actual equipment involved. The role of research and design activities in this area is underlined. A special section of the report deals with problems of training the information specialists who will be needed if the plans discussed in connection with the State Committee decree are to become truly workable. Special emphasis is laid on the entire matter of raising the qualifications of the specialist cadre. Suggestions are given showing how the participation of the

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scientific information agencies in the work of the branch pavilions of the Exhibit of the Achievements of the National Economy (VDNKh) might have an overall beneficial effect. Problems and deficiencies in the funding, planning, accounting and financial responsibility of information-dissemination agencies are analyzed, and a unified system is called for in this area as well. The speaker finally calls attention to the advantages to be derived from collaboration between the nations of the socialist bloc in the area of information exchange and speaks out in favor of a more active propagandizing of the possibilities of scientific and technical information, the principles of the organization of these services and the utility of the various information publications currently available to the industrial consumer.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: IE, GO

NO REF SOV: 000 OTHER: 000

Card 4/4

ARUTYUNOV, O.I.

TYMOFYEYEVS'KYY, O.D., professor, diysnyy chlen Akademiyi nauk Ukrayins'koyi RSR, zaviduvach; KHOMYNS'KYY, B.S., professor, zaviduvach; NADHORNOYI, N.I., likar-laborant; BOHOMOLETS', O.O., professor, dyrektor; ARUTYUNOV, O.I., professor, dyrektor.

Long term cultivation of certain tumors of the central nervous system. Medych. zhur. 21 no.4:24-35 '51. (MLRA 6:10)

1. Akademiya nauk Ukrayins'koyi RSR (for Tymofyeyevs'kyy). 2. Viddil tsytolohiyi Instytutu eksperymental'noyi biolohiyi ta patolohiyi im. akad. O.O. Bohomol'tsya MOZ URSR (for Tymofyeyevs'kyy). 3. Instytut eksperymental'noyi biolohiyi ta patolohiyi im. akad. O.O.Bohomol'tsya MOZ URSR (for Bohomolets'). 4. Viddil patomorfolohiyi Instytutu neyrokhirurhiyi (for Khomyns'kyy). 5. Instytut neyrokhirurhiyi (for Arutyunov). (Nervous system--Tumors)

ARUTYUNOV, O.I.

FEDOROV, Ivan Ignat'yevich [Fedorov, I.H.], prof., doktor med. nauk; ARUTYUNOV, O.I., doktor med. nauk, red.; LAZORENKO, M.F., red. vid-va.

[Popular medicine in China] Narodna medytsyna Kytaiu. Kyiv, 1958. 35 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.5, no.6). (MIRA 11:7)
(China--Medicine, Popular)

ARUTYUNOV, O. S.

ARUTYUNOV, O. S.: "A powerful AC electric arc shunted by an active resistance." Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov. Moscow, 1956
(Dissertation For the Degree of Candidate in Sciences)
Technical

So: Knizhnaya Letopis', No. 18, 1956

GARMATA, V.A.; KRAMNIK, V. Yu.; AKUTYUNOV, R.A.; NAZAROVA, V.I.

Effect of wetting sponge titanium on the hardness of the ingot.
Tsvet. met. 38 no.1:90-94 Ja '65 (MIRA 18:2)

ARUTYUNOV, R.A., inzh.

Comparative tests of internal vibrators. Energ.stroi. no.30:65-70 '62. (MIRA 16:4)

1. Nauchno-issledovatel'skiy sektor Vsesoyuznogo ordena Lenina proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut im. S.Ya. Zhuk.

(Concrete construction)

ARUTYUNYAN, R.B.

Analyzing the dimension diagram of asynchroncus motors.
Sbor. nauch. trud. EPI 22:111-121 '64. (MIRA 18:12)

ARUTYUNOV, S. A.

Arutyunov, S. A. "A method of determining the coefficient of variability of capacity in oil wells", Neft. khoz-vo, 1948, No. 12, p. 45-51.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

ARUTYUNOV, S. A.

Dissertation defended for the degree of Candidate of Historical Sciences in the Institute of Archeology

"Ancient East-Asiastic and Ainu Components in the Ethogenesis of the Japanese."

Vestnik Akad. Nauk, No. 4, 1967, pp 119-145

ARUTYUNOV, S. A.

"Problemy klassifikatsii yazykov narodov Vostochnoy Azii v svete ikh etnicheskoy istorii."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences, Moscow, 3-10 Aug 64.

KUCHEN, A.I.; ARUTYUNOV, S.A.

Results of industrial testing of bottom discharge devices of petroleum tank cars. Transp. i khran. nefti i nefteprod. no.7:17-21 '65.
(MIRA 18:9)

1. Glavnoye upravleniye po transportu i snabzheniyu neft'yu i nefteproduktami pri Sovete Ministrov RSFSR.

15(6)

SOV/101-59-4-1/10

AUTHOR: Arutyunov, S.M.

TITLE: A Chain Screen in a Rotary Kiln.

PERIODICAL: Tsement, 1959, Nr 4, pp 1-5 (USSR)

ABSTRACT: The author states that in the rotary kilns working on the wet production system, about 40 % of utilized heat is used in the zone of moisture evaporation. Since intensification of the heat is important, it may be obtained by installing various heat exchangers and a chain screen. The most effective screen proved to be one built of chains, arranged in garlands, suspended by the ends and hanging freely. The following factors are guides for the correct application of the chain screen suspension system: 1. Improvement in heat transfer may be obtained by increasing the specific surface of the screen and by a proper suspension of chains. For best results the angle of the suspended chains is 60° (Figure 1). 2. The screen acts as a granulator of the raw

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A Chain Screen in a Rotary Kiln

material mixture and helps the uniform advance of material along the kiln. 3. The chains must be prevented from becoming entangled. 4. The distance between the chains must be 200 to 275 mm. 5. The suspension system must insure a smooth movement of the chains during rotation of the kiln. The suspension scheme of the overlapping garlands is shown in diagram 2 (Figure 2). The most favorable conditions are obtained when the angle formed by the projections of the chains' suspension points to the plane is 120° (Figure 3). In the spacing of the chains' suspension, the following factors must be considered: 1. The kiln's dimensions. 2. Efficiency of the kiln and kind of fuel. 3. Physical properties of the raw material, (plasticity, dampness). 4. The draft produced by the chimney or by the exhaust fans. The above indicated angular values have been adapted by the modification of chain screens in the rotary kilns of the Leningradskiy tsementnyy zavod

A Chain Screen in a Rotary Kiln

(the Leningrad Cement Plant) (Figure 4). A photograph (Figure 5) shows an internal view of a chain screen suspended in form of a garland. Table 1 (Figure 6) shows the characteristics of a chain screen used at the above plant. Table 2 (Figure 7) contains indices of the kiln's performance showing that the efficiency of the furnace has increased by 8 %. The heat consumption has been reduced by 150 kcal/kg of clinker, i.e., by 8 % of the total heat consumption necessary for the clinker calcination. Moreover, the following positive results have been obtained due to modification of the chain screens: 1. The clinker qualities were improved. 2. Exhausting dust has been reduced. 3. Labour and expenses connected with the process have been reduced. 4. Electrofilter performance has been improved due to the reduction of the gas temperature by more than 100°. The author concludes that the modifications

A Chain Screen in a Rotary Kiln

introduced in the suspension of the chain screens will increase the resistance of the kiln's lining and insure a steady performance of the rotary kiln. There are 4 diagrams, 1 photograph, and 2 tables.

ARUTYUNOV, S.M.; SHENKER, S.I.; SHUTOV, A.G.

Pay more attention to the mechanization of auxiliary operations. TSement 29 no.4:10-11 Jl-Ag '63. (MIRA 16:11)

1. Slantsevskiy tsementnyy zavod.

66190

~~24(3)~~ 1.1000 SOV/146-59-2-10/23

AUTHOR: Arutyunov, S.S.

TITLE: Errors of Two-Stage Integrating Gyroscope Caused by Object Angle Variations

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - priborostroyeniye, 1959, Nr 2, pp 56-58 (USSR)

ABSTRACT: The two-stage integrating gyroscopes used on some objects permit determining of the slightest deviations from a given direction. Sometimes, the gyroscope body is firmly fastened to the object. In such cases, the maximum sensitivity of the gyroscope towards turning of the object around its vertical axis z should be ensured, as, namely, these turnings determine deviation of the object from its initially given course. In Fig 1, the diagram of a two-stage integrating gyroscope is given. It is assumed that the axis y_o of the gyroscope, in respect of which the angle ^{o}of deviation α is measured, coincides with the transverse axis y of the object; the axis x_o of the own gyroscope rotation, at $\alpha = 0$, coincides

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Errors of Two-Stage Integrating Gyroscope Caused by Object Angle Variations

with the longitudinal axis x of the object. D = is damper; DU = transducer of angles between the axes x_o and x. As is well known, when parameters of a two-stage integrating gyroscope are adequately selected, the turn of the object at an angle φ around its vertical axis z causes deviation of gyroscope axis x_o from the longitudinal axis x of the object by an angle α which is directly proportional to the angle φ. If transducer of angles DU has a linear characteristic of the output signal, the value of this signal is also directly proportional to the angle φ. This signal is just utilized for stabilization of the object's course. However, if the gyroscope body is firmly fastened to the object, an error in the determination of the deviation angle appears. Having made the necessary calculations, the author gives the final formula determining the value of error: $\Delta\alpha \approx 0.005.t$ deg; t is expressed in seconds. Thus 3 minutes after the appearance of the object's shak-

Errors of Two-Stage Integrating Gyroscope Caused by Object Angle Variations

ing, and error of 10° order may ensue. Recommended by the Kafedra AP-2 (Chair AP-2). There is 1 diagram.

ASSOCIATION: Kazanskiy aviatsionnyy institut (Kazan' Aviation Institute)

SUBMITTED: January 27, 1959

Card 3/3

ARUTYUNOV, S.S. (Kazan')

Damped pendulum with an oscillating suspension point. Trudy KAI 45:93-102 '59. (MIRA 14:1)

(Pendulum)

28542 S/123/61/000/018/013/015
A004/A101

13.2540

AUTHOR: Arutyunov, S. S.

TITLE: The pendulum stability during periodic oscillations of its suspension point

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 18, 1961, 6, abstract 18Zh48 K ("Tr. Kazansk. aviats. in-ta", 1960, no. 58, 3-21)

TEXT: The author presents a theoretical investigation of plane and spherical pendulums during periodical oscillations of their suspension point, taking into account viscous and dry friction. He analyzes the motion equations of pendulums at periodic motions of the suspension point along an elliptic trajectory. A partial periodic solution of the motion equation is obtained by the method of a "small parameter". The stability conditions of this solution are determined. It is shown that the pendulum oscillations in the investigated cases are stable (and, moreover, asymptotically) at limited vibration and friction parameters. A number of examples are analyzed which correspond to different laws of motion of the suspension point. The magnitude of the pendulum angle of deviation from the vertical is established, which is determined by the

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The pendulum stability during periodic ...

sum of products of the squares of amplitudes and circular frequencies of all component oscillations of the suspension point, by the angle between the vibration direction and the pendulum axis, and by the reduced length of the latter. The investigation results make it possible to determine the maximum permissible vibration parameters from the given permissible deviation of the pendulum from the vertical, owing to vibrations of the base. There are 2 figures and 10 references.

G. Flidlider

[Abstracter's note: Complete translation]

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ARYUTYUNOV, S.S.

L 51480-65 EEC-2/EED-2/EEC(k)-2/EWG(v)/EWA(c)/EWT(d)/FSS-2 Pe-5/Pr-4/Pk-4/Pl-4/Pn-4/Po-4/Pq-4 BC

AM5016216 BOOK EXPLOITATION UR/

Danilin, Vasiliy Petrovich

Gyroscopic instruments (Girouskopicheskiye pribory). Moscow, "Vysshaya shkola", 1965. 538 p. illus., biblio. Errata slip printed on the last page. 10,000 copies printed.

TOPIC TAGS: gyro instrument, gyro horizon, gyro course indicator, gyrocompass, gyro stabilizer, gyro instrument design

PURPOSE AND COVERAGE: This textbook is intended for students specializing in instrument design in higher educational institutions. It may also be useful to engineers working in the field of gyro [illegible] systems. [illegible] Professor [illegible] for valuable remarks made during the review of the manuscript, and to Professor G. O. Fridlender, who undertook the job of editing the book.

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OTHER: 002

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ARUTYUNOV, S.S.

Natural vibrations of an uniaxial mechanical gyrostabilizer. Trudy KAI no.78:3-10 '63. (MIRA 18:10)

ARUTYUNOV, S.S.

Errors in a two-stage integrating gyroscope caused by angular vibrations of the mounting. Izv.vys.ucheb.zav.; prib. 3 no.3: 54-58 '60. (MIRA 14:4)

1. Kazanskiy aviatsionnyy institut. Rekomendovana Kazanskim aviatsionnym institutom.
(Gyroscope)

ARUTYUNOV, V., prof.

How to prevent skin diseases. Sov.shakht. 10 no.5:45-46 My '61. (MIRA 14:9)

(COAL MINERS--DISEASES AND HYGIENE)

ARUTJUNOV, V. [Arutyunov, V.]

Some problems in the pathogenesis and evolution of psoriasis. Cesk.derm. 38 no.5:314-321 O '63.

1. Klinika koznich a venerickych nemoci (prednosta prof. V. Arutjunov) Moskovskeho oblastniho vedeckovyzkumneho klinickeho institutu M. Vladimirskeho (reditel P.M. Leonenko).

KRIVENKO, Ya.N.; GUSEV, M.I.; ARUTYUNOV, V.A.; EKEZLI, S.S.; CHERKASSKIY, L.N., inzh., retsenzent; GULEV, Ya.F., kand. tekhn.nauk, red.; USENKO, L.A., tekhn. red.

[Organization of rhythmic operations on railroads; experience of the Donetsk Railroad] Organizatsiia ritmichnoi raboty dorogi; opyt Donetskoi zhel.d. Moskva, Transzheldorizdat, 1963. 71 p. (MIRA 16:4)
(Railroads--Management)

LEBEDEVA, T.P.; STRAKOVSKIY, I.I.; TISHKOV, L.B.; LOMAKINA, N.N.; ZABELLO, M.L.; SADIKOV, P.P.; PETRUNENKOV, A.Ye.; BELENOV, V.K.; ARUTYUNOV, V.A., inzh., retsenzent; PETROVA, V.L., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Basic requirements related to the technical equipment of classification yards] Osnovnye trebovaniia k tekhnicheskomu osnashchcniiu sortirovochnykh stantsii. Moskva, Transzheldorizdat, 1963. 218 p. (Its TRUDY, no.270). (MIRA 17:3)

ARUTYUNOV, V.A.

Calculating mixing processes in coaxial turbulent flows. Izv. vys. ucheb. zav.; chern. met. 6 no.9:194-201 '63. (MIRA 16:11)

ARUTYUNOV, V.A.

Mixing processes in coaxial turbulent streams and their calculation. Izv. vys. ucheb. zav.; chern. met. 6 no.11:207-215 '63. (MIRA 17:3)

1. Moskovskiy institut stali i splavov.

ARUTYUNOV, V.A., prof.; SHUBLADZE, A.K.; BERENBEYN, B.A.; MAYEVSKAYA, T.N.; ROGAYLIN, G.I.

Marrow-Brooke's contagious follicular seratosis. Vest. derm. i ven. 38 no.11 26 34 N '64. (MIRA 18:4)

1. Klinika kozhnykh i venericheskikh bolezney Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni Vladimirskogo (dir. P.M.Leonenko) i Institut virusologii imeni D.I.Ivanovskogo (dir. - deystvitel'nyy chlen AMN SSSR prof. V.M.Zhdanov) AMN SSSR.

ARUTYUNOV, V. D.,

"On the Peculiarities of the Course of Leukosis," Moscow, Arkhiv Pathologii, No. 1, 1956.

Pathological Anatomy Dept, Main Military Hospital im. Burdenko.

ARUTYUNOV, V.D.

Preparing permanent preparations for fluorescence microscopy. Zhur. ob.biol. 17 no.1:79-80 Ja-F '56. (MLRA 9:6)

1. Patologo-anatomicheskoye otdeleniye glavnogo voyennogo gospitalya imeni N.N.Burdenko.

(FLUORESCENCE MICROSCOPY)

ARUTYUNOV, V.D.(Moskva)

Specific course of leukosis (lymphadenosis-reticulosis) Arkh. pat. 18 no.1:56-59 '56. (MLRA 9:6)

1. Iz patologoanatomomicheskogo otdeleniya (nachal'nik R.D. Shtern) Glavnogo voyennogo gospitalya imeni N.N. Burdenko.
(SARCOMA, RETICULUM CELL, case reports, (Rus))

ARUTYUNOV, V.D. (Moskva)

Problem of schistosomiasis in man. Arkh.pat. 18 no.7:101-106 '56.
(MLRA 10:1)
1. Iz patologoanatomicheskogo otdeleniya (nach. - kandidat meditsinskikh nauk R.D.Shtern) Glavnogo voyennogo gospitalya imeni N.N. Burdenko (nach. - general-mayor meditsinskoy sluzhby N.M.Nevskiy)
(SCHISTOSOMIASIS, case reports,
(Rus))

DZHAVAD-ZADE, M.D.; ARUTYUNOV, V.D.

Combined calculi and cancer of the kidney. Urologiia 21 no.1:69-71 Ja-Mr '56. (MLRA 9:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.I.Spasokukotskogo (zav. - prof. A.N.Bakulev) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina i iz patologoanatomicheskogo otdeleniya 1-y Gorodskoy bol'nitsy imeni N.I.Pirogova (glavnyy vrach L.D.Chernyshov)

(KIDNEYS, calculi
causing cancer, surg.)
(CALCULI
kidneys, causing cancer, surg.)

ARUTYUNOV, V.D.; GAMALEYA, A.N. (Moskva)

Modifications in the hemopoietic system related to radiotherapy [with summary in English]. Arkh.pat. 19 no.9:78-83 '57. (MIRA 10:12)

1. Iz otdeleniya luchevoy terapii (nachal'nik A.N.Gamaleya) i patologoanatomicheskogo otdeleniya (nachal'nik R.D.Shtern) Glavnogo voyennogo gospitalya imeni N.N.Burdenko (nachal'nik N.M.Nevskiy)

(RADIOTHERAPY, complications
anemia, aplastic (Rus))
(ANEMIA, APLASTIC, etiology and pathogenesis, radiother. (Rus))

ARUTYUNOV, V.D.; SHNAPER, L.M. (Moskva)

Case of chronic radiation sickness. Vest.rent. i rad. 32 no.2:70-73 Mr-Ap '57. (MLRA 10:8)

1. Iz khirurgicheskogo i patologoanatomicheskogo otdeleniya gorodskoy bol'nitsy No.29 imeni Baumana (glavnyy vrach N.G.Orlov)
(CERVIX NEOPLASMS, therapy,
x-ray, causing chronic radiation sickness (Rus))
(ROENTGEN RAYS, injurious effects,
radiation sickness, chronic, in ther. of cervical tumor (Rus))

SOV-25-58-8-53/61

AUTHOR: Arutyunov, V., Professor, Doctor of Medical Sciences

TITLE: Medical Science Serves the People (Meditsinskaya nauka sluzhit narodu)

PERIODICAL: Nauka i zhizn', 1958, Nr 8, p 76 (USSR)

ABSTRACT: The article contains a review on the book of S.V. Kurashev "Soviet Health Protection During the Sixth Five-Year Plan". A special chapter of the book is devoted to the utilization of atomic energy for peaceful purposes.

1. Public health--USSR

Card 1/1

GUTKINA, A.V., ARUTYUNOV, V.D., MAMUL', Ya.V.

Methods of dehydrating preparationf for fluorescnie microscopy. Biofizika 3 no.3:362-364 '58 (MIRA 11:6)

1. Institut biologicheskoy fiziki AN SSSR, Moskva i Glavnyy voyennyy gospital' im. N.N. Burdenko.
(FLUORESCENCE MICROSCOPY)
(FREEZE-DRYING)

SLIZKIY, I.S.; ARUTYUNOV, V.D. (Moskva).

Cancer of a bladder diverticulum. Urologiia 23 no.6:63-65 N-D '58.
(MIRA 11:12)
1. Iz Urologicheskogo otdeleniya (nach. I.S. Slizkiy) i patologoanatomicheskogo otdeleniya (nach. R.D. Shtern) Glavnogo voyennogo gospitalya imeni N.N. Burdenko.
(BLADDER, diverticulum
intramural cancer of diverticulum (Rus))

ARUTYUNOV, V.D.

A method for the preparation of permanent histological specimens for fluorescence microscopy. Arkh.pat. 21 no.8:79 '59.
(MIRA 13:12)

(MICROSCOPY—TECHNIQUE)
(ANATOMY—SPECIMENS—COLLECTION AND PRESERVATION)

ASHMARIN, Yu.Ya.; ARUTYUNOV, V.D. (Moskva)

Trophic ulcers of the stomach appearing during treatment with massive doses of steroid hormones. Arkh. pat. 22 no. 10:77-79 '60. (MIRA 13:12)

1. Iz kozhno-venerologicheskogo (nachal'nik Yu.Ya. Ashmarin) i patologoanatomicheskogo (nachal'nik R.D. Shtern) otdeleniy Glavnogo voyennogo gospitalya imeni N.N. Burdenko (nachal'nik L.I. Lyalin).
(PEPTIC ULCER) (ADRENALOCORTICAL HORMONES)

ARUTYUNOV, V.D.

Structure and compensatory significance of the thebesian vessels in the left cardiac ventricle in myocardial infarct. Arkh. pat. 22 no. 11:85-91 '60. (MIRA 14:1)

(HEART—INFARCTION)

SHTERN, R. D.; ARUTYUNOV, V. D. (Moskva)

Use of polystyrol in histological technic. Arkh. pat. no.6:81-82 '61. (MIRA 14:12)

1. Iz patologoanatomicheskogo otdeleniya (nachal'nik - kandidat meditsinskikh nauk R. D. Shtern) Glavnogo voyennogo gospitalya imeni N. N. Burdenko (nachal'nik L. I. Lyalin)

(ANATOMICAL SPECIMENS--COLLECTION AND PRESERVATION)
(STYRENES)

SHTERN, R.D., kand.med.nauk; ARUTYUNOV, V.D.; LIKHACHEV, Yu.P.

Extensive dissecting aortic aneurysm. Klin.med. 39 no.1:49-54 Ja '61. (MIRA 14:1)

(AORTIC ANEURYSMS)

ARUTYUNOV, V. D.; SMOL'YANNIKOV, A. V. (Moskva)

Vascularization of infarcts and scars of the myocardium. Arkh. pat. no.7:20-28 '61. (MIRA 15:4)

(HEART—INFARCTION)

ARUTYUNOV, V. D. (Moskva)

Case of giant aneurysm of the basilar artery. Arkh. pat. no.7: 78-80 '61. (MIRA 15:4)

1. Iz patologoanatomicheskogo otdeleniya (nach. R. D. Shtern) Glavnogo voyennogo gospitalya imeni N. N. Burdenko (nach. L. I. [illegible]lin)

(INTRACRANIAL ANEURYSMS)

KRYMSKIY, L.D.; ARUTYUNOV, V.D.

Stereoangioroetgenographic and histotopographic study of the cardiac vessels in congenital defects. Kardiologiia 2 no.5: 27-33 S-O '62. (MIRA 15:12)

1. Iz Instituta morfologii cheloveka AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. A.P.Avtsyn) i otdela patologicheskoy anatomii (zav. - doktor med.nauk D.S.Sarkisov) Instituta khirurgii imeni A.V.Vishnevskogo AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof.A.A.Vishnevskiy).
(HEART--ABNORMITIES AND DEFORMITIES)(ANGIOCARDIOGRAPHY)