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[Development and exploitation of oil and gas fields] Razrabotka i ekspluatatsiia neftianvkh i gazovykh mestorozhdenii. Izd.2., perer. Moskva, Nedra, 1965. 504 p. (MIRA 18:2)

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J. Iron Steel Inst. (R.J.C.)

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[Higher mathematics; methodological instructions and control assignments for the students of correspondence technical schools of university level] Vysshaia matematika; metodicheskie ukazaniia i kontrol'nye zadaniia dlia studentov zaochnykh vysshikh tekhnicheskikh uchebnykh zavedenii. Izd.9. Pod red. B.A.Fuksa. Moskva, Gos.izd-vo "Sovetskaia nauka," 1958. 179 p. (MIRA 12:9)
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[Differential calculus] Differentsial'noe ishislenie. Moskva, Nauka, 1965. 591 p. (Osnovy vysshei matematiki, no.2) (MIRA 18:9)

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[Structural design of foundry machinery] Konstruktivnye chertezhi mashin liteinogo proizvodstva; atlas. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 217 p. (MIRA 12:12)

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[Fundamentals of safety engineering and fire prevention in the petroleum and gas industries] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki v neftianoi i gazovoi promyshlennosti. [By] G.M.Grigorian i dr. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1962. 222 p. (MIRA 15:2)

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[Development and exploitation of oil and gas fields] Razrabotka i ekspluatatsiia neftianykh i gazovykh mestorozhdenii. Pod obshchei red. I.M. Murav'eva. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 495 p. (MIRA 11:12)
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POLOZKOV, V.T

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Murav'yev, Ivan Mikhaylovich, Ruben Samsonovich Andriasov, Shamil' Kashafovich Gimatudinov, Galina Leonidovna Govorova, and Vladimir Tikhonovich Polozkov.

Razrabotka i ekspluatatsiya neftyanykh i gazovykh mestorozhdeniy (Development and Exploitation of Oil and Gas Deposits) Moscow, Gostoptekhizdat, 1958. 495 p. 6,000 copies printed.

Reviewers: Yu. P. Borisov, Candidate of Technical Sciences; Ed.: I.M. Murav'yev, Professor; Exec. Ed.: Z.A. Savina; Tech. Ed.: E.A. Mukhina.

PURPOSE: The book is intended as a textbook for students in engineering, economic and geological-surveying subjects in petroleum institutes, and may be used by the engineering and technical personnel in oil fields.

COVERAGE: The authors survey modern scientific concepts of the physics of formations, the theory of petroleum, gas and gas-condensate field development, and the technology of oil and gas production. They review the methods of planning the development of oil and gas fields, the maintenance of formation pressures and secondary oil-recovery methods, the modern state and techniques of oil and gas wells exploitation and maintenance, as well as the gathering of oil and gas

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in the fields, primary working processes, transportation, storage, and the utilization of gas. The book was reviewed by the faculty of oil field development of the Groznenskiy neftyanoy institut (Groznyy Petroleum Institute) and Yu. P. Borisov, Candidate of Technical Sciences. There are 88 Soviet references.

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POLOZKOV, V T.

GRIGORYAN, Grigoriy Markovich, doktor tekhnicheskikh nauk; ALEKSIN, Aleksandr Georgiyevich, inzhener; ZAKS, Saveliy L'vovich, kandidat tekhnicheskikh nauk; KUZIN, Mikhail Ivanovich, inzhener; POLOZKOV, Vladimir Tikhonovich, kandidat tekhnicheskikh nauk; SUKHANOV, Vasiliy Pavlovich, inzhener; SULTANOV, D.K., inzhener; STREL'CHUK, Nikolay Antonovich, inzhener; CHERNYAK, Il'ya L'vovich, inzhener; KUSHELEV, V.P., retsenzent; ROYZEN, I.S., otvetstvennyy redaktor; ZAMARAYEVA, K.M., vedushchiy redaktor; KOVALEVA, A.A., vedushchiy redaktor; SAVINA, Z.A., vedushchiy redaktor; TROFIMOV, A.V., tekhnicheskiy redaktor

[Safety engineering and fire prevention in the petroleum industry] Tekhnika bezopasnosti i protivopozharnaia tekhnika v neftianoi promyshlennosti. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1956. 508 p. (MLRA 10:1)

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(Fire prevention)

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1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov.

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ESTRIN, R.Ya.; POLOZKOVA, V.V., vod. red.

[Safety technique when welding and cutting gas pipelines in operation] Tekhnika bezopasnosti pri ognevykh rabotakh na deistvuiushchikh gazoprovodakh. Moskva, Nedra, 1964. 44 p. (MIRA 17:8)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

ZAKHAROV, Arkadiy Petrovich; POLOZKOVA, V.V., ved. red.; VORONOVA, V.T., tekhn. red.

[Efforts made in the U.S.A. to prevent the sticking of boring tools] Bor'ba s prikhvatami buril'nogo instrumenta v SShA. Moskva, Izd-vo "Nedra," 1964. 86 p.
(MIRA 17:3)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

GULIZADE, M.P., prof., doktor tekhn.nauk, otv. red.; TSEKUN, N.A., dots., kand. tekhn. nauk, zam. otv. red.; NEGREYEV, V.F., prof., doktor khim. nauk, red.; SPIRIN, A.A., dots., kand. tekhn. nauk, red.; KLYUCHNIKOVA, L.P., ved. red.; POLOZKOVA, V.V., ved. red.; POLOSINA, A.S., tekhn. red.

[Transactions of the All-Union Interuniversity Scientific Conference on Corrosion Control Problems] Trudy Vsesoiuznoi mezhvuzovskoi nauchnoi konferentsii po voprosam bor'by s korroziei. Moskva, Gostoptekhizdat, 1962. 405 p. (MIRA 16:8)

1. Vsesoyuznaya mezhvuzovskaya nauchnaya konferentsiya po voprosam bor'by s korroziyey. 2. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova (for Spirin, TSekun).
(Corrosion and anticorrosives)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLYAKOV, A.A., prof.; TARANOV, M.T., kand. biolog. nauk; POLOZNOV, N.A., veterin. vrach; CHEREZOVA, T.Ye., veterin. vrach; KRYUCHKOV, I.I.; LILENKOV, I.P., kand. veterin. nauk; PETUKHOVA, Ye.A., kand. sel'skokhoz. nauk; KHALENEVA, L.D., kand. sel'skokhoz. nauk; BOCHAROV, D.A., kand. sel'skokhoz. nauk

Sanitation and veterinary hygiene. Veterinariia 41 no.2: 84-99 F '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii (for Polyakov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut fiziologii i biokhimii sel'skokhozyaystvennykh zhivotnykh (for Taranov). 3. Kalininskaya nauchno-proizvodstvennaya veterinarnaya laboratoriya (for Poloznov, Cherezova). 4. Zaveduyushchiy Rzhevskoy veterinarnoy laboratoriyey, Kalininskaya oblast((for Kryuchkov). 5. Arzamasskaya veterinarnaya laboratoriya, Gor'kovskoy oblasti (for Lilenkov). 6. Moskovskaya veterinarnaya akademiya (for Petukhova, Khaleneva). 7. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti (for Bocharov).

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

ARCHAKOV, B.G.; VASIL'YEV, V.N.; NEUSTROYEV, V.D.; POLOZOV, A.I.; PREOBRAZHENSKIY, A.A.

Comparative data on the determination of the concentration of the smallpox vaccine virus by titration in chicken embryos and tissue cultures. Vop.virus. 7 no.6:731-734 N-D '62. (MIRA 16:4)
(VACCINES) (SMALLPOX)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOV, A.I.; PAUTOV, V.N.

Problem of the variability of R. burneti. Vop.virus. 6 no.2:210-212 Mr-Ap '61. (MIRA 14:6)

(RICKETTSIA)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

PAUTOV, V.N.; POLOZOV, A.I.

Prolonged preservation of R. burneti cultures. Vop.virus. 6 no.2: 213-217 Mr-Ap '61. (MIRA 14:6)

(RICKETTSIA)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

GORDYUKHIN, A.I.; POLOZOV, B.F.

Protecting gas pipelines under construction from stray currents. Gaz.prom. 10 no.11:26-29 '65.

(MIRA 19:1)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOV, I.T., glavnyy metodist; GRIGOR'YEV, V.V., otvetstvennyy redaktor; SILIN, V.S., redaktor; VESKOVA, Ye.I., tekhnicheskiy redaktor

[The "Uzbek S.S.R." pavilion; a guidebook] Pavil'on "Uzbekskaia SSR"; putevoditel'. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 26 p. (MIRA 9:12)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
(Uzbekistan--Agriculture)
(Moscow--Agricultural exhibitions)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

GROMEKA, V.P.; REZNIKOV, N.Ya., inzh.; CHERKASOV, B.P.; POLOZOV, M.A.; VERKHUNOV, N.G.; EKK, V.Ya., inzh.; BILLER, S.R., inzh.

Foresters discuss protective tree planting. Put' i part.khoz. 7 no.4: 38-39 '63. (MIRA 16:3)

1. Starshiy inzh. Zaporozhskoy distantsii zashchitnykh lesonasazhdeniy, Pridneprovskoy dorogi (for Gromeka). 2. St. Zaporozh'ye, Pridneprovskoy dorogi (for Reznikov). 3. Nachal'nik proyektno-izyskatel'skogo otryada po zashchitnym lesonasazhdeniyam, Rostov-na-Donu (for Cherkasov). 4. Starshiy inzh. proyektno-izyskatel'skogo otryada po zashchitnym lesonasazhdeniyam, Rostov-na-Donu (for Polozov). 5. Nachal'nik distantsii zashchitnykh lesonasazhdeniy, Karaganda, Kazakhskoy dorogi (for Verkhunov). 6. Stantsiya Karaganda, Kazakhskoy dorogi (for Ekk, Biller).

(Windbreaks, shelterbelts, etc.)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

VOLKHONSKAYA, R.A.; YENENKO, O.K.; IVANOVA, S.N.; MOTIN, Yu.D.; OZEROV, I.M.; PARANIN, D.A.; POLOZOV, V.F.; SOLOVUSHKOVA, G.E.; SUVOROVA, G.F., red.; VENTSEL', I., red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Building materials made of waste products from oil shale winning and processing] Stroitel'nye materialy iz otkhodov dobychi i pererabotki goriuchikh slantsev. Leningrad, 1963. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'nye materialy i konstruktsii, no.4) (MIRA 16:11)
(Oil shales) (Building materials)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOVA, I.G.

Prophylaxis for complications of minor injuries at a public health center. Vop. travm. i ortop. no.13:90-92 '63.

(MIRA 18:2)

1. Irkutskiy gosudarstvennyy nauchno-issledovatel'skiy institut travmatologii i ortopedii.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

SINA[redacted]SKIY, N.Ye.; POLOZOVA, I.G.

Increased toxin resistance of erythrocytes in rabbits immunized with perfrigens toxoid. Zhur.mikrobiol.epid.i immun. 31 no.8: 80-81 Ag '61. (MIRA 14:6)

1. Iz Urkutskogo instituta travmatologii i ortopedii.
(CLOSTRIDIUM PERFRIGENS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

PUDOVIK, A.N.; POLOZNOVA, N.G.

New method for the synthesis of esters of phosphinic and thiophosphinic acids. Part 19. Addition of dialkylthiophosphorous acids and phosphinous acid esters to unsaturated nitriles and to vinylphosphinic acid ester. Zhur.ob.khim. 25 no.4:778-783 Ap '55. (MLRA 8:7)

1. Kazanskiy Gosudarstvennyy universitet. (Phosphorus acids) (Nitriles)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOK, V., kapitan 1 ranga.

Flag semaphore. Voen. znan. 29 no.9:20-21 S '53. (MLRA 6:12)
(Flags) (Signals and signalling)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOV, V.F.; ZAPEVALOV, N.V.; SOTNIKOV, M.A.; KOLOLIK, [illegible]

Breaking down kerosine in momentary intermittent electric ar[illegible]
Trudy VNIIT no.13:45-65 '64. [illegible]

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZNOVA, N. G.

CH

Synthesis of esters of phosphonic and thiophosphonic acids. XIX. Addition of dialkyl phosphites and esters of phosphonous acid to unsaturated nitriles and to vinylphosphonic ester. A. N. Pudovik and N. G. Poloznova (Kazan State Univ.). *Zhur. Obshchei Khimii* [illegible] *J. Gen. Chem. U.S.S.R.* 25, 745–8(1955)(Rugl. translation); cf. 48, 2573; 49, 2[illegible].—Addn. of RONa with cooling to an equimolar mixt. of $(RO)_2POH$ or $(RO)_2PSH$ and the desired unsatd. compd., followed by heating 0.5 hr. on a steam bath resulted in the formation of the following esters (yield, b.p., n_D^{20}, d_{20} given): $(MeO)_2PSCH_2CH_2CN$, 59%, b_{14} 138–9°, 1.4860, 1.1855; $(EtO)_2PSCH_2CH_2CN$, 74%, b_7 134–5°, 1.4772, 1.1095; $(BuO)_2PSCH_2CH_2CN$, 68%, b_4 167°, 1.4741, 1.0366; $(iso\text{-}BuO)_2PSCH_2CH_2CN$, 67%, b_{14} 174°, 1.4721, 1.0245; $(EtO)_2PSCH_2CHMeCN$, 50%, b_{18} 145–6°, 1.4730, 1.0806; $(iso\text{-}BuO)_2PSCH_2CHMeCN$, 59%, b_{12} 189–9.5°, 1.4678, 1.0075; $(BuO)_2PSCHMeCH_2CN$, 75%, b_7 124–5°, 1.4750, 1.0840; $(BuO)_2PSCHMeCH_2CN$, 62%, b_{10} 176–7°, 1.4693, 1.0208; $(iso\text{-}BuO)_2PSCHMeCH_2CN$, 75%, b_{14} 178–8.5°, 1.4668, 1.0134; $(EtO)_2PSCH_2CH_2P(O)(OEt)_2$, 66%, b_{14} 163°, 1.4638, 1.1356; $(BuO)_2PSCH_2CH_2P(O)(OEt)_2$, 67%, b_1 209°, 1.4510, 1.0573. Similar reaction using KP(O)(H)OEt gave: $EtP(OEt)(O)CH_2CH_2CN$, 67%, b_{12} 171–1.5°, 1.4527, 1.0794; $EtP(OBu)(O)CH_2CH_2CN$, 53%, b_{12} 192°, 1.4521, 1.0291; $PhP(OEt)(O)CH_2CH_2CN$, 48%, b_1 162–3°, 1.5245, 1.1478; $EtP(OEt)(O)CH_2CHMeCN$ 40%, b_{17} 183–5°, 1.4470, 1.0048; $EtP(OEt)(O)CHMeCH_2CN$, 68%, b_1 158–9.5°, 1.4550, 1.0597; $EtP(OEt)(O)CH_2CH_2P(O)(OEt)_2$, 59%, b_4 195°, 1.4510, 1.1235.

G. M. Kosolapoff

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLCZO, M.A., starchiy inzh.

We will create beautiful roadsides. Put'i put.khoz. 5 no.5:27 My '61. (MIRA 14:6)

1. Proyektno-izyskatel'skiy otryad po zashchitnym lesonasazhdeniyam, g. Rostov-na-Donu.

(Windbreaks, shelterbelts, etc.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOV, A.I.; YAKOVLEV, A.I.

Method for producing purified live cultures of R. burneti. Vop. virus. 6 no.6:746-748 N-D '61. (MIRA 15:2)
(RICKETTSIA)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

YAKOVLEV, A.I.; POLOZOV, A.I.

Change in the complement-fixing activity of antigens prepared from Rickettsia burnetii. Zhur.mikrobiol., epid.i immun. 33 no.8:74-79 Ag '62. (MIRA 15:10)
(RICKETTSIA) (ANTIGENS AND ANTIBODIES) (COMPLEMENT FIXATION)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOV, M. A., inzh. (Rostov-na-Donu)

Planting shrubs on bare slopes. Put' i put. khoz. 6 no.8:40-41 '62. (MIRA 15:10)

(Caucasus—Afforestation)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOV, M.A.

Seabuckthorn planting for slope protection. Put' i put.khoz. 4 no.10:43 O '60. (MIRA 13:9)

1. Starshiy inzhener proyektno-izyskatel'skogo otryada, g. Rostov-na-Donu.
(Soil binding) (Seabuckthorn)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

LEBEDINSKIY, N.F.; OKTYABR'SKIY, P.Ya.; SMIRNOV, D.V.; VINLGRADOV, N.I.; KUZ'MAK, B.S.; BLYAKHM'N, L.S.; RYASHCHENKO, B.R.; POLOZOV, V.R.; SHALGIN, G.N.; MARKIN, A.A.; IGNAT'YEVA, E.P.; VOROTILOV, V.A.; KLYUYEV, A.I., dots., otv.red.; KARPOVA, L.A., red.; YELIZAROVA, N.A., tekhn. red.

[Hiddent potentials for increasing labor productivity in the national economy] Rezervy rosta proizvoditel'nosti truda v narodnom khoziaistve. Leningrad, Izd-vo Leningr. univ., 1962. 223 p. (MIRA 16:2)

1. Leningrad. Universitet.

(Labor productivity)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

PISAKIN, N.N.; PLINER, M.D.; POLOZOV, V.R.; RYASHCHENKO, B.R.; AZAROV, E.K., red.; SHERMUSHENKO, T.A., tekhn.red.

[Planning perspectivs for training personnel in an industrial enterprise] Perspektivnoe planirovanie podgotovki kadrov promyshlennogo predpriiatiia. Leningrad, Lenizdat, 1960. 38 p. (MIRA 13:7)

(Leningrad--Machinery industry) (Employees, Training of)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOV, V.S. (Gor'kiy)

Methods of the compostion of a mechanical drawing. Vop.psikhol. no.6:107-116 N-D '62. (MIRA 16:2)
(Mechanical drawing—Study and teaching)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

PARFENOV, A.I.; SHUL'TS, M.M.; NEKRASOVA, T.N.; POLOZOVA, I.P.

Electrode properties and chemical stability of lithium silicate glasses containing rare earth oxides and yttrium oxide. Vest. LGU 18 no.4:126-134 '63. (MIRA 16:3)
(Electrodes, Glass) (Lithium silicates) (Rare earths)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

S/054/63/004/001/014/022
B101/B215

AUTHORS: Parfenov, A. I., Shul'ts, M. M., Nekrasova, T. N., Polozova, I. P.

TITLE: Electrode properties and chemical stability of lithium silicate glasses containing rare earth oxides of yttrium oxide

PERIODICAL: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii, no. 1, 1963, 126-134

TEXT: This is a report on the study of glasses belonging to the systems $Li_2O - Nd_2O_3 - SiO_2$, $Li_2O - CeO_2 - SiO_2$, and $Li_2O - Y_2O_3 - SiO_2$. The curves E versus pH were plotted at room temperature in the pH interval -0.5 - 14 and at 95°C in the pH interval -0.5 - 12 in solutions with a constant 3 N concentration of Li^+ or Na^+ ions. In addition, the stability of the glass to H_2O or 0.1 N HCl was determined at 100°C. Results: (1) Addition of rare earth oxides or Y_2O_3 shifts the total H^+ function

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOVA, L.G.; RUBINSHTEYN, Ye.S.

The present-day changing of the climate. Izv. AN SSSR. Ser. geog. no.5:3-28 S-O '63. (MIRA 16:10)

1. Glavnaya geofizicheskaya observatoriya im. A.I.Voyeykova.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOVA, L.G.

Fluctuation of climate in the North Atlantic region. Izv.AN SSSR.Ser.geog. no.2:79-87 Mr-Ap '63. (MIRA 16:4)

1. Glavnaya geofizicheskaya observatoriya im. A.I.Voyeykova.
(North Atlantic region--Climate)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOVA, L.Ya., kand. biolog. nauk; KUTYURIN, V.M., kand. khim. nauk

Development of research on photosynthesis; session of the Department of Biochemistry, Biophysics and Chemistry of Physiologically Active Compounds. Vest. AN SSSR 35 no.4:100-102 Ap '65. (MIRA 18:6)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOVA, N.G.

Precalculation of penumbral lunar eclipses. Biul. Inst. teor. astron. 6 no.3:202-218 '55. (MIRA 13:3)
(Eclipses, Lunar)

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A001/A001

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9.7000

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 11, p. 16, # 11020

AUTHOR: Polozova, N.G.

TITLE: The Use of Electronic Computers in the Development of Analytical Theories of Planetary Motion

PERIODICAL: Byull. In-ta teor. astr. AN SSSR, 1960, Vol. 7, No. 8, pp. 599-638 (German summary)

TEXT: The author shows how to perform very labor-consuming calculations, necessary for the development of analytical theories of planetary motion, by means of modern high-speed computers. The G.W. Hill method takes the least time for determining the numerical values of individual perturbation terms; therefore, Hill's formulae are adopted for perturbations of radius-vector δr, longitude $\delta \lambda$ and latitude $\delta \beta$ of the planet. The quantities X, Y, Z, which are proportional to the components of a perturbing acceleration, as well as all intermediary quantities and the final result, the author presents in the form of trigonometric series with arguments v and w', where v is true anomaly of the perturbing planet and

Card 1/5

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A001/A001

The Use of Electronic Computers in the Development of Analytical Theories of Planetary Motion

$w' = \vartheta' - v$; $\vartheta' = (n'/n)v + c' - (n'/n)c$; n and n' are diurnal motions of the perturbed and perturbing planet respectively, c and c' are constants. The process of determining perturbations is divided into 3 stages: the calculation of coefficients in Fourier series for X, Y, Z; the multiplication of the series; the integration of the series. The coefficients of bi-argument expansions of functions X, Y, Z are found directly on the basis of the values of each function at 2n and 2n' various values of arguments v and w'. In order to estimate the necessary number of circle division points (2n and 2n'), the author proposes to compare the admissible error in the function being expanded into series, which is calculated by V.F. Proskurin's formula, and the value of the last series term. If they are of the same order of magnitude, the number of division points is sufficient. Otherwise, it is proposed to change the number of divisions and to repeat the estimate. The calculation of coefficients of the resulting series, while multiplying trigonometric series, is reduced to the multiplication, in a certain order, of the coefficients of the initial series. The order of multiplication is determined by a formula given in the article. The author proposes to perform the checking of calculations by direct calculation of the values of the initial and resulting series

Card 2/5

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A001/A001

The Use of Electronic Computers in the Development of Analytical Theories of Planetary Motion

for particular values of their arguments, 0° and 90°. The comparison of the value of the resulting series with the product of the initial series for argument particular values makes it possible not only to detect an error in calculations but also to estimate the accuracy of the resulting series. Formulas are given which are necessary for the integration of Fourier series, which is moreover checked by double calculation. The article describes the properties of high-speed computers and special features of operation with them. It is proposed, to facilitate the programming, to use the operator method the basic fundamentals of which are presented. The logical diagrams of the above-mentioned stages 1 and 2 are given, which necessitated 38 and 41 operators respectively, and of the subsequent explanation of each operator. The great number of intermediate quantities and terms in Fourier series makes calculations cumbersome. Thus, at the number of division points $2n = 16$ and $2n' = 24$, the number of terms in expansions of X, Y, Z equals 450, and in perturbations of radius-vector amounts to 1,250. However, most of the terms are very small. In view of the insufficient number of cells in the computer operative unit, the larger part of intermediate quantities and some parts of the

Card 3/5

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A001/A001

The Use of Electronic Computers in the Development of Analytical Theories of Planetary Motion

program are stored in the magnetic tape and magnetic drum. It is proposed to arrange the terms according to a certain law, rather than to assign the numbers to the terms. In multiplying series with m and m' terms, arranged according to the given law, the number of terms of the resulting series is equal to m + m', and they are located in the free cells of the operative unit according to the same law. As an example, the author presents the calculation of first-order perturbations of Ceres by Saturn carried out on the high-speed "Strela" computer in the Computing Center of AS USSR. The numbers of division points were adopted 2n = 12 and 2n' = 16. In spite of the cumbersome calculations, the expansions for X, Y, Z were performed in 20 min, the first three multiplications of series in 40 min, and the third (by r^3) in an hour. The solution of the entire problem takes about 3 hours if the computer performance is perfect (without errors, conversion to the magnetic tape and double calculations). The calculation results are compared with the same quantities obtained by V.F. Proskurin. Their agreement is quite satisfactory. Some differences are caused by the different degree of calculation

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Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.

Prikladnaya geofizika; sbornik statey, vyp. 18 (Applied Geophysics; Collection of Articles, No. 18) Moscow, Gostoptekhizdat, 1958, 286 p.
Errata slip inserted. 3,000 copies printed.

Ed.: A.I. Bogdanov; Executive Ed.: N.P. Dobrynina; Tech. Ed.: E.A. Mukhina.

PURPOSE: The book is intended for engineers, technicians, geophysicists, and persons interested in the geophysical methods of petroleum prospecting.

COVERAGE: The book is a collection of 16 articles dealing with the theoretical and practical problems of electrical sounding, seismic prospecting and gravimetry. Advances in electrical prospecting in not easily accessible regions and in the ocean are treated for the first time in Soviet literature. New methods for the investigation and detection of radioactive emissions of drill holes, as well as optical and luminescence logging are analyzed. No personalities are mentioned. References accompany most of the articles.

Gal'perin, Ye.I., G.A. Krasil'shchikova, V.I. Mironova, and A.V. Frolova. Methods and Techniques of the Application of Stereographic Projections for the Solution of Spatial Problems in Geometric Seismics 3

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GOFMAN, Ye.A.; VUL'FOVICH, R.D.; LOGACHEVA, V.A.; POLOZOV, A.I.; BERZIN, B.O., kand. tekhn. nauk, inzhener-polkovnik v otstavke, red.; KOZLOVTSEV, V.A., red.; YAKIMOVICH, Yu.K., red.-leksikograf; KUZ'MIN, I.F., tekhn. red.

[German-Russian dictionary of armored force terms] Nemetsko-russkii avtobronetankovyi slovar'. Pod red. B.O.Berzina. Moskva, Voen. izd-vo M-va obor. SSSR, 1961. 487 p. (MIRA 14:8)
(German language--Dictionaries--Russian)
(Tanks (Military science)--Dictionaries)

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GARTUNG, Sergey Vasil'yevich; DUBKOV, Dmitriy Mikhailovich; POLUSHKIN, Aleksey Mitrofanovich; AVAYEV, S.A., retsenzent; GORODOV, K.I., retsenzent; KRYLOV, A.P., retsenzent; POLOZOV, A.I., retsenzent, [deceased]; SEDOV, D.A., retsenzent; LIUZNOV, A.G., redaktor; NEKRASOVA, O.I., tekhnicheskiy redaktor.

[Manual for engineers in textile industry] Spravochnik energetika tekstil'noy promyshlennosti. Moskva, Gos.nauchno-tekhn.izd-vo Ministerstva promysh.tovarov shirokogo potrebleniia SSSR. Vol. 1 [Electric engineering] 1955. 630 p. (MLRA 8:12)

(Electric engineering)

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POLOZOV, A. P.

Selecting the most chlorine-resistant points. A. P. Polozov and R. P. Govorova. *Mem. Inst. Chem. Tech. Acad. Sci. Ukrain. S. S. R.* No. 9, 211 [illegible] in Russian 235, in English 240 (1938). $PbSO_4$ showed a high resistance against wet and dry Cl. Addn. of 20% $BaSO_4$ will cause no harm. A further increase of $BaSO_4$ lowers the resistance. The use of $PbSO_4$, $BaCrO_4$ and $Ni_3(PO_4)_2$ with 40% $BaSO_4$ is recommended. Good acid-resistant films were also obtained from complex varnishes [illegible] lignite bitumen and phenol-aldehyde resins.

[illegible]

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POLOZOV, A. P.

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Raising the color stability of lithopone by a choice of binding and supplementary substances. A. P. Polozov and R. P. Goyorova. *Mem. Inst. Chem. Tech., Acad. Sci. Ukrain. S. S. R.* No. 9, 151–73(in Russian 174–5, in English 175–6)(1938).—Addn. of as little as 3% (by wt. of lithopone) of TiO_2, MgO and $Ca_3(PO_4)_2$ raises the color stability of lithopone in an oil medium. The sulfates of Co and Ni also raise the color stability and produce a greenish tinge. B. Z. Kamich

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POLOZOV, A. P.

Selecting the most chlorine-resistant paints. A. P. Polozov and R. P. Govorova. Mem. Inst. Chem. Tech., Acad. Sci. Ukrain. S. S. R. No. 9, 211-35 (in Russian 235, in English 236) (1938).--$PbSb_2O_6$ showed a high resistance against wet and dry Cl. Addn. of 20% $BaSO_4$ will cause no harm. A further increase of $BaSO_4$ lowers the resistance. The use of $PbSO_4$, $BaCrO_4$ and $Ni_3(PO_4)_2$ with 40% $BaSO_4$ is recommended. Good acid-resistant films were also obtained from complex varnishes contg. lignite bitumen and phenol-aldehyde resins. B. Z. Zamich

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B-II-9

Increasing the fastness of colour of lithopone by selection of binders and addition of other substances. A. P. Pylorov and R. P. Govorova (Mem. Inst. Chem. Ukrain. Acad. Sci., 1938, No. 9, 151—176).—Addition of 3% of TiO_2, MgO, or $Ca_3(PO_4)_2$ prevents dissolution of lithopones. $CoSO_4$ or $NiSO_4$ has a similar effect, but imparts a greenish tinge. Dissolution is least in direct sunlight and greatest in the dark. R. T.

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B-II-2

Stability of organic pigments with respect to factors affecting painted surfaces. A. P. Polonov and R. M. Langoshina (Mem. Inst. Chem. Tech. Ukrain. Acad. Sci., 1938, No. 9, 177—[illegible]).—

Suspensions in drying oils or cellulose nitrate lacquer of certain org. dyes were painted on various materials, and the dried films were exposed to sunlight, ultra-violet light, high temp., moisture, dry and moist O_2, and wind. Fading of colour was in all cases caused by the first two factors, and deterioration of the films by H_2O; the remaining factors had little effect. The rate of fading rose in the order: fabric, wood, Al-Mg, glass. R. T.

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B-II-5

Selection of chlorine-resistant paints. A. P. Polosov and B. P. Govorova (Mem. Inst. Chem. Tech. Ukrain. Acad. Sci., 1938, No. 9, 211—236).—. The greatest resistance to corrosion by wet or dry Cl_2 was found for mixtures of pigment 50, crude lignite bitumin 25, and Novoine resin or Aerolite 25%.

R. T.

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Stability of organic pigments in relation to the effect on the painted surfaces. A. P. Polozov and R. M. Lagoshna. *Mem. Inst. Chem. Tech., Acad. Sci. Ukrain. S. S. R.* No. 9, 177-207(in Russian 207-8, in English 208-9)(1938). Paints contg. org. pigments were applied on various surfaces and their stability was observed under the effects of sunlight, ultraviolet rays, high temp., moisture, dry and moist O. Sunlight and ultraviolet rays had the greatest fading effect. The other factors produced no substantial change. B. Z. Kamich

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Selecting the most chlorine resistant paints. A. F. Polozov and R. P. Govorova. *Mem. Inst. Chem. Tech., Acad. Sci. Ukrain. S. S. R.* No. 9, 211-35 in Russian 236, in English 236)(1938). $PbSb_2O_6$ showed a high resistance against wet and dry Cl. Addn. of 20% $BaSO_4$ will cause no harm. A further increase of $BaSO_4$ lowers the resistance. The use of $PbSO_4$, $BaCrO_4$ and Na_2PO_4 with 40% $BaSO_4$ is recommended. Good acid resistant films were also obtained from complex varnishes contg. lignite bitumen and phenol-aldehyde resins.

B. Z. Kamich

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Raising the color stability of lithopone by a choice of binding and supplementary substances. A. P. Polonoy and R. P. Gorovova. *Mem. Inst. Chem. Tech., Acad. Sci. Ukrain. S. S. R.* No. 9, 151-73(in Russian 174-5, in English 175-6) 1935. Addn. of as little as 3% by wt. of lithopone of TiO_2, MgO and $Ca_3(PO_4)_2$ raises the color stability of lithopone in an oil medium. The sulfates of Co and Ni also raise the color stability and produce a greenish tinge. B. Z. Kamich

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LUKIN, V. (Moskva); POLOZOV I., elektromekhanik (Gomel'skaya oblast') ZAMYATIN, K. (Sverdlovsk); NEYMAN, V. (Leningrad); GORBATYUK, S. (Grodno); BYKOV, L. (Moskva); SMIRNOV, B. (Gori); PEL'TSMAN I. (Leningrad)

Advices from experienced people. Za rul. 19 no. 2:14-15 F '61. (MIRA 14:4)

(Motor vehicles--Equipment and supplies)

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POLOZOV, I.T.

Uzbek S.S.R. Nauka i pered. op. v sel'khoz. 7 no.11:14-15 N '57.
(MLRA 10:11)

1. Glavnyy metodist pavil'ona "Uzbekskaya SSR" Vsesoyuznoy sel'skokhozyzystvennoy vystavki.
(Uzbekistan--Agriculture)

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ABDURAKHMANOV, A.; POLOZOV, I.T.; GAFT, M., spetsred.; BONDARENKO, M., red.; UMANSKIY, P., tekhred.

[Practices of participants in the Uzbekistan section of the All-Union Agricultural Exhibition] Opyt uchastnikov Vsesoiuznoi sel'skokhoziaistvennoi vystavki po Uzbekskoi SSR. Gos. izd-vo Uzbekskoi SSR, 1958. 78 p. (MIRA 12:1)
(Moscow--Agricultural exhibitions) (Uzbekistan--Agriculture)

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POLOZOV, I.T.; DEMIDOVA, E.V.

A well-known Kara-Kalpak cotton grower. Nauka i pered.op.v sel'khoz. 7 no.1:70-71 Ja '57. (MLRA 10:2)
(Kara-Kalpak--Cotton growing) (Musaev, Shamurat)

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POLOZOV, M.A.

Tree planting for truck protection from falling rocks.
Put' i put.khoz. 4 no.4:27-28 Ap '60.
(MIRA 13:7)

1. Starshiy inzhener proyektno-izyskatel'skogo otryada, Rostov-na-Donu.
(Railroads--Safety measures)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

POLOZOV, M.A.

Unresloved problems. Put' i put. khoz. no.3:34 Mr '59.
(MIRA 12:6)

1. Starshiy inzhener proyektno-izyskatel'nogo otryada, Rostov-na-Donu.
(Windbreaks, shelterbelts, etc.)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341830009-2

YEFIMOV, G.; DZHALALBEKOVA, L.A., redaktor; POLOZOV, N.D., redaktor; KORENYUK, Z.P., tekhnicheskiy redaktor

[Meetings with friends; in the Chinese People's Republic] Vestrechi s druz'iami; v Kitaiskoi Narodnoi Respublike. Leningrad, Gos.izd-vo detskoi lit-ry Ministerstva prosveshcheniia RSFSR, 1955. 191 p. (MLRA 8:10)
(China--Description and travel)

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POLOZOV, M.A. (Rostov-na-Donu)

Tree planting in water-logged soils. Put' i put'khoz. 3 no.3:16 '64. (MIRA 17:9)

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POLOZOV, P.

How we succeeded making our hotel profitable. Zhil.-kom. khoz. 3 no.6: 11-12 Je '53. (MLRA 6:7)

(Pskov--Hotels, taverns, etc.)

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POLOZOV, P. L., Cand Tech Sci — (diss) "Study of the process of cutting ~~wool~~ and determination of optimal parameters of the cutting apparatus of shearing machines, ~~of higher output.~~" Len, 1958. 16 pp (Min of Agriculture USSR, Turkmen Agr Inst), 150 copies (KL, 17-58, 109)

high output

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POLOZOV, P. N.

Tipy nesamokhodnykh sudov dlja Bol'shoi Volgi. [The types of non porpelled vessels for the Greater Volga.]. (Vodnyi transport, 1940, no 8, 0 p. 20-21).
DLC: HE 561.R8

SO: SOVIET TRANSPORTATION AND COMMUNICATION, A BIBLIOGRAPHY, Library of Congress, Reference Department, Washington, 1952, Unclassified.

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POLOZOV, P. N.

Skhema organizatsii perevozok i tipy sudov dlia Bol'shoi Volgi. [The organizational scheme of freight traffic and the types of vessels for the Greater Volga]. (Vodnyi transport, 1940, no. 7, p. 1-3). DLC: HE561. R8

SO: SOVIET TRANSPORTATION AND COMMUNICATION, A BIBLIOGRAPHY, Library of Congress, Reference Department, Washington, 1952, Unclassified.

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ROMANOV, Aleksandr Petrovich, inzh.; POLOZOV, P.S., red.; YEGOR'KOV, N.F., izd.red.; BELOGUROVA, I.A., tekhn.red.

[Organizing the maintenance of die-stamping equipment in sheet-metal working plants] Organizatsiia shtampovogo khoziaistva v tsekhakh kholodnoi shtampovki; stenogramma lektsii, prochitannoi v LDNTP na zaniatii seminara po kholodnoi shtampovke. Leningrad, 1960. 31 p. (MIRA 14:6)

(Dies (Metalworking))

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POLOZOV, V.

REVELIS, M., inzh.-metodist; POLOZOV, V., prepodavatel'.

Training engineers and technicians at the Leningrad Metals Plant. Sots.trud no.10:134-137 O '57. (MIRA 10:11)

1. Otdel tekhnicheskogo obucheniya Leningradskogo metallicheskogo zavoda (for Revelis). 2. Kafedra politekonomii Leningradskogo gosudarstvennogo universiteta im. Zhdanova (for Polozov).
(Leningrad--Turbines) (Technical education)

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Hydrogenation of β-naphthol to β-decalol. L. Lev and V. Polosov. *Khim. Tverdogo Topliva* 8, 484-90(1937).- Hydrogenation was carried out in an autoclave of 1-l. capacity provided with a stirrer and heated on an elec. furnace. β-Naphthol (Kahlbaum) was introduced into the autoclave, which, then, was filled with H_2 to 100 atm. and the system was heated to 230-50°. The following catalysts were used: NiO, NiO + CoO, same in the presence of Ca, Ni reduced from NiO in the autoclave, but the most active was NiO. The amt. of catalyst has an important influence on the hydrogenation; the best amt. is

about 25 g. The best yiled (62-5% of β-decalol was obtainted under the above conditions, using 25g. of NiO (total time of the process 5-8 min. The reaction proceeded through an intermediate stage of formation of tetralols. Because of the possibility of dehydration of the tetralols, the temp. requires exact regulation, and the app. should be provided with means for a rapid removal of heat because the reaction is strongly exothermic. Three references.

A.A. Podgorny

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Ca

72

Stabilization and desulfurization of shale gasolines. L. Lev, V. Polozov and R. Viktorov. *Khim. Tverdogo Topliva* 6, 438-48(1935).—The expts. were carried out in the presence of MoS_2 + ZnO and MoS_2 + cement catalysts at 50-400 atm. cold-H_2 pressure and 400° in a continuous app. The partial H_2 pressure (H_2/raw material ratio) has an effect on the final product and the duration of the reaction. The reaction velocity decreases with time. In the desulfurization a simultaneous hydrogenation of unsatd. compds. takes place, which lowers the octane no. of the final product. It is not recommended to use wide fractions, since the tail ends need a preliminary cracking before being hydrogenated. The losses amount to 5%. Characteristics of the original and final products are given and the process is described. Twelve references.

A. A. Boehtlinck

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CA

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Hydrogenation catalyst. V. Pologov and E. Feofilov. *Novosti Tekhniki* 1936, No. 30, 20.—Addn. of 20–5% of a portland cement to Mo sulfide catalyst increases its mech. stability. An aq. paste of this mixt. may be used for the prepn. of catalytic masses of various shapes. The use of an Fe frame for the paste increases the transfer and uniform distribution of heat. The method of the prepn. of Mo sulfide from Na_2S and Mo oxides by treatment with water for 24 hr. and acidifying with dil. H_2SO_4, is worked out.

A. A. Podzorny

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Bt

B-I-3

Stabilization and desulphurization of shale gasolines. L. Lev, V. Polozov, and E. Vikyorov (Chim. Tverd. Topl., 1955, 6, 438—446).—Experiments with MoS_2 + ZnO and MoS_2 + cement catalysts at 400°/50—400 atm. are described. In the desulphurization there is a simultaneous hydrogenation of unsaturated compounds which lowers the C_6H_{12} no. of the product.

Ch. Abs. (e)

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BC

B-2-1

Contact poisons in the hydrogenation of ethylene. S. B. Anisimov and V. F. Polosov (J. Appl. Chem. Russ., 1938, 11, 297—301).—MoS_2 catalyst is inactivated by NH_3 or C_5H_5N. HCl lowers the activity of MoS_2 or Ni, but raises that of Cr_2O_3. R. T.

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PROCESSES AND PROPERTIES INDEX

10

The mechanism of the destructive hydrogenation of tetralin. S. B. Anisimov and V. F. Puhosov. *J. Gen. Chem.* (U. S. S. R.) 6, 1847-54(1936).—Tetralin (I), subjected to destructive hydrogenation in a 2.5-l. electrically heated, rotated Cr-Ni steel autoclave under high H pressure (50 atm. initial pressure) and temps. of 420-60°, gives a variable mixt. of decompn. products depending on the exptl. conditions. Activated $SiO_2.WO_3$ is an excellent catalyst for the reaction but its activity steadily decreases. The amt. of C_6H_6 formed increases with elevation of the exptl. temp. and with time. The formation of gases is very marked at 480°, attaining a max. of 30%. The amt. of naphthene hydrocarbons increases with decrease in temp. Both elevation of temp. and prolonged heating favor an increased formation of low-boiling fractions. Oxidation with alk. $KMnO_4$ of the higher-boiling fractions, obtained with $SiO_2.WO_3$ as catalyst, to yield only $BzOH$ and a small amt. of $(CO_2H)_2$ indicates that the decompn. of I above 400° proceeds thus I → PhBu (II) → PhEt → PhMe. Failure to isolate phthalic acid from the oxidation mixt. indicates that o-xylene is not formed. This agrees with Hall's conclusions (C. 1. 27, 5176°). Use of VCl_4, $AlCl_3$, $HgCl_2$ and $BiCl_3$ as catalysts and a temp. of 450° results in the isomerization of II first formed to the 1,2,3,5- and 1,2,4,5-isomeric tetramethylbenzenes, isodurene (III) and durene. The formation of III predominates as shown by oxidation to 1,2,3,5-$C_6H_2(CO_2H)_4$ (mellophanic acid), m. 236° (decompn.); tetra-Me ester, m. 123-32°. The presence of small amts. of decalin, methylhydrindene, $C_9H_8Me_2$, and o-xylene in the decompn. mixt. is also indicated.

John Livak

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

BC

B-II-1

Conjugated hydrogenation of cresols and naphthalene. Hydrogenating a mixture of naphthalene and cresols. N. A. Kliukvin, V. F. Polosov, and I. I. Lobus (Khim. Tverd. Topl., 1934, 5, 357—372).—The optimum conditions for the use of NH_4 molybdate and phosphomolybdate catalysts are discussed; a process for the recovery of the catalyst is described.

Ch. Abs. (r)

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B-II-1

Bc

Hydrogenation of phenol to cyclohexanol. V. F. POLOSOV. (Chim. Tvord. Topl., 1936, 6, 78—83).—Experiments with various catalysts are described.

CH. ABS. (7)

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