"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, V.; FIALA, L.; KRTICKA, Z.

Prevention of spinal abnormalities in school and preschool children. Cesk. pediat. 16 no.10:932-934 O '61.

1. Ortopedicka oddeleni OUNZ Pardubice.

(POSTURE)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vaclav

Growth dynamics of the hand in youth. Cesk. hyg. 7 no.2/3:112-116 '62.

1. Ustav hygieny, Praha.
(HAND in adolescence) (GROWTH in adolescence)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, V.; GLIVICKY, V.; VANECKOVA, M.

The strength of dorsal musculature in relation to the age and physical parameters. Cesk. hyg. 7 no.2/3:142-144 '62.

1. Ustav hygieny Praha, Vyzkumny ustav telovychovny Praha.
(MUSCLES physiology) (AGING physiology)
(PHYSICAL FITNESS in adolescence)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vaclav

Relative length of the hand in growing adolescents. Pracovni lek. 14 no.5:244-248 Je '62.

1. Ustav hygieny v Praze, reditel doc. MUDr. K. Symon.
(ANTHROPOMETRY) (HAND)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

CERNA, Vera, PhMr.; BENES, Vaclav, MUDr.

Residua of DNOK after defoliation of potato tops. Rost vyroba 10 no.8:835-840 Jl '64

1. Institute of Hygiene, Prague.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

CHRBOLKA, Jaroslav; BENES, Vaclav, doc. MUDr.

Problems of evaluating model enterprises. Prace mzda 12 no.12: 551-557 D '64.

1. Faculty of Medicine and Hygiene of the Charles University, Prague (for Benes). 2. State Research Institute of Economics and Organization of the Ministry of Social Welfare, Prague (for Chrbolka).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir, MUDr

Phantom imaginations and pains of paraplegics. Rozhl.chir. 34 no.4:239-246 Apr 55.

1. Chirurgicke oddeleni UVN v Praze
(PARAPLEGIA, manifestations
phantom pains in lower extremities, pathol.)
(SPINAL CORD, wounds and injuries
phantom imagination of movement, pathol. & diag. value)
(WOUNDS AND INJURIES
spinal cord inj. with phantom imagination of movement, pathol. & diag. value)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir, MUDr.

Death as a result of boxing. Cesk. neur. 19 no.3:167-170 Aug 56.

(ATHLETICS, wounds and inj.
in boxing, fatal case (Cz))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir, As., MUDr.

A new rotating bed. Rozhl. chir. 35 no.6:396-397 June 56.

1. UVN, chir. odd., nacelnik doc. dr. E. Kunc, Praha.
(NURSING CARE
new rotating bed, design (Cz))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir

Treatment of pressure on the spinal cord from destructive extradural processes. Roshl. chir. 35 no.11:653-658 Oct 56.

1. Z neurochirurgickeho odd. Ustredni vojenske nemocnice v Praze.

(SPINAL CORD, dis.
compression by extradural neoplasms, surg. (Cz))
(SPINE, neoplasms
causing compression of spinal cord, surg. (Cz))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vl., As., Dr.; VOJTA, Vaclav, Dr.

Notes on the diagnosis and treatment of chronic subdural extravasation in children. Cesk. neur. 20 no.1:44-47 Feb 57.

1. Ustredni voj. nem. neurochirurgicke oddeleni, prednosta doc. Dr. Z. Kunc Neurologicka klinika K.U. v Praze, prednosta akademik prof. K. Henner, detske oddeleni.
(DURA MATER, dis.
subdural extravasation, chronic, in child., diag. & ther. (Cz))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir; DRAHOVAL, Hypolit

Advantages and disadvantages of ventriculography. Cesk.neur. 20 no.4: 277-282 June 57.

1. Neurochirurgicke odd. Ustredni vojenske nemocnice Praha, prednosta doc. Dr. Zdenek [illegible]
([illegible]
advantages & disadvantages (Cz))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir

Present state of spinal cord injury treatment & its perspectives. Cesk. neur. 21 no.2:115-123 Mar 58.

1. Neurochirurgicke oddeleni Ustredni voj. nemocnice v Praze, predmosta: doc. dr Zdenek Kunc.

(SPINAL CORD, wds. & inj.
surg., review (Cz))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir; FUSEK, Ivo

Experience in the surgical treatment of glioblastoma multiforme.
Cesk.neur.23 no.6:385-395 O'60.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. MUDr. Zdenek Kunc.
(GLIOBLASTOMA MULTIFORME surg)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

VORREITH, Milos; BARES, Ludek; HENES, Vladimir; VANCURIK, Josef

Candidiasis of the central nervous system diagnosed by a bioptic test. Cas.lek.cesk 100 no.31:966-971 4 Ag '61.

1. Patologickoanatomicke odd. UVN v Praze, nacelnik pplk. MUDr. M. Vorreith, neurologicke odd. nemocnice OUNZ v Rumburku, prim. MUDr. L. Bares, neurochirurgicka klinika KU v Praze, prednosta gen. prof. MUDr. Z. Kunc a Vojensky ustav hygieny, epidemiologie a mikrobiologie, nacelnik pplk. MUDr. Z. Vlasak.

(MONILIASIS diag) (BRAIN dis)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vl.

Contribution to surgical therapy of craniopharyngiomas. Cesk. neurol. 25 no.5:305-312 S '62.

1. Neurochirurgicka klinika fak. vseob. lek. KU v Praze, prednosta prof. dr. Z. Kunc.

(CRANIOPHARYNGIOMA)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir

Traumatic shock in brain injuries. Rozhl. chir. 41 no.1:28-31 Ja '62.

1. Neurochirurgicka klinika FVL KU v Praze, prednosta prof. dr. Zdenek Kunc.
(BRAIN wds & inj) (SHOCK etiol)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

DENES, Vl.; SOUREK, K.

A new method for the application of dressing to the scalp in head surgery. Rozhl. chir. 41. no.9:631-632 S '62.

1. Neurochirurgicka klinika fak. vseob. lek. KU v Praze, prednosta prof. dr. Zd. Kunc.

(SCALP) (HEAD)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, V.; VLADYKOVA, J.

Transcranial approach in surgery of orbital tumors. Cesk. oftal. 19 no.4:217-226 Jl '63.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. Z. Kunc, DrSc. Ocni oddeleni UVN v Praze, vedoucí doc. dr. V. Jensi.
(ORBITAL NEOPLASMS) (EYE NEOPLASMS)
(SURGERY, OPERATIVE)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

[illegible]

[illegible] Vladim [illegible], MD, [illegible] Clinic of [illegible] Hospital (Chirurgicka Klinika [illegible]) [illegible] Dr [illegible]

"[illegible] the Cervical Spine and Vertebrae [illegible] Diving."

[illegible], Vol [illegible], [illegible]-423.

[illegible] to divers [illegible], including [illegible] cases. [illegible] 2 cases discussed in detail, [illegible] was partly [illegible] progressive [illegible] caused death [illegible] progressive [illegible] Illustrations of [illegible]

[illegible]

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

KUNC, Z.; BENES, V.

Anterior surgical approach to the cervical spine. Rozhl. chir. 43 no.10:649-657 O '64.

1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze, (prednosta prof. dr. Z. Kunc. DrSc.).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

HALACKA, K.; BENES, V.; GORNER, F.

On the problem of contaminating food additives in the C.S.S.R. Cesk. hyg. 10 no.3:175-183 My '65.

1. Katedra hygieny a epidemiologie lekarske fakulty University J.E. Purkyne, Brno; Ustav hygieny Praha a Katedra chemie a technologie potravin, Slovenska vysoka skola tehnicka, Bratislava. 2. K. Halacka's address: Brno, tr. Obrancu miru 10. 3. V.Benes' address: Praha 10, Srobarova 48.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, V.; CERNA, V.

Contribution to the problem of Dipterex residues. Cesk. hyg. 10 no.3:209-212 My '65

1. Ustav higieny, Praha.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir

Turbidity identification of bottled natural wine. Kvasny prum 9 no.4:86-89 Ap '63.

1. Vyzkumne pracoviste Vinarskych zavodu, n.p., Praha.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Vladimir; KRUMPHANZL, Vladimir

Stabilization of wine with metatartaric acid and its preparation. Kvasny prum 10 no.11:258-261 N '64.

1. Research Worksite of the Vinarske zavody, Prague (for Benes). 2. Higher School of Chemical Technology, Prague (for Krumphanzl).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Z.

[illegible]; [illegible], I.

"Metallic Manuperators Using the Heat Radiation of Blue Gases" (To Be Cont'd), p. [illegible], ([illegible], Vol. 7, No. [illegible], August 1954, [illegible], Hungary)

SO: Monthly List of East European Accessions ([illegible]), [illegible], Vol. [illegible], No. [illegible], March 1955, Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Z.

[illegible], M.; [illegible], I.

"Metallic Recuperators Using the Heat Radiation of Flue Gases", p. 257, ([illegible], Vol. 7, No. 9, September 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

[illegible], [illegible].

"Improvement of Chemicals and Other Problems of Flow in the Process of Softening Water with Quicklime", p. 501, ([illegible], Vol. 9, No. 12, November 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAI), LC, Vol. [illegible], No. 3, March 1955, Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

GORENYI, Emil, okleveles gepeszmernok; MAROSI, Jozsef; BENES, Zoltan, okleveles gepeszmernok; ALMADI, Jozsef; FAKUS, Vendel; BENCZE, Laszlo; PORA, Ferenc; KOVACS, Lajos; PONGRAC, Vladimir; DOBOS, Imre

Results obtained in developing gas appliances used in the heavy industry. Energia es atom 18 no.1,55-60 Ja '65.

1. Combustion Engineering Research Institute of the Ministry of Metallurgy and Machine Industry (for Gorgenyi). 2. National Petroleum and Gas Industry Trust, Budapest (for Benes). 3. Ministry of Heavy Industry, Budapest (for Kovacs).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENES, Zoltan, okleveles gepeszmernok

Present state of manufacturing household and other gas appliances. Energia es atom 18 no.1:47-48 Ja '65.

1. National Petroleum and Gas Industry Trust, Budapest.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

OERIU, I.; BENESCH, H.

Derivatives of thiourea with potential tuberculostatic activity. Note III. Studii cerc chim 9 no.2:343-349 '61.

1. Colectivul de chimioterapie al Academiei R.P.R., Bucuresti.

(THIOUREA) (MYCOBACTERIUM TUBERCULOSIS)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

OERIU, S., acad.; MOGA, V.; BENTESCU, L.; BENDSCH, H.; CRACEA, M.; TEODORESCU, O.

Obtainment of tuberculostatic products. Note II. Correlations between the chemical and physicochemical properties, the biological structure and properties of certain products obtained from the resins of Coniferae. Rev chimie 6 no.1:159-174 '61.

1. Collectif de chimiotherapie de l'Academie de la R.P.R., Bucarest.
2. Membre correspondant de l'academie de la R.P.R. (for Oeriu)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESH, I. [Benes, J.]; KAPLAN, G.

Thermal oxidative degradation of -irradiated polypropylene. Vysokom. soed. 5 no.10:1580-1584 O '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut vysokomolekulyarnoy khimii, Brno, Chekhoslovatskaya Sotsialisticheskaya Respublika i Voyennaya Akademiya imeni A. Zapototskogo, Brno, Chekhoslovatskaya Sotsialisticheskaya Respublika.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

L 29378-66 EWT(1) GW

ACC NR: AP6018386 SOURCE CODE: UR/0011/66/000/006/0046/0054

AUTHOR: Benesh, K.

ORG: Mining Institute, Ostrava, Czechoslovakia (Gornyy institut)

TITLE: Tectonic situation of Ptolemaeus and Alphonsus lunar structures and their surroundings

SOURCE: AN SSSR. Izvestiya. Seriya geologicheskaya, no. 6, 1966, 46-54

TOPIC TAGS: selenology, [redacted], lunar surface, moon, [redacted]

ABSTRACT: The results of morphotectonic studies of the polygonal structures of Ptolemaeus and Alphonsus are presented. Particular attention is paid to the relationship between the selenotectonic regime and style and the forms of subsidence in individual regions of the Moon. The Ptolemaeus-Alphonsus region shows a NW- to SE-oriented tectonic system very clearly, to which the following events are related: 1) formation of the axial ridge at the bottom of Alphonsus (and, evidently, of its central peak); 2) development of platform volcanism (formation of aspidate volcanoes on the bottom of Alphonsus in the form of dark spots); 3) clearly marked disruption of the southeastern and northwestern parts of the Alphonsus and Ptolemaeus wall (and of other structures, such as those of Gylden and Reaumur, etc); 4) appearance of a

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ACC NR: AP6018386

fissure in the Gylden crater, and other fissures; 5) considerable strain in the lunar crust. On the basis of morphotectonic analysis, it is possible to establish the age of individual structures relative to tectonic systems. Thus, the Herschel crater, showing no traces of the tectonic disruption of system I, appears to be much younger than that system from the selenohistorical point of view, while Ptolemaeus, Alphonsus, Gylden, and Reaumur are among the more ancient structures. Orig. art. has: 8 figures. [JJ]

SUB CODE: 03/ SUBM DATE: 31Mar65/ OTH REF: 004/ SOV REF: 003/ ATD PRESS: 5008

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APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESCH, R.; MAZANEK, E.

Ferrocoke. p. 29. (Hutnik, Vol. 24, No. 2, Mar 1957, Katowice, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

MAZANEK, Eugeniusz, Dr.Inz.; JANOWSKI, Jan, Mgr.Inz.; BENESCH, Ryszard, Mgr.Inz.

Technical basis of the oxygen process as used in blast furnaces of Lenin Ironworks. Huta Lenian prace no.9:3-23 My '61.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

JANOWSKI, Jan, dr inz.; BENESCH, Fyszard, dr inz.

Influence of oxidizing roasting on the properties of Czestochowa siderite ore. Huta Lenina prace no.13:3-18 '63.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESCH, Ryszard, dr inż.; JANOWSKI, Jan, dr inż.; CZERNICHOWSKI, Krystian, mgr inż.

Problems of reaction kinetics of reducing silicon from blast furnace slags. Hutnik P 31 no.1/2:38-41 Ja-F'64

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESCH, Ryszard; JANOWSKI, Jan; DELEKTA, Jerzy

Determination of the optimum conditions for viscosity measurements of metallurgic slags. Archiw hutn 9 no. 1:103-121 '64.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

MAZANEK, Eugeniusz, doc. dr inz.; JANOWSKI, Jan, mgr inz.; BENESCH, Ryszard, mgr inz.

Economic justification of the usefulness of applying oxygen to furnace blasting. Hutnik P 28 no.12:443-455 D '61.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESCH, Ryszard; JANOWSKI, Jan

Accuracy analysis of the results of measurements of slag viscosity. Archiw hutn 9 no.3:305-319 '64.

1. Department of Pig Iron Metallurgy, School of Mining and Metallurgy, Krakow.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

ACCESSION NR: AT4008636 S/3039/63/000/000/0118/0125

AUTHOR: Soshka, Y.; Benesh, L.; Drashil, V.; Karpfel, Z.; Palechek, E.; Skalka, M.

TITLE: Significance of free deoxyribonucleotides at the onset of radiation injuries

SOURCE: Pervichny*ye i nachal'ny*ye protsessy* biologicheskogo deystviya radiatsii. Moscow, 1963, 118-125

TOPIC TAGS: radiation injury, deoxyribonucleic acid, deoxyribonucleotide, deoxycytidylic acid, thymidylic acid, bone marrow mitotic index, mitotic index, irradiation, deoxyadenylic acid, deoxynucleotide, nucleoside, nucleotide, ribonucleoside, ribonucleotide

ABSTRACT: After a short description of their earlier work on the beneficial effect of certain deoxyribonucleotides on the course of radiation sickness in animals, the authors describe their experience with the use of some of these compounds in radiation injuries. When injected into mice at doses equivalent to 0.3 mg of desoxycytidylic acid (DCMP) 24 hours after irradiation with 500r, only DCMP, thymidylic acid (TMP), and deoxyadenylic acid showed a statistically significant beneficial effect on the bone marrow mitotic index. Further, DCMP and TMP stimulated the synthesis of DNA in the bone marrow of irradiated guinea pigs in vitro. Deoxycytidine and thymidine were also active, but to a lesser

Card 1/3

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extent. Fresh chick embryo extract increased DNA synthesis by 86%, and an extract of embryonic tissue prepared with 0.6 perchloric acid was also active. Further fractionation of the perchloric acid extract showed that the fraction containing triphosphate was most active followed by fractions containing the mono- and tetraphosphates. Further experiments in which the bone marrow of irradiated animals was incubated with P^{32} or formate-C^{14} and nucleotides showed with the aid of autoradiography, that P^{32} uptake in reticular cells was increased 2 to 5 times in the presence of DCMP compared to 3 times in non-irradiated animals. The uptake or incorporation of formate-C^{14} was also twice as great. However, in the presence of thymidylate, only P^{32} was incorporated and the incorporation of formate-C^{14} into DNA was decreased. DCMP normalized both the adenine/thymine (A/T) and guanine/cytosine (G/C) ratios, while TMP changed only the G/C ratio. Since it was assumed that the nucleotides which stimulate DNA synthesis in irradiated animals may serve as precursor of DNA, experiments were carried out with the spleens of irradiated rats. For several hours after a dose of 600r the level of deoxynucleotides and nucleosides in the spleen remained above normal, falling below normal only after 24 hours. In order to avoid the heterogeneity and variability of splenic tissue, experiments were then performed with regenerating rat liver, rats being irradiated (600r) either 1-2 hours after or 24 hours before hepatectomy. These results showed that, although irradiation alone, like hepatectomy, increased the level of deoxynucleotides and nucleoside in the liver, irradiation prevented the increase in deoxynucleotides (but not that in deoxynucleosides) usually following

Card 2/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

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hepatectomy. There were no marked differences in the content of polymeric DNA or in U.V.-absorbing (at 260 mμ) acid-soluble compounds between the animals subjected to hepatectomy, hepatectomy and irradiation, or irradiation alone, and controls. Paper chromatographic analysis of the various nucleic acid components showed the absence of purine deoxynucleotides. The authors conclude that the principal effect of irradiation is on DNA synthesis rather than on its polymerization. Orig. art. has: 2 figures and 5 tables.

ASSOCIATION: Institut biofiziki Chekhoslovatskoy AN, Brno. (Institute of Biophysics of the Czechoslovak AN).

SUBMITTED: 00 DATE ACQ: 20Dec63 ENCL: 00

SUB CODE: . IS NO REF SOV: 000 OTHER: 012

Card 3/3

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

ACC NR: AP6007153 SOURCE CODE: UR/0108/66/021/002/0051/0054

AUTHOR: Benesh, O. (Prague); Zima, I. (Prague)

ORG: Scientific Research Institute of Radio, Prague (NIIR im. A. S. Popova)

TITLE: Solid-state diode detector

SOURCE: Radiotekhnika, v. 21, no.2, 1966, 51-54

TOPIC TAGS: diode detector, solid state detector, miniature detector

ABSTRACT: The development of a miniature 450-kc semiconductor-diode AM detector is reported. The detector load resistance is 5 kohms; capacitance, 10^4pF. A 0.2-mm diameter diode is made from p-Si having a resistivity of 1 ohm.cm. Production process and testing of the detector are described. These characteristics are reported: modulated-voltage transfer factor, 0.53; nonmodulated-voltage transfer factor, 0.285; voltage gain near the operating point, 0.965; transconductance, 2.32 ma/v; internal resistance, 445 ohms; second-harmonic distortion factor, 7.35%. R-f voltage attenuation, detecting factor, and some other characteristics are also presented. Orig. art. has: 10 figures and 1 formula. [03]

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S/044/62/000/002/086/092
C111/C333

AUTHOR: Benesh, Vaclav Edvard

TITLE: Weakly Markov queues

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1962, 74-75, abstract 2V428. ("Trans. 2nd Prague Conf., Liblice, 1959". Prague, 1960, 9-25)

TEXT: The paper is one of the few attempts to generalize the model of the theory of queues to input flows and service times of possibly general type; here the results of the article of Benesh (RZh Mat, 1961, 7V181) are essentially used. The behavior of a service system with one queue can be characterized by a random function K(t) which discontinuously increases in the moment of receipt of the current signal call, where the magnitude of the jump is equal to the time which is necessary for the service of the incoming signal call. It is assumed that almost all trajectories are continuous from the left and continuous between the points of discontinuity, while the jump points possess no finite points of accumulation. If W(t) is the waiting time for the signal call enterred in the moment t, then

$$W(t) = K(t) - t + \int_0^t U[-W(u)]\,du, \quad t > 0,$$

Card 1/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

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where $U(x) = 1$, $x \geq 0$, $U(x) = 0$, $x < 0$. Thus the problem of describing the distribution of $W(t)$ with the aid of $K(t)$ arises. This problem is solved under the assumption that $P\{K(t) - K(u) \leq w \mid W(u) = 0\}$ is a function of w and $t - u$ (condition for weak stationary state). The condition of the weak Markov property expresses that

$$P\{K(t) - K(u) \leq w \mid z(\omega) = u\} =$$

$$= P\{K(t) - K(u) \leq w \mid W(u) = 0\}$$

for all t and almost all u relative to the distribution function of the first vanishing of $W(t)$, where $z(\omega) = u$ is the σ-algebra generated by the events $W(s) = 0$, $s \leq u$. The author proves the following

Theorem: Let $K(t)$ satisfy the conditions of the weak stationary state and the weak Markov property, let

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$$\overline{\lim_{x\to\infty}} \frac{1}{x} \ln M(M(x) \mid W(0) = 0) = 0,$$

$$P\left\{\overline{\lim_{t\to\infty}} \frac{K(t)}{t} < 1 \mid W(0) = 0\right\} > 0,$$

$$\overline{\lim_{\substack{t\to\infty,\\ h\to 0}}} [g_s(t) - g_{s+h}(t)] = 0, \quad s > 0,$$

where $M(x)$ is the moment of the first intersection of the level x through the random process $K(t)$ and

$$g_s(t) = \frac{1}{t} \ln \left\{ \int_0^\infty M\{e^{-sK(u)} \mid W(0) = 0\}\, du \right\} .$$

Then

$$\int_0^\infty e^{-\tau t} P\{W(t) = 0\}\, dt = \frac{Ne^{-\tau z}}{s(\tau)} ,$$

where z is the first zero of $W(t)$ and $s(\tau)$ the unique positive root of

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C111/C333

Weakly Markov queues

the equation $\tau - s = a(s)$

$$a(s) = \overline{\lim_{t \to \infty}} \sup \frac{1}{t} \ln \left\{ \int_{\tau}^{\infty} M\left\{ e^{-sK(u)} \,\middle|\, W(0) = 0 \right\} du \right\} .$$

[Abstracter's note: Complete translation.]

Card 4/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHCHEVICH, Ivan Ivanovich, kand. tekhn.nauk, dots.; LOMIDZE, G.I., red.

[Principles of the design of contactless remote-control devices; manual on a course in "Principles of automatic control, automation, and remote control of electric power supply systems" for fourth-year students of "Railroad electrification"] Printsipy postroeniia beskontaktnykh telemekhanicheskikh ustroistv; uchebnoe posobie po distsipline "Osnovy avtomatiki i avtomatizatsii i telekupravleniia ustroistvami Energosnabzheniia" dlia studentov VI kursa spetsial'nosti "Elektrifikatsiia zheleznodorozhnogo transporta." Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transp., 1964. 44 p. (MIRA 17:12)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHEVICH, I. I.

"Influence of the Paramenters and the Mode of Operation in Electric Rail-Roads with Battery Car Transport on the Principal Structure of Automation Devices." 28 June '50.

Dissertation for the Degree of a Cand. Tech. Sci. at the Moscow Electomechanical Inst. of Railroad Traffic Engineers.

Official opponents were: Dr. of Tech. Sci., Prof. V. B. Medel' and Engineer L. M. Pertsovskiy.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHEVICH, I.I., kandidat tekhnicheskikh nauk.

Selection of initial conditions in planning automatic feeder installations. Trudy MEMIIT no.63:166-184 '53. (MLRA 7:12)
(Electric railroads--Substations)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHEVICH, I.I., kandidat tekhnicheskikh nauk; BOGIN, N.N., kandidat tekhnicheskikh nauk; BYKOV, Ye.I., inzhener; VLASOV, I.I., kandidat tekhnicheskikh nauk; GRITSHEVSKIY, M.Ye., inzhener; GRUBER, L.O., inzhener; GURVICH, V.G., inzhener; DAVYDOV, V.N., inzhener; YER-SHOV, I.M., kandidat tekhnicheskikh nauk; ZASORIN, S.N., kandidat tekhnicheskikh nauk; IVANOV, I.I., kandidat tekhnicheskikh nauk; KRAUKLIS, A.A., inzhener; KROPOV, L.B., inzhener; LAPIN, V.B., inzhener; LASTOVSKIY, V.P., dotsent; LAPUNIN, N.I., inzhener; MARKVARDT, K.G., professor, doktor tekhnicheskikh nauk; MAKHAYLOV, M.I., professor, doktor tekhnicheskikh nauk; NIKANOROV, V.A., inzhener; OSKOLKOV, K.N., inzhener; OKHOSHIN, L.I., inzhener; PARFENOV, K.A., dotsent, kandidat tekhnicheskikh nauk; PERTSOVSKIY, L.M., inzhener; POPOV, I.P., inzhener; POROHNEV, B.G., inzhener; RATNER, M.P., inzhener; ROSSIYEVSKIY, G.I., dotsent, kandidat tekhnicheskikh nauk; RYKOV, I.I., kandidat tekhnicheskikh nauk; RYSHKOVSKIY, I.Ya., dotsent, kandidat tekhnicheskikh nauk; RYABKOV, A.Ya., professor [deceased]; TAGER, S.A., kandidat tekhnicheskikh nauk; KHAZEN, M.M., professor, doktor tekhnicheskikh nauk; CHERNYSHEV, M.A., doktor tekhnicheskikh nauk; SHIN, L.Ye., professor, doktor tekhnicheskikh nauk; YUGENEV, S.N., dotsent; AKSENOV, I.Ya., dotsent, kandidat tekhnicheskikh nauk; ARKHANGEL'SKIY, A.S., inzhener; BARTENEV, P.V., professor, doktor tekhnicheskikh nauk; BERNGARD, K.A., kandidat tekhnicheskikh nauk; BONDOV, N.Ye., dotsent, kandidat tekhnicheskikh nauk; BOGDANOV, I.A., inzhener; BOGDANOV, N.K., kandidat tekhnicheskikh nauk; VIRNICHENKO, N.G., dotsent, kandidat ekonomicheskikh nauk;

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHEVICH, I.I.----(continued) Card 2.

VASIL'YEV, V.F.; GONCHAROV, N.G., inzhener; DERIBAS, A.T., inzhener; DOBROSEL'SKIY, K.M., dotsent, kandidat tekhnicheskikh nauk; DLUGACH, B.A., kandidat tekhnicheskikh nauk; YEFIMOV, G.P., kandidat tekhnicheskikh nauk; ZEMBLINOV, S.V., professor, doktor tekhnicheskikh nauk; ZABELLO, N.L., kandidat tekhnicheskikh nauk; IL'IN, K.P., kandidat tekhnicheskikh nauk; KARENNIKOV, A.D., kandidat tekhnicheskikh nauk; KAPLUN, Z.Sh., inzhener; KANSHIN, M.D.; KOCHNEV, P.P., professor, doktor tekhnicheskikh nauk; KOGAN, L.A., kandidat tekhnicheskikh nauk; KUGHURIN, S.F., inzhener; LEVASHOV, A.D., inzhener; MAKSIMOVICH, B.M., dotsent, kandidat tekhnicheskikh nauk; MARTYNOV, M.S., inzhener; MEDEL', G.M., inzhener; NIKITIN, V.D., professor, kandidat tekhnicheskikh nauk; PADNYA, V.A., inzhener; PANTELEYEV, P.I., kandidat tekhnicheskikh nauk; PETROV, A.P., professor, doktor tekhnicheskikh nauk; POVOROZHENKO, V.V., professor, doktor tekhnicheskikh nauk; PISKAREV, I.I., dotsent, kandidat tekhnicheskikh nauk; SEMONYEV, Ye.S., kandidat tekhnicheskikh nauk; SIMONOV, K.S., kandidat tekhnicheskikh nauk; SIMANOVSKIY, M.A., inzhener; SUYAZOV, I.G., inzhener; TAIDAYEV, F.Ya., inzhener; TIKHONOV, K.K., kandidat tekhnicheskikh nauk; USHAKOV, N.Ya., inzhenr; USPENSKIY, V.K., inzhener; FEL'DMAN, N.D., kandidat tekhnicheskikh nauk; FEDAPONTOV, G.V., inzhener; KHOKHLOV, L.P., inzhenr; CHERNOMORDIK, G.I., professor, doktor tekhnicheskikh nauk; SHAHAYEV, N.P., inzhener; SHAFIRKIN, B.I., inzhener; YAKUSHIN, S.I., inzhener; GRANOVSKIY, P.G., redaktor; TISHCHENKO, A.I., redaktor; ISAYEV, I.P., dotsent, kandidat tekhnicheskikh nauk, redaktor; KLIMOV, V.F., dotsent kandidat tekhnicheskikh

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BENESHEVICH, I.I.--- (continued) Card 3.

nauk, redaktor; MARKOV, N.V., inzhener, redaktor; KALIHIN, V.K., inzhener, redaktor; STEPANOV, V.E., professor, redaktor; SIDOROV, N.I., inzhener, redaktor; GERONIMUS, B.Ye., kandidat tekhnicheskikh nauk, redaktor; ROBEL', R.I., otvetstvennyy redaktor

[Technical reference manual for railroad engineers] Tekhnicheskii spravochnik zheleznodorozhnika. Moskva, Gos. transp.zhel-dor. izd-vo. Vol.10. [Electric power supply for railroads] Energosnabzhenie zheleznykh dorog. Otv.red. toma K.G.Markvardt. 1956. 1080 p. Vol.13. [Operation of railroads] Ekspluatatsiia zheleznykh dorog. Otv. red. toma R.I.Robel'. 1956. 739 p. (MLRA 10:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Petrov)
(Electric railroads) (Railroads--Management)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

Beneshevich, I. I.

BOGDANOV, Aleksandr Vasil'yevich; MAYOROV, Viktor Konstantinovich; PROKOPOVICH, Viktor Pavlovich; BENESHEVICH, I.I., kandidat tekhnicheskikh nauk, redaktor; STIKHNO, T.V., tekhnicheskiy redaktor

[Remote control of railroad junction transformer substations] Teleupravlenie transformatornymi podstantsiiami zheleznodorozhnykh uzlov. Moskva, Gos.transp.zhel-dor. izd-vo, 1957. 128 p. (MIRA 10:8)
(Remote control) (Railroad--Electric equipment)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

ZAKHARCHENKO, D.D,dotsent, kandidat tekhnicheskikh nauk; ISAYEV, I.P., dotsent, kandidat tekhnicheskikh nauk; KALININ, V.K.,inzhener; KREST'YANOV, M.Ye.,dotsent, kandidat tekhnicheskikh nauk; LAKSHTOVSKIY, I.A.,dotsent, kandidat tekhnicheskikh nauk; MARKVARDT, K.G.,professor, doktor tekhnicheskikh nauk; MEDEL', V.B., professor, doktor tekhnicheskikh nauk; MIRONOV, K.A.,inzhener; MIKHAYLOV, N.M.,dotsent, kandidat tekhnicheskikh nauk; NAKHODKIN, M.D., dotsent, kandidat tekhnicheskikh nauk; OZEMBLOVSKIY, Ch.S., inzhener; OSIPOV, S.I.,inzhener; ROMASHKOV, S.G.,inzhener; SOKOLOV, L.S.,inzhener; FAMINSKIY, G.V.,kandidat tekhnicheskikh nauk; SHATSILLO, A.A.,inzhener; SHLYAKHTO, P.N.,dotsent, kandidat tekhnicheskikh nauk; BOVE, Ye.G.,kandidat tekhnicheskikh nauk, retsenzent; FERTSOVSKIY, L.M.,inzhener, retsenzent; ALEKSEYEV, A.Ye.,professor, doktor tekhnicheskikh nauk, retsenzent; BATALOV, N.M.,inzhener, retsenzent; VINBERG, B.N.,inzhener, retsenzent; GRACHEVA, L.O., kandidat tekhnicheskikh nauk, retsenzent; YEVDOKIMOV, A.M., inzhener, retsenzent; KALININ, S.S.,inzhener, retsenzent; TRAKHTMAN, L.M.,kandidat tekhnicheskikh nauk,retsenzent; PYLENKOV, A.P.,inzhener, retsenzent; GOKHSHTEIN, B.Ya.,kandidat tekhnicheskikh nauk, retsenzent; IL'IN, I.P.,inzhener, retsenzent; NAKHODKIN, M.D.,dotsent, kandidat tekhnicheskikh nauk, retsenzent; TISHCHENKO, A.I.,otvetstvennyy redaktor; BENESHEVICH, I.I. kandidat tekhnicheskikh nauk, redaktor; ZOROKHOVICH, A.Ye.,dotsent kandidat tekhnicheskikh nauk, redaktor; LUTSENKO, Ye.G.,inzhener, redaktor; ROGOZHIN, A.P.,inzhener, redaktor; SIDOROV, N.I., inzhener, redaktor; VERINA, G.P.,tekhnicheskiy redaktor

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

ZAKHARCHENKO, D.D.---(continued) Card 2.

[Technical manual for railroad workers] Tekhnicheskii spravochnik zheleznodorozhnika. Red. kollegiia R.G. Granovskii i dr. Moskva, Gos. transp. zhel-dor. izd-vo. Vol. 9.[Electric railroad rolling stock] Elektropodvizhnoi sostav zheleznykh dorog. Otv. red. toma A.I. Tishchenko. 1957. 652 p. (MLRA 10:4)

1. Chlen-korrespondent Akademii nauk SSSR. (for Alekseyev)
(Electric railroads--Rolling stock)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHEVICH, I.I., kand.tekhn.nauk

Calculating voltage cycles in traction substation busbars in determining voltage levels in contact networks. Trudy MIIT no.104:4-16 '59. (MIRA 12:9)
(Electric railroads--Substations)
(Electric railroads--Wires and wiring)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHEVICH, I.I., kand.tekhn.nauk; KIYENYA, I.M., kand.tekhn.nauk

Technical and economic efficiency of electric traction in connection with over-all electrification of railroads and adjacent areas. Trudy MIIT no.104:214-228 '59.
(MIRA 12:9)

(Electric railroads)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHEVICH, Ivan Ivanovich; LISITSYN, Viktor Mikhaylovich; SIDOROV, N.I., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Principles of automatic and remote control on electric railroads] Osnovy avtomatiki i telemekhaniki elektricheskikh zheleznykh dorog. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 273 p. (MIRA 14:1)
(Electric railroads--Equipment and supplies)
(Automatic control) (Remote control)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

KUCHMA, Kalinik Georgiyevich, kand. tekhn. nauk; PROKHORSKIY, Aleksandr Alekseyevich, inzh.; BENESHEVICH, I.I., kand. tekhn. nauk, retsenzent; SIDOROV, N.I., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Electric power plants and substations]Elektricheskie stantsii i podstantsii. Moskva, Transzheldorizdat, 1962. 531 p. (MIRA 15:9)

(Electric railroads—Current supply)
(Electric power distribution
(Electric power plants)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHEVICH, I.I., kand. tekhn. nauk; OVLASYUK, V.Ya., kand. tekhn. nauk; SUKHOPRUDSKIY, N.D., kand. tekhn. nauk; SHALIMOV, M.G., kand. tekhn. nauk; BANVER, Z.M., insh., retsenzent; KOLISH, L.G., insh., retsenzent; KALININ, V.K., kand. tekhn. nauk, red.; USENKO, L.A., tekhn. red.

[Automation and remote control of the power supply systems of electric railroads] Avtomatizatsiia i teleupravlenie ustroistvami energosnabzheniia elektricheskikh zheleznykh dorog. Moskva, Transzheldorizdat, 1963. 359 p. (MIRA 16:7)

(Electric railroads--Substations) (Automation) (Remote control)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHEVICH, I.I., kand. tekhn. nauk; OBLASYUK, V.Ya., kand. tekhn. nauk; SUKHOPRUDSKIY, N.D., kand. tekhn. nauk; SHALIMOV, M.G., kand. tekhn. nauk; BANVER, Z.M., inzh., retsenzent; KOLISH, L.G., inzh., retsenzent; NECHAYEV, N.A., kand. tekhn. nauk, retsenzent; KALININ, V.K., kand. tekhn. nauk, red.; USENKO, L.A., tekhn. red.

[Automation and remote control in the power supply systems of electric railroads] Avtomatizatsiia i teleupravlenie ustroistvami energosnabzheniia elektricheskikh zheleznykh dorog. [By] I.I.Beneshevich i dr. Moskva, Transzheldorizdat, 1963. 359 p. (MIRA 16:9)

(Electric railroads--Current supply)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESHKO, N.A.

USSR/Magnetism - Magnetic Resonance F-5

Abs Jour : Ref Zhur - Fizika, No 1, 1958, 1198

Author : Beneshko, N.A., Kondorskiy, Ye.I.

Inst : Moscow State University

Title : Temperature Dependence of the Overhouser Effect in Metallic Lithium.

Orig Pub : Zh. eksperim. i teor. fiziki, 1957, 32, No 3, 611-612

Abstract : The Overhouser effect was investigated in dispersed metallic lithium in the temperature range from 77.2 to 373° K in a constant magnetic field of intensity 30.10 oersted. The results obtained show that the width of the resonance line increases with diminishing temperature.

Card 1/1

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KONTA, I.[Konta, J.]; KUZHVART, M.[Kuzvart, M.]; BENESHOVA, Z. [translator]

Laterites and bauxites in Czechoslovakia. Kora vyvetr. no.5: 138-156 '63. (MIRA 16:7)

1. Karlov universitet, Praga.
(Czechoslovakia—Laterite)
(Czechoslovakia—Bauxite)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

1. BENTSIANSKIY, S. I.

2. USSR (600)

4. Bauxite

7. Kaolinite in bauxite and its origin. Dokl. AN SSSR 81, No. 6, 1951
rcd. 18 Aug. 1951.

9a. Monthly List of Russian Accesions, Library of Congress, May 1952, UNCLASSIFIED.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESLAVSKIY, S.I.

Pyritic bauxites. Byull. Moskov. Obshchestva Ispytatel. Prirody, Geol. Ser. 28, No.1, 41-8 '53. (MLRA 6:11)
(CA 47 no.22:12147 '53)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESLAVSKIY, S.I.

Titanium minerals in bauxites. Izvest. Akad. Nauk S.S.S.R., Ser. Geol. '53, No.2, 37-48. March/April 1953 (MIRA 6:4)
(CA 47 no.22:12139 '53)

XXX

Describes minerals containing Ti which enter into the composition of bauxites. Advances a syngenetic theory based on the clay-earth deposits and the origin of Ti minerals in bauxites, against the terrigeneous theory which is accepted by many other investigators

251T43

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

PA 249T62

BENESLAVSKIY, S. I.

USSR/Geophysics - Bauxites 1 Feb 53

"Structures of Bauxites," S. I. Beneslavskiy

DAN SSSR, Vol 88, No 4, pp 721-723

Distinguishes following types of bauxite structures: imperfect pisolitic, perfect pisolitic, complex pisolitic, non-pisolitic and pseudopisolitic. States that structures of the crystallization of gels are widely utilized in bauxites together with structures formed in the deposits of hydrates of aluminum and iron oxides; says that many pisolites, especially fine ones, were not formed by a change in the pH medium but as a result of crystallization of gels, and also be desiccation. Presented by Acad D. V. Nalivkin.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

15-57-1-395

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1, p 63 (USSR)

AUTHOR: Beneslavskiy, S. I.

TITLE: Some Questions on Mineral Formation in Bauxite (Nekotoryye voprosy mineraloobrazovaniya v boksitakh)

PERIODICAL: Vopr. mineralogii osadoch. obrazovaniy. Books 3-4, L'vov, L'vovsk. un-t, 1956, pp 144-159.

ABSTRACT: Diagenetic and epigenetic transformations are the most important factors in mineral growth in bauxite. Fundamentally the chemical composition of recrystallized bauxite is almost homogeneous. Corresponding to the degree of recrystallization of the primary substance, the minerals that are present occur in three forms: gelled, metastable, and crystalline. The principal rock-forming mineral in bauxite of the geosynclinal type is diaspore, forming from bemite (aluminum lepidocrocite). Diaspore is found in the selvages of kaolinitic and calcitic vein networks, occurring in idio-

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15-57-1-395

Some Questions on Mineral Formation in Bauxite (Cont.)

crystals. Bemite is chiefly the product of recrystallization of alumino-silica-titanium gel, which is the principal constituent part of the primary bauxitic sediment--the metastable form, characteristic of weakly recrystallized bauxite. Gibbsite is the principal mineral in the majority of platform deposits of bauxite. A later generation of gibbsite, side by side with the primary, is proved by numerous veins of this mineral cutting pisolites and grains of the primary mineral. Kaolinite fills numerous macro- and microfractures in the pisolites and in the material cementing the pisolites. It also occurs as pore filling. The kaolinite replaces some minerals in the bauxite and is developed around them. Calcite fills numerous secondary fractures in primary and secondary pores. Very commonly calcite replaces material in the bauxite, chiefly in the pisolites. Siderite occurs in several generations. Authigenic siderite is found in the pores or as filling in fractures. Magnetite locally forms small accumulations in association with titanomagnetite. It also occurs on the walls of drusy cavities in regular octahedral crystals. Authigenic sphene, calcite, and diaspore occur in veins and in pores in certain varieties of bauxite. Rutile and

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15-57-1-395

Some Questions on Mineral Formation in Bauxite (Cont.)

leucoxene are formed by the decomposition of ilmenite. Zeolites in bauxite indicate alkalis in the diagenetic process. These alkalis are redistributed and migrate within the deposits, or they are introduced from outside. Chlorites develop in bauxites of the diaspore-bemite type. It forms in the cementing matrix or occurs in veins and geodes. Other minerals identified in bauxites are hydromica, quartz, chalcedony, hematite, goethite, hydromagnesite, ankerite, dolomite, malachite, and azurite. In the most thoroughly studied bauxite deposits in the Northern Urals, secondary processes have worked in three principal stages: the formation of diaspore, calcite, and kaolinite. The sequence of stages is as follows: principal formation of diaspore--the recrystallization of primary gelled bemitic substance; principal formation of kaolinite--the separation of kaolinite during crystallization of the primary material and the autolysis accompanying the formation of diaspore; and the vein stage--the formation of calcite, kaolinite, and diaspore. The bauxites in these same deposits are divided into three supplementary stages of secondary alteration: the formation of siderite, pyrite, and sulfates.

Card 3/3

T. A. G.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

295

AUTHOR: Beneslavskiy, S.I.

TITLE: Prospects for the complex utilisation of bauxites. (Perspektivy kompleksnovo ispolzovaniya boksitov.)

PERIODICAL: "Tsvetnye Metally" (Non-ferrous Metals), 1957, No. 1, pp. 95 - 96, (U.S.S.R.)

ABSTRACT: Bauxites contain 42 different chemical elements, and in this article, non-Russian work on element-extraction from bauxites is critically reviewed.

There are 4 tables and 11 references, of which 1 is Russian.

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BENESLAVSKIY, S.I.

20-5-51/67

AUTHOR BENESLAVSKIY S.I.

TITLE New Aluminous Minerals From Bauxites.
(Novyye alyumosoderzhashchiye minerlay boksitov -Russian)

PERIODICAL Doklady Akademii Nauk SSSR,1957,Vol 113,Nr 5,pp 1130-1132(U.S.S.R.)
Received 7/1957 Reviewed 8/1957

ABSTRACT The extraction of alumina from bauxites of some habitats of the U.S.S.R. (the south-Ukrainian, Tataric, and Bargassian) at a temperature of 105° frequently amounts to only 60-80°/o of the theoretically possible quantity. The increase of lixivation-temperature up to 190° and 225° does not improve the solubility of the alumina- materials which is only the case if monohydrates of alumina: boehmite and diaspore are contained in bauxite. In these bauxites also no corundum is found the presence of which often influences the grade of exposure-capacity. The author found that aluminum is a component of some minerals of the ferric oxide and -hydroxide which on the whole form the insoluble residues of the bauxites. The alumina-content here forms 8-10°/o, any minerals of without it being possible microscopically to detect free alumina. G.A.Bilibin was the first to call a similar material alumolimonite. Boldyrev pointed out a transition between limonite and bauxite. Goethite containing aluminum is known from sedimentary iron-ores of Germany. Th author detected in 1952 a mineral in bauxites-$Al_2O_3.2Fe_2O_3.5H_2O$. The chemical composition of some Yenisey-bauxites from which alumina cannot be extracted without residues appears from table 2. The mineralogically insoluble residues consist of goethite and haematite, sometimes with admixtures of maggemite. In some bauxite modifications the ferric hydro-oxides are obviously rock-forming. In the bauxi-

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New Aluminous Minerals From Bauxites. 20-5-51/67

1 te-habitats of the Yenisey-chain there are highly ferriferous bauxites (analyses see table 3). The computation of the radiograms of goethite and haematite produced from bauxite carried out by I.L.Skripko shows some line -shiftings, compared to the sides of these minerals. He also took notice of the reduction of the removals of the intermediate surfaces in the deryegrams of maggemite from the bauxites of the Barsassian habitat. The author considers Al_2O_3 in goethite, haematite, and maggemite to be solid solution. A name for such minerals containing aluminum would be alumogoethite, alumohaematite etc.
Simultaneously it has to be pointed out that beside solid solutions Al_2O_3 in Fe_2O_3 and $Fe_2O_3.H_2O$ in nature also viceversa solid solutions of Fe_2O_3 in $Al_2O_3.nH_2O$ exist. Obviously solid solutions characteristic are of the majority of minerals wich form bauxites and sedimentary iron-ores. (With 5 tables, 2 Slavic References).

ASSOCIATION Allunion-Scientific Research -Institute for Aluminum and Magnesium.
PRESENTED BY NALIVKIN D.V., Member of the Academy
SUBMITTED 13.9.1956
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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

SOV/137-58-8-16248

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 3 (USSR)

AUTHOR: Beneslavskiy, S.I.

TITLE: A Mineralogical and Engineering Evaluation of USSR Bauxites (Mineralogicheskaya i tekhnologicheskaya otsenka boksitov SSSR)

PERIODICAL: V sb.: Legkiye metally, Nr 4. Leningrad, 1957, pp 15-1[illegible]

ABSTRACT: Bibliographic entry

1. Bauxite--USSR 2. Bauxite--Effectiveness

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

SOV/137-58-7-16161

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 319, (USSR)

AUTHOR: Beneslavskiy, S. I.

TITLE: Accomplishments in the Study of the Material Composition and the Technological Properties of Bauxites (Uspekhi izucheniya veshchestvennogo sostava i tekhnologicheskikh svoystv boksitov)

PERIODICAL: Byul. tsvetn. metallurgii, 1957, Nr 8, pp 20-30

ABSTRACT: A historical review of the discovery of various deposits of bauxites (B) beginning with 1932 is adduced, and data on their material composition are given. At the All-Union Aluminum-magnesium Institute the macroscopic description of the test sample (color, hardness, porosity, texture) and the wet and dry granulometric analysis are used for the study of the material composition of B. In the wet state the analysis is performed by the following method: An 80 - 100 g test sample is placed in water for 1 - 2 hours, carefully ground, and screened through a set of screens arranged in a column. The material left in each screen is dried, weighed, and its percentage in relation to the total weight of the test sample is computed. For the chemical and thermal analysis the test samples are ground to

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Accomplishments in the Study of the Material (cont)

100 mesh, large grains are separated from the cementing material, iron is removed from red B by treatment with 10 - 15% HCl or ethyl alcohol saturated with HCl, monomineral fractions are separated from the bleached powdered B in heavy liquids. The chemical analysis of the initial test sample the large grains and the cementing material, the fractions of the granulo metric analysis, and fractions of the centrifuging analysis is performed separately for the following components: SiO_2, Al_2O_3, Fe_2O_3, FeO, TiO_2, CaO, MgO, P_2O_5, CO_2, S, K_2O+Na_2O, Cr_2O_3, V_2O_5, Ga_2O_3, C, etc. etc. Rational chemical analysis is applied. The fractions of B with the iron removed are studied by the immersion method. The diagnosis of argillaceous minerals is conducted by coloring the deironed B fractions with organic dyes. Methods of thermic and X-ray analysis are applied. B is studied in transparent and polished miscrosections. By the study of the polished specimens the structure and texture of large areas of B are developed. Also practiced is the separation from B of the magnetic fraction where magnetite, magnetite-hematite and ilmenite are concentrated.

1. Bauxite--Properties 2. Bauxite--Analysis V. N.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

20-2-43/60

AUTHOR: Beneslavskiy, S. I.

TITLE: Cavern.—Diluvial Type of Bauxite Deposits (Karstovo-delyuvial'nyy tip mestorozhdeniy boksitov)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 2, pp.391-393 (USSR)

ABSTRACT: In the Soviet Union, many bauxite deposits of the plate type usually are connected with negative form of cavernal origin. In such cases they occur together with cavernal funnels which are often formed wherever limestone and crystalline rock meet. The structure of the deposits usually is complicated. The lithological composition of bauxite is extremely colorful. Among other, coal and wood will be always found. The contents of alumina and of SiO_2 varies considerably. No mathematical interrelationship can be found between the distribution of the different kinds of bauxite. The author of the paper under review is of the opinion that the kaolinite-hydromica-gibbsite clays are a product of decomposition of quartz--mica-slate. The most valuable bauxites usually have the

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20-2-43/60

Cavern—Diluvial Type of Bauxite Deposits

most complete bean structure. Table Nr 1 of the present paper illustrates the chemical analyses of the bean formations and of the cementing substances of bauxites from the Yenisey Chain, USSR, and from Georgia, USA. In the beans , the concentration of free alumina is much higher than in the other parts of the rock. The well-known law, according to which the heavy-mineral fraction in sediments decreases both quantitatively and qualitatively during the course of its geological formation and particularly during the course of the diagenesis, applies also to bauxites. The change of the qualitative composition of the heavy fraction, and ratios between the mineral components are determined by the degree of change of the ilmenite (as of the main mineral). First of all, ilmenite is oxidized, and then decomposed. Minerals of the type of arizonite are formed, and then leucoxen - a mixture of amorphous titanium oxide and iron oxide. It is observed that in bauxite of the plate type the terrigenous material plays an important part. It represents either a direct diluvium of the rocks of the district of the deposit, or the rest material after its complete decomposition and disintegration in the places of bauxite formation, to which there belong the cavernal funnels. At present, there exist

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20-2-43/60

Cavern — Diluvial Type of Bauxite Deposits

no data as to the question whether the diluvium was accumulated in the funnels in a relatively fresh stage or in the form of laterite rocks. According to the author of the paper under review, many bauxite deposits of the plate type, e.g. those of the Yenisey Chain or of the Akmolinsk area, are of sedimentary origin. They should be singled out as a particular cavernal-diluvial type. There are 1 table, and 3 references.

PRESENTED: October 1, 1956, by D. V. Nalivkin, Member of the Academy

SUBMITTED: September 13, 1956

AVAILABLE: Library of Congress

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BENESLAVSKIY, S.I.

3(5) 15(6) PHASE I BOOK EXPLOITATION SOV/1254

Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh nauk

Boksity, ikh mineralogiya i genezis (Mineralogy and Origin of Bauxites) Moscow, Izd-vo AN SSSR, 1958. 488 p. 2,200 copies printed.

Compiler: Dolgopolov, N.N.; Chief Ed.: Strakhov, N.M., Academician; Resp. Ed.: Bushinskiy, G.I.; Ed. of Publishing House: Nosov, G.I.; Tech. Ed.: Polenova, T.P.

PURPOSE: The book is intended for scientists working in geology and associated fields, and managers of industrial and engineering concerns.

COVERAGE: This collection of articles by various authors on the mineralogy and geochemistry of bauxites appeared as a result of a 1955 conference on the origin of bauxite (Chairman, Academician N.M. Stakhov). The conference discussed the genetic theories propounded by various scientists, underlining the weakness of L.S. Berg's biochemical theory and the hydrothermal theories developed by some French scientists. The majority of Soviet geologists appear to be in accord with the sedimentary origin theory. The book discusses problems on the origin of bauxite and describes some deposits found in the USSR. Each article is accompanied by Soviet and other references, photographs, diagrams, tables and maps.

Card 1/14

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TABLE OF CONTENTS:

Foreword 3

PART I. MINERALOGY OF BAUXITES

Mineralogy of Sedimentary Bauxites (S.I. Beneslavskiy) 7
1. History of mineralogical investigations of bauxites 7
2. Alumina-containing minerals 8
3. Silica in bauxites 21
4. Iron-containing minerals 23
5. Calcium in bauxites 26
6. Magnesium in bauxites 28
7. Titanium minerals 30
8. Sulphur minerals 33
9. Phosphate minerals 35
10. Sodium and potassium in bauxites 36
11. Trace elements in bauxites 37
12. "Lode facies" in bauxites 42
13. Some problems of mineral formation in bauxites 44
14. Genetic classification of sedimentary bauxite minerals 48

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SOV/81-59-8-28040

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 8, p 354 (USSR)

AUTHORS: Beneslavskiy, S.I., German-Galkina, A.S.

TITLE: The Development of a Technology for the Production of Alumina From Bauxites of the Bokson Layer

PERIODICAL: Tr. Vost. Sib. fil. AS USSR, 1958, Nr 12, pp 43 - 50

ABSTRACT: The characteristic of the composition of red varieties of Bokson bauxites and data on the technological testing of the samples of Bokson bauxites by the method of soda-limestone sintering are cited. The effect of the charge composition on the extraction of Al_2O_3 and Na_2O and the effect of MgO on the sintering process have been studied under laboratory conditions. Semi-industrial tests have been carried out with an optimum charge of the following composition: Na_2O/Al_2O_3 1.3:1, CaO/SiO 2:1; conditioned limestones and those with a MgO content of 6%; sintering temperature 1,150 - 1,200°C; the sinters were leached out by solutions with a Na_2O concentration of 100 g/l and a caustic module of 1.5 in the final solution. The sintering was carried out in a rotating furnace with an output of 100 kg of charge per hour.

Card 1/2

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SOV/81-59-8-28040

The Development of a Technology for the Production of Alumina From Bauxites of the Bokson Layer

The leaching of the finely ground (-0.175 mm) sinter was carried out by the agitation method (a higher extraction of Al_2O_3), and of granulated sinter by the diffusion method. It has been shown that the processing of Bokson bauxites by the method of soda-limestone sintering makes it possible to attain a high extraction of Al_2O_3 and Na_2O.

N. Shiryayeva

Card 2/2

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SOV/137-59-5-10085

18.3100

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 92 (USSR)

AUTHORS: Beneslavskiy, S.I., German-Galkina, A.S.

TITLE: Preparation of Alumina From Bauxites of the Tatarskiy Deposit

PERIODICAL: Tr. Vost-Sib. fil. AS USSR, 1958, Nr 12, pp 120 - 136

ABSTRACT: Bauxites from the Tatarskoye deposit have a rather variegated chemical composition. The content of basic components varies within the following limits (in %): SiO_2 0.5-24, Al_2O_3 27-62, Fe_2O_3 5-53, TiO_2 3.5-17. Laboratory investigations were carried out to determine conditions for processing such bauxites. Ground bauxite with grain dimensions passing through a 0.15 mm sieve, was leached by an alkali-aluminate solution of Na_2O_{caust} with a concentration as high as 200 g/l and a caustic modulus of 3.6 at 105°C. The authors investigated the causes affecting the rate of slime deposition. The technological process developed under laboratory conditions was tested at the experimental base of the Ural Aluminum Plant with respect to the following basic technological conversion processes: 1) drying of bauxite in a revolving

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Preparation of Alumina From Bauxites of the Tatarskiy Deposit

furnace at 280° and 450°C; 2) lixivation in an autoclave with an alkali-aluminate solution of Na_2O with a concentration of 280 g/l and final $\alpha_{caustic}$ = 1.7, during 2 hours; 3) separation of the solution from the slime in a continuously operating thickener. Extraction of Al_2O_3 under semi-industrial conditions was 89.7% (drying temperature - 280°C, lixivation temperature - 170°C).

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BENESLAVSKIY, S.I.; PASHKEVICH, L.A.

Remarks by S.I. Beneslavskii and L.A. Pashkevich on the article by V.N. Krylov and A.S. Polubelova "Dehyuration of bauxites obtained from various deposits". Zhur.prikl. khim. 31 no.3:514-515 Mr '58. (MIRA 11:4)

(Bauxite) (Dehydration)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BESSONOVA, Avgusta Spiridonovna; BENESLAVSKIY, S.I., red.; PETRENKO, N.P., red.; SOROKINA, T.I., tekhn.red.

[Aluminum raw materials of the Irkutsk Province and possible ways to use them] Aliuminievoe syr'e Irkutskoi oblasti i vozmozhnye puti ego ispol'zovaniia. Pod red. S.I.Beneslavskogo. Irkutsk, Irkutskoe knizhnoe izd-vo, 1958. 41 p. (MIRA 13:8)
(Irkutsk Province--Aluminum silicates)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESLAVSKIY, S.I.

Amangel'dy bauxites as raw materials for the production of alumina. Trudy Inst.geol.nauk AN Kazakh.SSR no.2:151-159 '59. (MIRA 13:4)

(Amangel'dy District--Bauxite) (Alumina)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BENESLAVSKIY, S.I.; GORETSKIY, Yu.K.[deceased]; ZVEREV, L.V.; SOSHNIKOVA, M.S., nauchnyy red.; GRISHINA, T.B., red. izd-va; NYKOVA, V.V., tekhn. red.

[Industry's requirements as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gosgeoltekhizdat. No.35. [Aluminum] Aliuminii. 1962. 59 p. (MIRA 15:7)

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

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2"

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BENESLAVSKIY, S.I.

Causes of incomplete leaching of diaspore bauxite. Dokl.AN SSSR 144 no.1:216-218 My '62. (MIRA 15:5)

1. Predstavleno akademikom D.V.Nalivkinym.
(Bauxite) (Leaching)

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BENESLAVSKIY, S.I.

Secondary processes are the most important factor in the formation of bauxite ores. Kora vyvetr. no.4:178-194 '62. (MIRA 15:9)

1. Vsesoyuznyy alyuminiyevo-magniyevyy institut.
(Bauxite)

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BENESLAVSKIY, S.I.

Hydrogeological conditions are an important factor in the formation of bauxite. Kora vyvetr. no.5:120-126 '63. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy alyuminiyevo-magniyevyy institut.
(Bauxite) (Water, Underground)

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BENESLAVSKIY, S.I ; KROTOVA, I.Ye., red.izd-va; IYERUSALIMSKAYA,Ye., tekhn. red.

[Mineralogy of bauxites; criteria of quality estimation and technological properties of bauxite ores based on their composition] Mineralogiia boksitov; kriterii otsenki kachestva i tekhnologicheskikh svoistv boksitovykh rud po ikh veshchestvennomu sostavu. Moskva, Gosgeoltekhizdat, 1963. 169 p. (MIRA 17:2)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000200010015-2

BEMESLAVSKIY, S.I.

Composition of the [illegible]. Razved. i okh. nedr [illegible]. [illegible]

1. Vsesoyuznyy alyuminiyevo magniyevyy Institut.

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48

AUTHOR: Benenson, E. B.; Genkin, A. L.

ORG: none

TITLE: End effects in a magnetohydrodynamic channel of a variable cross section

SOURCE: Magnitnaya gidrodinamika, no. 3, 1966, 39-44

TOPIC TAGS: MHD flow, MHD channel, magnetohydrodynamics, end effect

ABSTRACT: The authors analyzed a linearly diverging magnetohydrodynamic channel. The effects related to the finiteness of dimensions of electrodes and insulators, are determined as a function of the angle of opening of the channel. The results obtained show that the effects in a diverging channel are greater than in the case of a constant cross section. Orig. art. has: 5 figures and 13 formulas. [Based on authors' abstract]

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BUZIN, D.P., inzh.; BENENSON, Ye.I., inzh.; GOL'DBERG, I.I., inzh.; MAYORSKIY, Ye.V., inzh.; TROYANOVSKIY, B.M., kand. tekhn. nauk, dotsent

Experience in designing the terminal stage of a large steam turbine. Energomashinostroenie 10 no.8:1-3 Ag '64. (MIRA 17:11)

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