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DOLITSKIY, N.I., kand. tekhn. nauk.

Standardization of steam turbine blades. Energomashinostroenie 4 no.1:7 Ja '58. (MIRA 11:1)

(Steam turbines--Blades)

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S/114/60/000/004/007/009
E194/E355

AUTHOR: Dolitskiy, N.I., Candidate of Technical Sciences

TITLE: Accurate Blanks for the Guide Vanes of Steam Turbines

PERIODICAL: Energomashinostroyeniye, 1960, No. 4, pp. 35 - 38 and 48

TEXT: Guide-blade profiles at present differ widely in their geometry because they have been designed by different organisations working independently. Sometimes their aerodynamic shape is poor, their axial width has not been standardised and other features are inferior. In any case, a great many different blanks are required. Accordingly, the TsKTI (Central Boiler Turbine Institute) has issued standards for the profiles of steam-turbine guide vanes. These standards have been worked out by a certain integration of the profiles proposed by various institutes. A high accuracy in blanks for blading and a high degree of standardisation are both important. The range of blanks

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E194/E355

Accurate Blanks for the Guide Vanes of Steam Turbines

fulfils the following three main requirements; blanks are provided for blades with the new standardised and aerodynamically-improved profiles; the range is economic as it meets the requirements of turbine manufacturers with a minimum number of blanks; the blank profiles are accurate and require the minimum of machining.
In standardising the blanks, other factors were also unified, such as: the series of values of axial width; the structure of the profiles; the outlet sections of the blanks and the skew of the outlet edge and the nominal values of the outlet edge thickness of the blanks.
An economic comparison is then made between the various methods of blade manufacture using blanks that are hot-stamped, hot-rolled and hot-pressed and cold-drawn. Curves are plotted of the cost of blanks and of machining and of the amount of metal required against the number of blades to be produced. The results show that the

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Accurate Blanks for the Guide Vanes of Steam Turbines

blades which cost least are those which are hot-pressed and cold-drawn. The hot-rolled blades are intermediate, and the hot-stamped blades the most expensive. If the number of blades is 500 or more not only is the machining cost of the hot-pressed and cold-drawn blade lower but so is the cost of the blanks.
The saving in labour and machining costs when using hot-pressed and drawn blades is considered at some length and the least number of blades for which it is advisable to use hot pressing and drawing is considered.
Engineer S.B. Nev has claimed that a cold-drawing equipment for making blanks for blades should not be set up unless a production run of at least 75 m is assured. It is claimed that Nev's conclusions are not well founded, mainly because in all cases machining costs are more important than metal costs. Thus, if the manufacturing costs of the blading are considered as a whole, the variant with

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E194/E355

Accurate Blanks for the Guide Vanes of Steam Turbines

hot pressing followed by cold drawing offers greater advantages than hitherto supposed. There are 5 figures, 2 tables and 5 references: 4 Soviet and 1 non-Soviet.

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DOLITSKIY, N.I.; FIRSOV, V.G., inzh., retsenzent

[Technical and economic indices of the manufacture of stationary steam turbines] Tekhniko-ekonomicheskie pokazateli proizvodstva statsionarnykh parovykh turbin. Moskva, Izd-vo "Mashinostroenie," 1964. 303 p.
(MIRA 17:8)

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DOLITSKIY, V.A.

DOLITSKIY, V.A. - Sledstvennyya uprazhneniya (Exercises in Criminal Investigation) A.Y. Vyshinskiy, editor, 1935.
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1. DOLITSKIY, V. A.

2. USSR (600)

4. Prospecting-Geophysical Methods

7. Dissemination of the results of the geophysical work in the oil-bearing provinces. (Abstract) Izv.Glav.upr.geol.fon. No. 2 - 1947.

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

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DOLITSKIY, V. A. Cand. Geolog-Mineralog Sci

Dissertation: Geology of Tuymazy Petroleum Deposits." Moscow Order of the Labor Red Banner Petroleum Inst. imeni Academician I. M. Gubkin 25 Feb 47

SO: Vechernyaya Moskva, Feb 1947 (Proj. #17836)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

PA 61T54

DOLITSKIY, V. A.

USSR/Geology
Tectonics

Feb 1948

"Normal Cross Sections of the Devonian Deposits of the Syzran Region," V. A. Dolitskiy, A. A. Safontsev, G. G. Tsyplenkov, 9 pp

"Neftyanoye Khozyaystvo" No 2

Normal crosscuts of Devonian deposits are made from three structures: Zaborovskoy, Syzranskoy and Gubinskoy. All three structures are connected with undulations of the axis of a single tectonic upheaval, northern wing of which is the Zhigulevskaya fold.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLITSKIY, V. A.

Dolitskiy, V. A. "On the course entitled 'Geological interpretation of geophysical surveys'", Trudy Mosk. neft. in-ta im. Akad. Gubkina, Issue 8, 1948, p. 142-44.

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

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SOROKIN, L.V., professor; URYSON, V.O., dotsent; RYABINKIN, L.A., dotsent; DOLITSKIY, V.A., dotsent; SOROKIN, L.V., redaktor; YEESHOV, P.R., vedushchiy redaktor; POLOSINA, A.S., tekhnicheskiy redaktor

[A course on geophysical methods of prospecting for oil fields] Kurs geofizicheskikh metodov razvedki neftianykh mestorozhdenii. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1950. 473 p.

(Prospecting--Geophysical methods) (MLRA 9:11)

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3(5) PHASE I BOOK EXPLOITATION SOV/2302

Akademiya nauk Ukrainskoy SSR. Institut geologii poleznykh iskopaye-mykh

Problema migratsii nefti i formirovaniya neftyanykh i gazovykh skopleniy; materialy L'vovskoy diskussii 8-12 maya 1957 g. (Problem of Oil Migration and the Formation of Oil and Gas Accumulations; Materials of the Discussion Held in L'vov, May 8-12, 1957) Moscow, Gostoptekhizdat, 1959. 422 p. 1,100 copies printed.

Eds.: V. B. Porfir'yev, Academician of the Ukrainian SSR Academy of Sciences, and I. O. Brod, Professor; Exec. Ed.: P. R. Yershov; Tech. Ed.: A.B. Polesina; Editorial Board: I.O. Brod, Professor, N.R. Ladyzhenskiy, and V.B. Porfir'yev, Academician of the Ukrainian Academy of Sciences.

PURPOSE: This collection of articles is intended for a wide range of geologists and research workers interested in oil problems.

COVERAGE: Articles contained in this book deal with the problems of migration and accumulation of oil and gas. These problems were discussed in May 1957 at L'vov State University im. I. Franko at a meeting organized jointly by the Institute of Geology and Mineral Resources, Academy of Sciences of the USSR, the Department of Geology and Oil Exploration of the L'vov Polytechnic Institute, and the L'vov Geological Society. Theories on the origin of petroleum deposits and the conditions surrounding their occurrence are treated. There are 327 references: 232 Soviet, 86 English, 5 French, and 4 German.

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Dolitskiy, M.A. [Institut nefti, Moscow] Problems of Oil Deposit Formation in the Devonian of the Russian Platform 343

Krotova, V.A. [VNIGRI, Leningrad] Hydrogeological Factors in the Formation and Destruction of the Uralo-Povolzh'ye Oil Deposits 350

Karasik, T.G. [TsNIL Ukhtinskogo neftekombinata] Conditions of Oil Occurence in the Timano-Pechorskaya Province 354

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DOLITSKIY, V.A.; YAKOVLEV, B.M.

Using logging data for studying overthrust folds in northwestern Ciscausia. Izv.vys.ucheb.zav.; neft' i gaz no.11: 23-30 '59. (MIRA 13:4)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika I.M.Gubkina.
(Caucasus, Northern--Folds(Geology))

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DOLITSKIY, V.A.; BENENSON, V.A.

Lower Cretaceous sediments of the Kulsary area. Trudy MINKHiGP no.25:162-184 '59. (MIRA 15:5)
(Kulsary region--Geology, Stratigraphic)

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DZHUMAGULOV, A.; CHERNYSHOV, S.M.; GONCHAROV, M.A.; DOLITSKIY, V.A.

New oil pool in the middle Devonian Ardatovka beds of the Sultangulovskiy field. Trudy MINKHiGP no.25:342-350 '59. (MIRA 15:5)

(Sultangulovskiy region—Petroleum geology)

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DOLITSKIY, V.A.; DZHUMAGULOV, A.

Terrigenous Devonian in the Krasnyi Yar oil field. Izv.vys. ucheb.zav.; neft' i gaz 3 no.2:17-24 '60.

(MIRA 13:6)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. I.M. Gubkina.
(Krasnyi Yar (Volga Valley)—Geology, Stratigraphic)

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DOLITSKIY, V.A., BERENSON, V.A.

Detailed division of lower Cretaceous sediments in the Narmundanak and Altykul' oil fields on loggin data. Trudy MINKHiGP no.27:168-194 '60. (MIRA 13:9)
(Caspian Lowland--Geology, Stratigraphic)

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DOLITSKIY, V.A.; BENENSON, V.A.; MOVSHOVICH, E.B.

Method of stratigraphic division of Cretaceous sediments of certain areas in Astrakhan Province, based on borehole records. Trudy VNIGNI no.29:122-137 vol.3 '61. (MIRA 14:9)
(Boring)
(Astrakhan Province--Geology, Stratigraphic)

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DOLITSKIY, V.A.; DOLITSKAYA, I.V.; MOVSHOVICH, E.B.

Oil and gas potentials of the Peschanoye area (Kalmyk A.S.S.R.). Izv. vys. ucheb. zav.; neft' i gaz 4 no.1:9-14 '61. (MIRA 15:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika Gubkina i Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Moskva.
(Kalmyk A.S.S.R.--Petroleum geology)
(Kalmyk A.S.S.R.--Gas, Natural--Geology)

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DOLITSKIY, V.A.; KORCHEV, G.P.; SMIRNOV, A.V.; TOLSTOY, N.S.

Mesozoic sediments of the Korobki field in connection with their gas potential. Izv. vys. ucheb. zav.; neft' i gaz 5 no.1:6-12 '62. (MIRA 16:11)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M. Gubkina, Volgogradskiy nauchno-issledovatel'skiy institut neftyanoy i gazovoy promyshlennosti, i Kompleksnaya ekspeditsiya Glavnogo upravleniya geologii i okhrany nedr pri Sovete Ministrov RSFSR.

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DOLITSKIY, V.A.; DUBOVSKOY, I.T.; KUCHERUK, Ye.V.; KHENVIN, T.I.

Geological maps of the horizontal shears in the region of the Chir-Don dislocations. Izv. vys. ucheb. zav.; neft' i gaz 5 no.10:11-14 '62. (MIRA 17:8)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M. Gubkina, Moskovskiy gosudarstvennyy universitet imeni Lomonosova i Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti Glavnogo upravleniya geologii i okhrany nedr pri Sovete Ministrov RSFSR.

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DOLITSKIY, V.A.; BENENSON, V.A.

Lower Cretaceous sediments in the southeastern part of the Caspian syneclise. Trudy MINKHiGP no.36:13-34 '62. (MIRA 15:6)
(Caspian Sea region--Geology, Stratigraphic)

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DOLITSKIY, V.A.

Some features of the geology of salt domes in the Caspian syneclise. Izv. AN SSSR. Ser.geol. 27 no.6:49-61 Je '62. (MIRA 15:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti. (Caspian Sea region--Salt domes)

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DOLITSKIY, V.A.; CHEN' SEN'-TSYAN [Ch'ên Sên-ch'iang]

Modes of occurrence of sandstones in the Pashiya horizon of the Shkapovo oil field. Neftegaz. geol. i geofiz. no. 5:23-26 '63. (MIRA 17:5)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M.Gubkina.

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DOLITSKIY, V.A.; KUCHERUK, Ye.V.

Prospects for detecting local uplifts in the Tersinka Trough. Neftegaz.geol.i geofiz. no.9:14-17 '63. (MIRA 17:3)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika Gubkina i Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

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DOLITSKIY, V.A.; KUCHERUK, Yo.V.

Stratification map of the west of the Volga in Volgograd Province. Trudy MINKHiGP no.43:272-279 '63. (MIRA 17:4)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLITSKIY, V.A.; KUCHERUK, Ye.V.

Using maps of seams in prospecting for oil and gas. Geol.nefti i gaza 7 no.2:38-41 F '63. (MIRA 16:2)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. Gulbkina i Moskovskiy gosudarstvennyy universitet.

(Volgograd Province--Maps--Geology)
(Saratov Province--Maps--Geology)
(Prospecting)

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DOLITSKIY, V.A.; KUCHERUK, Ye.V.

Geological map of the horizontal section of the southern part of the Don-Medveditsa dislocation. Izv. vys. ucheb. zav.; geol. i razv. 6 no.9:141-144 S '63. (MIRA 17:10)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti i Moskovskiy gosudarstvennyy universitet.

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DOLITSKIY, V.A.; KUCHERUK, Ye.V.; TOLSTOY, N.S.; SHEREMET'YEV, Yu.P.

Structural map of the northeastern part of Volgograd Province. Izv.vys.ucheb.zav.; geol. i razv. 6 no.11:143-148 N '63. (MIRA 18:2)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M.Gubkina i Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

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DOLITSKIY, V.A.; KUCHERUK, Ye.V.

Using detail paleogeological maps in oil and gas prospecting. Geol. nefti i gaza 7 no.11:13-17 N '63. (MIRA 17:8)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. Gubkina i Moskovskiy gosudarstvennyy universitet.

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DOLITSKIY, V.A.; KUCHERUK, Ye.V.

Age of the Tersinka depression in connection with prospecting for oil and gas in the Terrigenous Devonian. Izv. vys. ucheb. zav.; neft' i gaz 8 no.1:3-5 '65.

(MIRA 18:2)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M. Gubkina.

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DOLITSKIY, V.A.; KUCHERUK, Ye.V., aspirant

Methods for finding hidden uplifts in the Tersa through. Izv.vys.uchab.zav.; geol.i razv. 7 no.8:16-20 Ag '64. (MIRA 18:11)

1. Moskovskiy institut neftekhmicheskoy i gazovoy promyshlennosti i Moskovskiy gosudarstvennyy universitet.

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KORYAKIN, Sergey Fedorovich, dotsent, kand.ekon.nauk; BERNSHTEYN, Iosif L'vovich, dotsent, kand.ekon.nauk; ELLINSKIY, Yuriy Fedorovich, starshiy prepodavatel'; DOLITSKIY, Ya.I., prof., doktor ekon.nauk, retsenzent; CHERKESOV-TSIBIZOV, A.A., starshiy prepodavatel', retsenzent; FROLOV, A.S., dotsent, kand.tekhn.nauk, retsenzent; KRUGLENKO, N.K., inzh., retsenzent; ZOLOTUKHIN, Yu.A., obshchiy red.. V redaktirovanii prinimali uchastiye: OGANOV, N.K., dotsent, red.; DUBCHAK, V.Kh., inzh., red.; MARTIROSOV, A.Ye., inzh., red.; KHAR'KOV, G.I., starshiy nauchnyy sotrudnik, red.; KRASHENINNIKOV, V.G., dotsent, kand.ekon.nauk, red.; GEKHTBARG, Ye.A., inzh., red.; SHCHEGOLEV, G.G., inzh., red.; PRILUTSKIY, M.A., inzh., red.; KANTOR, L.M., dotsent, kand.ekon.nauk, red.; KUZ'MIN, T.P., inzh., red.; FILIPPOV, K.D., red.. KSENOFONTOVA, Ye.F., red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Economics of water transportation] Ekonomika morskogo transporta. Pod obshchei red. IU.A.Zolotukhina. Moskva, Izd-vo "Morskoi transport", 1959. 391 p. (MIRA 13:3)

(Shipping--Finance)

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DOLITSKIY, Y. [redacted]

Results of scientific research of branch institutes of labor and wages. Biul.nauch.inform.trud i zar.plata no.1:9-16 '59.

(Production standards) (MIRA 12:4)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

SHUL'TS, Sergey Sergeyevich, doktor geol.-miner. nauk; MOZHAYEV, Boris Nikolayevich; MOZHAYEVA, Valentina Grigor'yevna; RUKOYATKIN, Anatoliy Arkad'yevich; DOLIVO-DOBROVOL'SKIY, Anatoliy Vasil'yevich; PALITSYN, Nikolay Dmitriyevich; PONOMAREV, Yevgeniy Vasil'yevich; SHENGER, I.A., red. izd-va; ZAMARAYEVA, R.A., tekhn. red.

[Sudoma Upland; geological and geomorphological outline] Sudomskaia vozvyshennost'; geologo-geomorfologicheskii ocherk. [By] S.S.Shul'ts.i dr. Moskva, Izd-vo AN SSSR, 1963. 118 p. [5 fold. diagrs.] (MIRA 16:10)
(Sudoma Upland--Geology)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

STULOV, N.N.; SHAFRANOVSKIY, I.I.; MOKIYEVSKIY, V.A.; POPOV, G.M.; BETEKHTIN, A.G.; NIKOLAYEV, V.A.; ANSHELES, O.M.; GRIGOR'YEV, D.P.; YEROFEYEV, B.N.; TATARSKIY, V.B.; SOLOV'YEV, S.P.; NIKITIN, V.D.; RUDENKO, S.A.; DUBININA, V.N.; ALYAVDIN, V.F.; VLADIMIROV, B.N.; KAZITSYN, Yu.V.; FRANK-KAMENETSKIY, V.A.; KALININ, A.I.; BALASHOVA, M.N.; SAL'DAU, E.P.; DOLIVO-DOBROVOL'SKAYA, G.M.; LAVRENT'YEV, M.F.

Viktor Ivanovich Mikheev. Zap. Vses. min. ob-va 86 no.2:317-320 '57. (MLRA 10:6)

(Mikheev, Viktor Ivanovich, 1912-1956)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

SHAFRANOVSKIY, I.I., prof. Prinimali uchastiye: MOKIYEVSKIY, V.A.; STULOV, N.N.; GENDELEV, S.Sh.; PIS'MENNYY, V.A.; BALASHOVA, M.N.; MIKHEYEVA, I.V.; SAL'DAU, E.P.; KALININ, A.I.; DOLIVO-DOBROVOL'SKAYA, G.M. PIOTROVSKIY, G.L., dotsent, otv.red.; FURMAN, I.P., red.; MALYAVKO, A.V., tekhred.

[Lectures on the morphology of mineral crystals] Lektsii po kristallomorfologii mineralov. L'vov, Izd-vo L'vovskogo univ., 1960. 161 p. (MIRA 14:1)

1. Kafedra kristallografii Leningradskogo gornogo instituta (for Mokiyevskiy, Stulov, Gendelev, Pis'mennyy, Balashova, Mikheyeva, Sal'dau, Kalinin, Dolivo-Dobrovol'skaya).
(Minerals) (Crystals)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

BOKIY, Georgiy Borisovich; PORAY-KOSHITS, Mikhail Aleksandrovich; BELOV, N.V., akademik, red.; DOLIVO-DOBROVOL'SKAYA, Ye.M., red.

[X-ray structural analysis] Rentgenostrukturnyi analiz. Moskva, Izd-vo Mosk. univ. Vol.1. Izd.2. 1964. 488 p. (MIRA 17:12)

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Co

The disinfection of purified sewage by electrolysis I. B. Dobyn-Dobrovolskii. *Microbiology* (U. S. S. R.) 6, 498-500 (in English 500-6) (1937). In the development of an electrolytic method for the disinfection of purified sewage 3 methods were used: I with poles not sepd. by a diaphragm; II, poles sepd. by a diaphragm, with H_2O as catholyte and the purified sewage as anolyte; III, same as II, with electrodes interchanged. I gave a decrease in *Escherichia coli* and a decrease in ammonia N and E_h. The process takes place at an alk. reaction. II gave a considerable decrease in *E. coli* and ammonia N and an increase in E_h. The process occurs at an acid reaction. III gave an insignificant decrease in *E. coli*, an increase in ammonia N and a decrease in E_h, the process occurring at a strongly alk. reaction. S. A. Karjala

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

PROCESSES AND PROPERTIES INDEX

Bacterial control of sewage on the culture media of Dienert. L. B. Dobrovolskii. *Microbiology* (U. S. S. R.) 7, 966-75(1938); *Chem. Zentr.* 1939, II, 1734; cf. *C. A.* 32, 3065[5].—In order to make more complete the methods of bacterial investigation of sewage other media were tested in addn. to the standard media of Endo (I). These were the carbolated media of Endo (II), the nutrient media of Salle (III), and that of Dienert in different variations (IV). IV (1 cc. 5% aq. PhOH soln. per 100 cc. media) was found to be superior to I (at least for Moscow sewage). Inoculation of I on the surface was more satisfactory than deeper inoculation. III was found to be unsuited for bacterial investigation of sewage. W. A. M.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, L. B.

PA40T67

USSR/Medicine - Sewage Jun 1946
Medicine - Bacteriophage Occurrence

"Bacteriophagology of the Biologic Sewage Purification Processes," L. B. Dolivo-Dobrovol'skiy, Scientific Research Dept, Moscow Sewage Disposal Trust, 10 pp

"Mikrobiologiya" Vol XV, No 3, pp 239-48.

Aeration of sewage increases the titers of coliphage. Coliphage is capable of existing under anaerobic conditions and therefore Hellauer's opinion that bacteriophage is unable to exist in the absence of oxygen is erroneous. This is also corroborated by the report of Gildemeister and Herzberg. The fact that coli-

LC 40T67

USSR/Medicine - Sewage (Contd) Jun 1946

phage existed under conditions under which all the enteric flora had perished, confirms the accuracy of the view that bacteriophage is a retrospective indicator of fecal contamination.

40T67

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, L.B.

Priority of Russian scientists in certain problems of typhus abdominalis. Gig. sanit., Moskva no.7:38-39 July 1951. (CIML 25:1)

1. Of the Scientific-Research Sanitary Institute imeni Erisman.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, L.B.

AID P - 1497

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 12/19

Author : Dolivo-Dobrovol'skiy, L. B., Kand. of Tech. Sci., and Pavlovskaya, A.I., Scientific Worker

Title : Importance of cross-ventilation in the purification of air from bacterial pollution in school rooms

Periodical : Gig. i san., 2, 47-49, F 1955.

Abstract : A study of the efficiency of cross-ventilation in schools. The tests described prove that cross-ventilation must be introduced in all schools for reducing the bacteria content of the air. 4 tables.

Institution: Scientific Research Sanitation Institute im. Erosman

Submitted : My 17, 1954

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

AID P - 2192

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 12/19

Authors : Dolivo-Dobrovol'skiy, L. B., Kand. of Tech. Sci. and Pavlovskaya, A. I., Scientific Worker

Title : Using an albumen preparation from codfish for producing a culture medium

Periodical : Gig. i san., 5, 49-50, My 1955

Abstract : A preparation worked out by the All-Union Scientific Research Institute of Fish Economy and Oceanography is here described. This cod preparation can easily replace the expensive peptane and is recommended for sanitary and bacteriological water analyses. Tables. Four Russian references (1945-1952).

Institution : Scientific Research Sanitation Institute im. Erisman

Submitted : N 12, 1953

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO - DOBROVOL'SKIY, L. B.

USSR/Microbiology - Sanitary Microbiology. F-3

Abs Jour : Ref Zhur - Biologiya, No 7, 1957, 26325

Author : Dolivo-Dobrovol'skiy, ~~L.B.~~
Inst : State Scientific Research Institute of Sanitation
Title : Survival of Dysentery Bacteria in Reservoir Water. Communication 2. Death of Dysentery Bacillus Through the Process of Reservoir Re-Aeration.

Orig Pub : Inform.-metod. materialy Gos. n.-i. in-ta, 1955, No 3, 14-15

Abst : As the rate of aeration through blowing is increased (upwards of 0.015 liters of air per 1 liter of water per minute) and photosynthesis takes place in the water plants (the tests were made with Elodea and Scenedesmum), the death rate of the dysentery bacillus increases.

For Communication 1, see Outlines of Reports and Talks at the All-Union Scientific Conference on Problems of

Card 1/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

USSR/Microbiology - Sanitary Microbiology.

F-3

Abs Jour : Ref Zhur - Biologiya, No 7, 1957, 26325

Air Hygiene, Water Hygiene, and Sanitary Bacteriology, Publ. House AMN SSSR, Moscow, 1955, 144-145.

Card 2/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO - DOBROVOL'SKIY, L. B.

USSR/Microbiology - Sanitary Microbiology. F-3

Abs Jour : Ref Zhur - Biologiya, No 7, 1957, 26326

Author : Dolivo-Dobrovol'skiy, L.B., Rossovskaya, V.S.
Inst :
Title : The Problem of the Survival of Dysentery Bacteria in Reservoir Water.

Orig Pub : Gigiena i sanitaria, 1956, No 6, 52-55

Abst : Dysentery bacteria (Flexner, Sonne and Grigoryev-Shig bacilli) perish in stream water within 30 minutes to 4 days during the warm part of the year. Their death rate is the most rapid in polluted water (bacteria count of 2 million per milliliter, coli-titration 0.0001) in which dysentery bacteriophage has been observed prior to pollution. Areation speeds up the death rate eight times not only in stream water but also in a water-supply pipe poor in organic content.

Card 1/1

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, L.B.

"Micro-organisms and self-sterilization of the soil." E.N.Mishustin, Pertsovskaia, M.I. Reviewed by L.B.Dolivo-Dobrovol'skii. Mikrobiologiia 25 no.4:514-516 Jl-Ag '56. (MIRA 9:10)

(SOILS--BACTERIOLOGY) (SOIL POLLUTION)
(MISHUSTIN, E.N.) (PERTSOVSKAYA, M.I.)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, L. [redacted]

Survival of the dysentery pathogene in bodies of water. Biul.MOIP. Otd.biol. 61 no.4:108 Jl-Ag '56. (MIRA 10:8)
(SCHIGELLA) (WATER--BACTERIOLOGY)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, L.B., ZAVEL'SKIY, F.S.

Content of radiopotassium in city sewage [with summary in English]
Med.rad. 3 no.3:65-68 My-Je '58 (MIRA 11:7)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni Erismana.
(SEWAGE,
radiopotassium content in urban sewage (Rus))
(POTASSIUM, radioactive
determ. of content in urban sewage (Rus))

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, L.B., KONSTANTINOV, Yu.P., MUZYKANTOV, R.V.

Deactivating function of biocoenoses in purification systems with regard to the liquid phase of city sewage containing radioactive contaminations. Biul.MOIP. Otd. biol. 63 no.4:153-154 Jl-Ag '58 (MIRA 11:11)

(SEWAGE--PURIFICATION)
(RADIOACTIVE WASTE DISPOSAL)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, L.B.

Effect of reaeration on the survival of dysentery bacteria in bodies of water. Biul. MOIP. Otd. biol. 64 no.2:53-65 Mr-Ap '59. (MIRA 12:10)

(Shigella dysenteriae) (Water--Aeration)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, L.B., starshiy nauchnyy sotrudnik; KONSTANTINOV, Yu.P., mladshiy nauchnyy sotrudnik; MUZYKANTOV, R.V., mladshiy nauchnyy sotrudnik

Data on the deactivation of municipal sewage at biological treatment stations; preliminary report. Gig.i san. 25 no.2: 15-18 F '60. (MIRA 13:6)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR.

(RADIOACTIVE WASTE DISPOSAL)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

KUL'SKIY, Leonid Adol'fovich; SHEVCHENKO, Marina Aleksandrovna; KALINIYCHUK, Yefim Mikhaylovich; DOLIVO-DOBROVOL'SKIY, L.B., red.; NIKOLAYEVA, T.A., red. izd-va; RAKITIN, I.T., tekhn. red.

[Methods for improving the odor and taste of drinking water] Metody uluchsheniia zapakha i vkusa pit'yevoy vody. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1961. 98 p. (MIRA 15:1)
(Drinking water)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

KUL'SKIY, Leonid Adol'fovich; KALINIYCHUK, Yefim Mikhaylovich; DOLIVO-DOBROVOL'SKIY, L.B., red.

[Conditioning of drinking water; removal from water of phenols and petroleum products] Konditsionirovanie pit'evoi vody; ochistka vody ot fenolov i nefteproduktov. Moskva, Stroiizdat, 1964. 83 p. (MIRA 17:10)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

PROCESSES AND PROPERTIES INDEX

Chemical investigation of the amounts of copper-bearing ore in the Dzhezkazganskii copper ore and the products of its flotation. V. V. Dolivo-Dobrovolskii. *Inst. Mekhanicheskoi Obrabotki Poleznykh Iskopaemykh Mekhanobr (Inst. Mech. Treatment Ores). Repts. on Concn. of Ores* 1939, No. 1, 61-95.—Four samples of a Cu ore composed of bornite and chalcopyrite had an average of total Cu 2.86-14.77, oxidised Cu 0.23-0.[illegible], Fe 2.41-6.23 and S 1.72-8.80%, or a sulfide average of 5.38-28.79%. Some of the Cu is oxidised in drying operations after the flotation. The ratio of bornite to chalcopyrite Cu in the tailings is lowered with increase in the no. of flotation operations. A typical concentrate contained Cu_2FeS_4 68.18, $CuFeS_2$ 4.35, SiO_2 19.72, Al_2O_3 3.65, Fe_2O_3 0.54, $CaCO_3$ 3.94 and $MgCO_3$ 2.05%. The following flotation media were applied: oil P. O. No. 1 (Naval Store Co.), creosote No. 24 (Naval Store Co.), Na_2CO_3, KCN, Russian pine oil, Russian creosote oil, xanthate, $Ca(OH)_2$, sulfurized oils (obtained through the action of P_2S_5 on turpentine, kerosene and cresol). A. A. B.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

ca

8

Crystals of magnesium sulfate hexahydrate (hexahydrite). V. V. "Dolivo-Dobrovolskii." *Mém. soc. russe minéral.* [2], 58, 3-63(1929); *Mineralog. Abstracts* 4, 378.--In the Saki salt lakes, Crimea, after the sepn. of NaCl, spear-shaped crystals of $MgSO_4 \cdot 7H_2O$ (detd. by analysis), which differ from epsomite in form, separate. Thick, tabular, monoclinic crystals of $MgSO_4 \cdot 6H_2O$ also occur. Optical and crystallographic data on hexahydrite and on artificial $MgSO_4 \cdot 6H_2O$ are given. J. F. Schairer

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

Laboratory investigation of the roasting and acid treating of zinc concentrate from the Ilidonskii ores concentrated by flotation. V. V. Dolivo-Dobrovolskii. *Inst. Mekhanizatsii Obrabotki Poleznykh Iskopaemykh Mekhanizatsii (Inst. Mech. Treatment Ores). Repts. on Concn. of Ores* 1939, No. 2, 197-209.—The concd. Zn ore contained ZnS 70.29, Pb 4.08, $CuFeS_2$ 1.28, CdS 0.08, FeS_2 11.40, FeS 7.09, Al_2O_3 1.10, SiO_2 1.33, MnO 0.11, MgO 0.09, $CaCO_3$ 8.23 and (As + Sb) 0.02%. The best roasting temp. (under lab. conditions) is 600°, while treatment with 5-10% H_2SO_4 exts. 91.5-93.5% of the Zn. The expt. procedure is described and the results are tabulated and plotted. A. A. Boehtlingk

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

PROCESSES AND PROPERTIES

Investigation of the refining of zinc obtained by distillation at Alagir. N. P. ASKIN, V. V. DOLIVO-DOBROVOLSKII AND B. F. GRIBANCHENKO. *Suppl. to Tsvetnye Metally* 5, No. 5, 1-40(1936); *Colored Metals* 1936, 40 pp.; *Chimie & industrie* 15, 617 S.—The Zn used contained up to 0.45% Pb, 0.19% Fe and 0.21% Cd; 2 methods of refining were used: liquation and redistn. (1) The best liquation temp. is 450°, the time varies according to the degree of purity of the Zn; the rate of sepn. of Pb increases with decrease in the Fe content. (2) A second liquation gives no appreciable improvement in the purity of the Zn. (3) By liquation, the Pb content can be reduced to 0.8%, and the Fe content to 0.020%. The limiting Pb content is, therefore, lower than that hitherto indicated (1.5-1.7%). (4) No solid soln. of Fe in Zn was observed, the microstructure showed the formation of crystals of FeZn₇ with Fe contents of 0.08% or over. (5) Redistn. can give as low an Fe content as 0.05%, provided all overheating is avoided and the distn. is not carried too far. On continuing the distn. beyond a certain point the purity of the distd. Zn falls off appreciably. (6) It is advantageous to subject the impure Zn first to liquation, and then to redistil it. (7) Cd can be removed only by fractional distn.

A. PAPINEAU-COUTURE

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Experiments on the chemical treatment of the lead-zinc ore of the Maltsev deposit. V. V. Dobrovolskii. *Inst. Mekhanicheskoi Obrabotki Poleznikh Iskopaemnikh Mekhanobr (Inst. Mech. Treatment Ores) Repts. on Concn. of Ores* 1931, 28-45.—The chemical composition of the above ore, depending on the size of the grain, had the following ranges: Pb 8.38-12.34, Zn 14.07-19.50, Fe 16.65-24.03%. The complete chemanalysis of a fair av. sample of the ore was Pb 9.41, Zn 18.79, Cu 0.06, S 0.37, SiO_2 9.54, Al_2O_3 traces, Fe_2O_3 28.58, MnO 0.25, CaO 1.83, MgO 0.53, Sn 0.22, As 0.75, Sb 0.39 and CO_2 13.11%. Loss through heating was 18.90% and Au amounted to 1.25 g. per ton and Ag 0.2325 kg. per ton of ore. The tailings obtained after flotation contained Pb 2.79, Zn 22.27, Cu 0.06, S 0.22, SiO_2 10.76, Al_2O_3 traces, Fe_2O_3 29.74, MnO 0.11, CaO 1.76, MgO 0.90, CO_2 14.78, losses through heat treatment 20.40, Sn 0.20, As 0.64, Sb 0.29%, Au 1.0 g. per ton and Ag 0.0765 kg. per ton of ore. A H_2SO_4 treatment of the above tailings yielded 86% of Zn present in the ore, while treatment of the ore gave a yield of up to 91-92%. A. A. B.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

BC

B-I-5

Chlorination of Kerch iron ore. V. V. Dolivo-Dobrovolskii and K. Y. Bremman (Inst. Mech. Treat. Ores, Russia; Conc. Iron Ores Kerch Penin., 1939, No. 1, 9—20).—On treatment of limonite and nontronite with Cl_2, Fe passes into the distillate. When HCl is used Fe is volatile, whilst As remains in the residue. P has a retaining effect on As, both concentrating in the residue. The temp. should be 500—600°. Ch. Abs.

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Ca

9

Problem of concentration of low-grade nickel ores. V. V. Dobrovolskii. *Gorno-Obogatitelnoe Delo* 1932, No. 2-3, 50-68.—Samples of Khalilov, Tyulchev and Malksk Ni-Fe ores, contg. 0.40-1.34 Ni, 22.64-63.10 Fe_2O_3 and 0.36-0.87% Cr were treated with 2, 5 and 10% solns. H_2SO_4 for periods varying between 1 and 48 hrs., also with 5% oxalic acid for periods of 3-24 hrs. Max. extn. of Ni, up to 94.4%, and of Fe, up to 84.0%, was obtained by treating Khalilov ore with 10% H_2SO_4 for 12 hrs.

S. L. Madorsky

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

BC

B-I-6

Suitability of oxidised copper ores for concentration. V. V. Dolivo-Dobrovolski (Gorno-Obogat. Delo, 1932, No. 7—8, 33—41).—Differences in the results of flotation of apparently similar batches of oxidised Cu ores are due to differences in the ratio of the Cu in the form of free minerals with free surfaces to the Cu combined with the gangue as highly dispersed small grains or in chemical combination with it. The free Cu mineral can be determined by dissolution with KCN.

Ch. Abs.

COMMON ELEMENTS

COMMON VARIABLES INDEX

MATERIALS INDEX

OPEN

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AUTHOR INDEX

1ST AND 2ND LETTER

3RD AND 4TH ORDERS

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

BC

B-I-6

Composition and distribution of mineral compounds in complex copper ores. V. V. Dolivo-Dobrovolski (Gorno-Obogat. Delo, 1932, No. 12, 11—18).—The finely-powdered ore is treated with (a) dil. H_2SO_4 and H_2SO_4 at 60—80°, (b) KCN solution followed by dil. H_2SO_4 and H_2SO_4. The distribution of Cu between solutions and residues gives a complete mineralogical picture of the ore, whence the limits of concn. of an ore by flotation, at a given particle size, can be determined. Ch. Abs.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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CA

9

PROCESSES AND PROPERTIES INDEX

Determination of the free surface of chalcopyrite. V. V. Dolivo-Dobrovol'skii. *Inst. Mekhanicheskoi Obrabotki Polezniukh Iskopaemnikh "Mekhanobr," 15 yrs. Socialistic Ind. Service* 1, 90-110(in English 110-11) (1935).—In connection with the problem of flotation and soln. of sulfide ores, the rate of sply. of pure chalcopyrite in various reagents was studied. If the rate of soln. and size of the crude mineral grain are known, the amt. of free or active surface of chalcopyrite can be detd. Treatment of chalcopyrite with Na_2SO_3 in dil. solns. of H_2SO_4 or AcOH and with KCN showed that the amts. of Fe and Cu dissolved are in the ratio of their at. wts. Repeated treatment did not show a decrease in the rate of decompn. of the chalcopyrite. Amt. of dissolved S corresponded to CuS. Varying concns. of Na_2SO_3 and H_2SO_4 between 0.1 and 1.0% did not affect the rate of decompn. of chalcopyrite appreciably. Change of temp. from 20° to 40° increased the rate of decompn.; between 40° and 60° it remained const. Pyrite and Zn do not affect the rate; therefore this method of detg. free surface of chalcopyrite can be applied to cases where the mineral is included in Cu or Cu-Zn sulfide ores. S. L. Madorsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND GROUPS

PROCESSES AND PROPERTIES INDEX

2

CA

Methods of crystallographic determination of substances. V. V. Dolivo-Dobrovol'skii. *Ann. scient. anal. phys.-chim., Inst. chim. gén.* (U. S. S. R.) 9, 33-60(1936).—A crit. discussion with about 30 references.
Chas. Blanc

COMMON ELEMENTS

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSES AND PROPERTIES INDEX

CA

9

Flotation of oxidized ores of the colored metals. (Comment on the paper by D. M. Chizhikov, N. N. Zaprudskii, and S. M. Shurygin on "Concentration of oxidized ores of the colored metals.") O. S. Bogdanov, V. V. Dolinovskii, and A. I. Andreeva. *Tsvetnye Metal* 16, No. 20, 20-2(1941). *Chem. Zentr.* 1944, I, 1210; cf. *C.A.* 38, 3033°.—The process of complete sulfidization is of interest in the flotation of hard, oxidized ores, difficult to concentrate.

M. G. Moore

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, Vadim Vladimirovich, 1904- ; KLIMENKO, Yu.V.; SIROKOMSKIY, V.S., professor, retsenzent.

[Phase analysis of ores] Ratsional'nyi analiz rud. Sverdlovsk Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1947. 190 p. (MLRA 7:6)

(Ores--Sampling and estimation)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO*DOBROVOL'SKIY, V. V.

Crystallography

Several aspects of the principal direction in twin crystals. Zap. Vses. min. ob. 81 no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, Vl.V.

A new type of diagram for identifying feldspars. Zap.Vses.min.ob-va 82 no.2:122-124 '53. (MLRA 6:6)
(CA 47 no.22:12147 '53) (Feldspar)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V.V.

BOGDANOV, O.S., doktor tekhnicheskikh nauk, professor, redaktor; BRAND, V.Yu., kandidat tekhnicheskikh nauk, redaktor; DERKACH, V.G., kandidat tekhnicheskikh nauk, redaktor; DOLIVO-DOBROVOL'SKIY, V.V., doktor tekhnicheskikh nauk, redaktor; ZAKHVATKIN, V.K., redaktor; KACHAN, I.N., kandidat tekhnicheskikh nauk, redaktor; OLEVSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; LOKONOV, M.F., kandidat tekhnicheskikh nauk, redaktor; PARFENOV, A.M., kandidat tekhnicheskikh nauk, redaktor; PODNEK, A.K., redaktor; POLIVANOV, K.Yu., redaktor; FINKEL'SHTEYN, G.I., kandidat tekhnicheskikh nauk, redaktor; FOMIN, Ya.I., kandidat tekhnicheskikh nauk, redaktor; SHINYAKOV, M.I., redaktor; YUDENICH, G.I., doktor tekhnicheskikh nauk, redaktor; BYKOV, G.P., redaktor; YEZDOKOVA, M.L., redaktor izdatel'stva; EVENSON, I.M., tekhnicheskiy redaktor

[Proceedings of the Third Scientific Session of the Institute of Mechanical Processing of Economic Minerals] Trudy III nauchno-tekhnicheskoi sessii instituta Mekhanobr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 758 p. (MLRA 10:8)

1. Leningrad. Nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh
(Ore dressing) (Flotation)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

SOV/137-57-11-20791

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 22 (USSR)

AUTHOR: Dolivo-Dobrovol'skiy, V.V.

TITLE: The Composition of the Zinc Blende of the Degtyarsk Occurrence (O sostave tsinkovoy obmanki Degtyarskogo mestorozhdeniya)

PERIODICAL: Obogashcheniye rud, 1956, Nr 5, pp 11-15

ABSTRACT: In connection with the elaboration of a flowsheet for dressing the Cu-Zn ores of the Degtyarsk occurrence, particular interest attaches to determination of the contents of isomorphically fixed Fe and highly-disperse inclusions of Cu sulfides in the ZnS of these ores. An investigation is made of the Zn concentrate of the pyrite ore obtained by flotation of a production sample. Experiments are mounted to study the kinetics of ZnS dissolution when Zn concentrate is treated with 20% H_2SO_4 without access of air. The observed regularities of change in the relationships between the quantities of Zn and Fe going into solution result in determining the Fe contents of the ismorphic impurity in the ZnS at 1.63%. In composition, the ZnS of this specimen demands classification as a very dense variety of ZnS, low in iron content. To evaluate the attainable quality of

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SOV/137-57-11-20791

The Composition of the Zinc Blend of the Degtyarsk Occurrence

the Zn concentrate, interest attaches not only to the chemical composition of the ZnS but also determination of the presence in ZnS of highly disperse inclusions of Cu and Fe sulfides which cannot be isolated with even the finest grinding. Experiments in selective dissolution of ZnS from the +20-micron class of Zn concentrate demonstrate the presence of up to 1% Cu in the ZnS in the form of highly disperse inclusions of sulfides of < 5-micron size.

S.M.

Card 2/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

SOV/137-57-11-22762

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 304 (USSR)

AUTHORS: Dolivo-Dobrovol'skiy, V. V., Teranova, Ye. T.

TITLE: On the Problem of the Removal of Kerosene in the Purification of Waste Waters From Flotation Plants of the Non-ferrous Metals Industry (K voprosu ochistki stochnykh vod flotatsionnykh fabrik tsvetnoy metallurgii ot kerosina)

PERIODICAL: Obogashcheniye rud, 1956, Nr 6, pp 23-27

ABSTRACT: As the result of a study of various ways of removal of kerosene from waste water the following possibilities were established: the purification to sanitary standards of water containing 3.5 - 4 mg/ℓ of kerosene when the waste water is diluted to 12 - 15 times its volume in the reservoir; the utilization of the process of the sorption of kerosene with freshly precipitated iron hydroxide which has formed in the treatment of the water with iron sulfate and slaked lime and followed by filtration through a sand or slag filter. It is noted that for a 100-mg/ℓ kerosene content in water the consumption of reagents amounts to 70-100 mg/ℓ CaO and 350 - 380 mg/ℓ $FeSO_4 \cdot 7H_2O$, and the selection thereof in

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On the Problem of the Removal of Kerosene (cont.)

each specific case should be made after taking into account the economic factors and the necessity of using the water, for example, for a recirculation water supply.

Ye. L.

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ALEKSEYEV, I.N.; BOGDANOV, O.S.; BYKOV, G.P.; GROSMAN, L.I.; DOLIVO-DOBROVOL'SKIY, V.V.; DERKACH, V.G.

Grigorii Ivanovich IUdenich; obituary. Gor.zhur. no.6:53 Je '56. (MLRA 9:8)

(IUdenich, Grigorii Ivanovich, died 1956)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

15-57-12-17318

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 12, p 94 (USSR)

AUTHOR: Dolivo-Dobrovol'skiy, V. V.

TITLE: Corrections for Refraction in Determining the Indicatrix Axes on the Fedorov Stage (O popravkakh na prelomleniye pri nakhozhdenii osey indikatrisy na fedorovskom stolike)

PERIODICAL: Zap. Vses. mineralog. o-va, 1957, Vol 86, Nr 1, pp 28-39

ABSTRACT: In determining the position of optic axis of a uniaxial crystal by aligning it with the I-axis of the Fedorov stage (determination of principal section), a correction for the difference in indices of refraction of a crystal and of the hemispheres is not necessary for minerals with Ne below 1.8. It is necessary to introduce a correction for minerals with a larger index of refraction; a special nomogram is proposed for finding this correction. When determining the position of optic axis of a uniaxial crystal by its alignment with the

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15-57-12-17318

Corrections for Refraction in Determining the Indicatrix (Cont.)

axis of the microscope (determination of the isotropic section), a correction for refraction is introduced according to usual sine formula.

Card 2/2

O. V. Karpova

1. Leningradskiy gornyy institut.
(Optical measurements) (Crystallography)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

Dolivo-Dobrovol'skiy, V. V.

USSR / Physical Chemistry - Surface Phenomena, Adsorption, Chromatography, Ion Interchange. B-13

Abs Jour : Referat. Zhurnal Khimiya, No.1, 1958, 603.

Author : V.V. Dolivo-Dobrovol'skiy, T.A. Rogachevskaya.
Inst : -
Title : Depressing Action of Some High-Molecular Organic Compounds on Sulfide Minerals.

Orig Pub : Obogashcheniye rud, 1957, No.1, 38 - 40.

Abstract : Laboratory experiments for the study of the depressing action of a series of high-molecular organic compounds on the flotation of PbS, ZnS and $CuFeS_2$ were carried out. It is shown that starch soluble in water (I) depresses activated by Cu ions and not activated $CuFeS_2$ and ZnS in neutral media and, in a still greater degree, at pH = to 8.5, and does not depress PbS. It is possible to separate PbS from $CuFeS_2$ and ZnS by flotation of synthetic mixtures PbS - ZnS -

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

USSR / Physical Chemistry - Surface Phenomena, Adsorption, Chromatography, Ion Interchange. B-13

Abs Jour : Referat. Zhurnal Khimiya, No.1, 1958, 603.

Abstract : quartz and PbS - $CuFeS_2$ - quartz using I. Similar results of PbS separation from other sulfides were obtained replacing I with a cheaper depressor - cereal flour in 0.1 NaOH solution. Slops of sulfite lyes in the amount of 1000 g per ton are a depressor for not-activated ZnS in a neutral medium; PbS is not depressed under these conditions. Contrarily to the studied substances, carboxymethylcellulose does not cause sulfide depression even in the amount of 4000 g per ton.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V. V.

Maslenitskiy, I. N. and V. V. Dolivo-Dobrovol'skiy (Mekhanobr)

"The rendering harmless of waste water from beneficiation plants"

report presented at the 4th Scientific and Technical Session of the Mekhanobr Inst, Leningrad, 15-18 July 1958

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

AUTHOR: Dolivo-Dobrovol'skiy, V. V. SOV/163-58-3-18/49

TITLE: The Removal of the Arsenate Ion From Aqueous Solutions of Low Concentrations (Udaleniye arsenat-iona iz vodnykh rastvorov nizkoy kontsentratsii)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958, Nr 3, pp 104 - 107 (USSR)

ABSTRACT: The removal of arsenate from washing waters in the processing of copper-nickel was investigated. The arsenate content in the washing water amounts to 10^{-4} - 10^{-3} mol/l. The optimum conditions for removing arsenate are obtained by a reduction of the pH-value of the solutions. At a pH-value of the solution of 7-7,5 the arsenate content reaches a concentration lower than the stipulated sanitary standards. The dependence of the concentration of the arsenate ion on the pH value of the solutions was graphically shown. Arsenate was co-precipitated with iron hydroxide precipitations. The dependence of the residual concentration of the arsenate ion on the concentration of the hydroxyl ion of the final solution is of special importance. The interaction of the

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reaction of the iron-arsenate precipitate obtained with the hydroxyl ions in the solution is expressed by the following equation:

$$Fe_n(AsO_4)_m(OH)_{3(n-m)} + xp(OH^-) + (1-x)p.H_2O \rightleftarrows Fe_n(AsO_4)_{m-\frac{p}{3}}(OH)_{3(n-m)+\frac{p}{3}}\left[(H_{3(1-x)}AsO_4)^{3x-}\right],$$ where x=1; 2/3 and 1/3.

Arsenic is obtained from the precipitate in the solution in form of the ions AsO_4^{3-}, $HAsO_4^{2-}$ and $H_2AsO_4^-$. The experiments carried out to co-precipitate arsenate under the optimum conditions found show that for reaching the sanitary standards it is necessary to take a 2- to 3-fold iron sulfate excess. The washing waters after the purification process at an optimum pH-value are completely free from nickel and cobalt; they are completely retained in the precipitate of iron arsenate. There are 1 figure, 3 tables, and 6 references, which are Soviet.

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The Removal of the Arsenate Ion From Aqueous Solutions of Low Concentrations SOV/163-58-3-18/49

ASSOCIATION: Leningradskiy gornyy institut (Leningrad Mining Institute)

SUBMITTED: October 1, 1957

Card 3/3

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V.V.

Optical reactions of the winning axis in studying twins on the Fedorov stage. Min.sbor. no.12:406-417 '58.
(MIRA 13:2)

1. Gornyy institut imeni G.V.Plekhanova, Leningrad.
(Crystallography)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V.V.

B.S. Levonik's article "Quantitative determination of minerals in ores by the method of determinants". Zap. Vses. min. ob-va 88 no.5: 612 '59. (MIRA 13:2)

(Mineralogy, Determinative)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

NIKOLAYEV, Viktor Arsen'yevich; DOLIVO-DOBROVOL'SKIY, Vladimir Vital'yevich; YELISEYEV, I.A., red.; GORCKHOVA, T.A., red. izd-va; GURO-VA, O.A., tekhn. red.

[Fundamentals of the theory of processes of magmatic activity and metamorphism] Osnovy teorii protsessov magmatizma i metamorfizma. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1961. 337 p. (MIRA 14:12)
(Magma) (Metamorphism (Geology))

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V.V.

Three-phase curve in the systems "rock-forming silicate-water." Zap. Vses. min.ob-va 90 no.2:162-167 '61. (MIRA 14:9)
(Phase rule and equilibrium)
(Silicates)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V.V., otv. red.; PIASTRO, V.D., red.;
ZHUKOVA, Ye.G., tekhn. red.

[Chemical phase analysis of ores and minerals] Fazovyi khimicheskii analiz rud i mineralov. Leningrad, 1962. 201 p. (MIRA 15:5)

(Mineralogy, Determinative)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V. V.

Beer's stereoconoscopic figures and balls. Zap. Vses. min. ob-va 91 no.4:433-441 '62. (MIRA 15:10)

(Crystallography, Mathematical)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V.V.

Some regularities of the dissolving process of a dispersed solid. Zap. LGI 42 no.3:3-24 '63. (MIRA 17:10)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V.V., prof.

Using correction coefficients in the mineragraphic determination of the intergrowth content in comminution and concentration products. Obog. rud. 8 no.3:37-40 '63.

(MIRA 17:1)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

VORONOV, P.S.; DOLIVO-DOBROVOL'SKIY, V.V.

Geological and geomorphological characteristics of the region of the Snyder Nunataks on the Knox Coast of East Antarctic. Zap. LGI 47 no.2:35-48 '64. (MIRA 18:3)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V.V.

Determining the optical orientation of plagioclase on the Fedorov universal stage. Zap. Vses. min. ob-va 93 no.4:390-398 '64 (MIRA 18:2)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLIVO-DOBROVOL'SKIY, V.V.

Refraction corrections in finding the axes of indicatrix on the Fedorov universal stage. Part 2. Zap.Vses.min.ob-va 94 no.2:143-148 '65. (MIRA 18:5)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

SOLOV'YEV, S.P.; DOLIVO-DOBROVOL'SKIY, V.V.

Report on the activity of the Mineralogical Society of the U.S.S.R. for 1964. Zap. Vses. min. ob-va. 94 no.4:486-495 '65. (MIRA 18:9)

1. Vitse-prezident Vsesoyuznogo mineralogicheskogo obshchestva (for Solov'yev). 2. Uchenyy sekretar' Vsesoyuznogo mineralogicheskogo obshchestva (for Dolivo-Dobrovol'skiy).

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLJAK, Branko, ing. (Zagreb)

Transformer oils. Elektrotehnika Hrv 1 no.1-2:18-22 '58.

1. Sef Kemijskog laboratorija "Rade Koncar", Zagreb

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOIJAK, M.

"Developers, fixatives, and other photographic chemicals of the Fotokemika Plant."
Fotokemijska.
KEMIJA U INDUSTRIJI, Zagreb, Vol 3, No 5, May 1954, p. F17

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000410820017-8

DOLJAK, M.; SPLAIT, M.

Silver in the photochemical industry. Fotokemijska. p. 7. KEMIJA U INDUSTRIJI. (Drustvo kemicara-tehnologa NR Hrvatske. Sekcija kemicara) Zagreb. Vol. 5, no. 3, Mar. 1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

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