ACCESSION NR: AT4030803 S/0000/63/000/000/0172/0181

AUTHOR: Naydich, Yu. V.; Lavrinenko, I. A.; Yeremenko, V. N.

TITLE: The study of the effect of capillary phenomena on the packing process during sintering in the presence of the liquid phase

SOURCE: AN UkrSSR. Institut metallokeramiki i spetsial'nykh splavov. Poverkhnostnyye yavleniya v rasplavakh i protsessakh poroshkovoy metallurgii (surface phenomena in liquid metals and processes in powder metallurgy). Kiev, Izd-vo AN UkrSSR, 1963, 172-181

TOPIC TAGS: capillary phenomenon, packing process, sintering, liquid phase, metal powder, tungsten, copper, silver, tungsten based alloy, copper containing alloy, silver containing alloy, wetting

ABSTRACT: The authors studied the subject effect in systems where the solid phase is insoluble in the liquid phase. The effect of the degree of wetting and the amount of the liquid phase on the packing process during sintering, in the presence of a liquid phase in tungsten-copper and tungsten-silver systems, was studied. The rise of shrinkage with temperature increase was detected for which the probable cause was the increase in the degree of wetting. It was shown that a change of the

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ACCESSION NR: AT4030803

contact angle of wetting led to a sharp change of capillary pressure, in connection with which greater packing should be observed. The effect of the amount of liquid phase on the packing process was studied. It was shown that shrinkage with a rise in the amount of the liquid phase increases at first, passes a maximum, and then falls. Such a change in shrinkage is located in accordance with a similar course of the curve of capillary wetting force which is active during sintering. The maximum packing was observed at 50-60% of the filled pores. At this time the greatest capillary forces between particles were observed. Capillary phenomena play a large role during sintering in the presence of a liquid phase of the metal systems and require further detailed study. Orig. art. has: 12 figures.

ASSOCIATION: Institut metallokeramiki i spetsial'ny*kh splavov AN UkrSSR(Institute of Metal Ceramics and Special Alloys, AN UkrSSR) ✓

SUBMITTED: 23Nov63 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: ML, PH NO REF SOV: 004 OTHER: 004

Card 2/2

YEREMENKO, V.N. (Kiyev); MAYDICH, Yu.V. (Kiyev); VASILIU, M.I. (Kiyev)

Surface tension of melts in the system cobalt - tin. Izv. AN SSSR. Met. i gor. delo no.5:64-67 S-O '63. (MIRA 16:11)

NAYDICH, Yu.V.; KOLESNICHENKO, G.A.

Investigating the wetting of diamonds and graphite by liquid metals. Porosh. met. 3 no.1:49-52 Ja-F '63. (MIRA 16:3)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.
(Liquid metals) (Graphite) (Adhesion)

ACCESSION NR: AP4015260 S/0226/64/000/001/0005/0011

AUTHOR: Naydich, Yu. V.; Lavrinenko, I. A.; Yeremenko, V. N.

TITLE: The role of capillary phenomena in the process of densification during sintering in the presence of a liquid phase

SOURCE: Poroshkovaya metallurgiya, no. 1, 1964, 5-11

TOPIC TAGS: sintering, liquid phase sintering, compact sintering, compact shrinkage, liquid phase effect, capillary effect

ABSTRACT: The study centered on the first stage of densification (i.e., during liquid flow or the regrouping of solid particles for the W-Cu and W-Ag systems, whose solid phases are not soluble in the liquid phases. The materials used were of technical purity; particle diameter was less than 0.040 m. Shrinkage was found to increase with temperature, probably due to a better wetting of the solid phase. The expression

$$F=\sigma\left[\pi R^2\sin^2\varphi\left(\frac{1}{\rho_0}-\frac{1}{\rho_1}\right)+2\pi R.\ \sin\varphi\cdot\sin(\varphi+\Theta)\right], \qquad (1)$$

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ACCESSION NR: AP4015260

was derived for the compressive force for the case of two spherical particles with liquid menisci between them (see Fig. 1 in the Enclosure), in relation to the contact angle of wetting. Here, ζ_1 and ζ_2 are curvature radii (see Fig. 1), φ is an angle governed by the volume of liquid, σ is the surface tension at the liquid-gas boundary, Θ is the contact wetting angle. Variation in the latter results in a sharp change of capillary pressure. Greater shrinkage should result when wetting is more extensive. Shrinkage increases with an increase in volume of liquid phase, peaks when pores are filled to 50 to 60%, then decreases. It is concluded that capillary phenomena are of substantial significance in the sintering process. Orig. art. has: 9 figures and 1 formula.

ASSOCIATION: Institut problem materialovedeniya AN UkrSSR (Institute for the Problems of Materials Improvement, AN UkrSSR)

SUBMITTED: 13Jan63 ATD PRESS: 3071 ENCL: 01

SUB CODE: MM NO REF SOV: 005 OTHER: 004

Card 2/3

ACCESSION NR: AP4015260

ENCLOSURE: 01

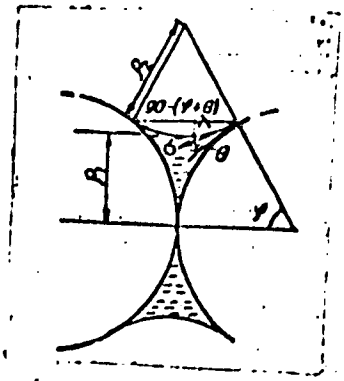

Fig. 1. Dependence of compacting force for two spherical particles with liquid menisci on the marginal angle of particle surface.

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ACCESSION NR: AP4040468 S/0226/64/000/003/0023/0028

AUTHOR: Naydich, Yu. V.; Kolesnichenko, G. A.

TITLE: Wetting of diamond and graphite by molten metals and alloys. III. Wetting of diamond crystals

SOURCE: Poroshkovaya metallurgiya, no. 3(21), 1964, 23-28

TOPIC TAGS: diamond wetting, diamond wettability, diamond, molten metal wetting ability, surface active element, lanthanide, actinide

ABSTRACT: Wetting of diamond crystals by molten Cu, Ag, Au, Ge, Sn, In, Sb, Pb, Al, and by vacuum-melted alloys of Ti, Cr, and B with Cu, Sn, and Ag has been investigated. It was found that, as in the case of graphite, transition metals and nontransition elements Al and B which form stable carbides readily wet the diamond surface. The only observed exception is a Cu-2% B alloy which wets diamond at 1150C (the contact angle = 35 deg after a 30 min exposure) but does not wet graphite. Al begins to wet diamond at 1000C, making a contact angle of 75 deg after a 15-min exposure. Nontransition elements,

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ACCESSION NR: AP4040468

which do not form compounds with carbon do not wet diamond, but even small additions of transition metals, e.g., Cr and Ti, make them strong wetting agents. For example, addition of 0.3 and 0.5% Cr decreases the contact angle of Cu on diamond from 145 to 37 and 22 deg, respectively. Addition of Ti produces a similar effect. A 10% addition of Ti decreases the contact angle of Cu from 145 to 0 deg, addition of 1% Ti reduces the contact angle of Sn from 125 to about 10 deg, and addition of 2% Ti to a C-20% Sn alloy decreases its contact angle from 130 to 0 deg. On the basis of the data obtained it can be assumed that the transition elements with the least-filled d- or f-levels, e.g., Sc, Zr, V, etc., will be the most surface-active elements in graphite or diamond wetting, and the elements of the group-VIII will be the least active. Of the nontransition elements, alkali-earth and, probably, alkali metals can be expected to be strong wetting agents. With respect to graphite and diamond, the same can be said of lanthanides and actinides. Orig. art. has: 5 figures and 2 tables.

Card 2/3

ACCESSION NR: AP4040468

ASSOCIATION: Institut problem materialovedeniya AN USSR (Institute of Problems of the Study of Materials, AN USSR)

SUBMITTED: 24Dec62 ATD PRESS: 3050 ENCL: 00

SUB CODE: MT, MM NO REF SOV: 004 OTHER: 001

Card 3/3

ACCESSION NR: AP4035067 S/0032/64/000/005/0567/0568

AUTHORS: Kaydich, Yu. V.; Vasiliu, M. I.

TITLE: Determining the specific gravities of molten metals by the method of calibrated volume

SOURCE: Zavodskaya laboratoriya, no. 5, 1964, 567-568

TOPIC TAGS: molten metal, metal specific gravity, calibrated volume method, tin specific gravity, cobalt specific gravity

ABSTRACT: A method for determining the specific gravity of molten metals at high temperatures was developed. An apparatus was used to measure the surface tension by determination of the maximum pressure in a gas bubble. Metal was placed in an Al_2O_3 crucible previously calibrated with mercury. Heating was performed in a resistance oven with a 1900C capacity. After reaching the proper temperature the crucible was covered with a lid attached to a vertical ceramic rod. The rod was fixed to a steel bar passing through an airtight gasket in the cover of a container. In operation the bar moved vertically, the lid covered the crucible, and the excess metal flowed into another calibrated container. After cooling, a given volume of

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ACCESSION NR: AP4035087

metal was weighed. The proposed method is more accurate than the previous ones because it takes into account the thermal expansion of the crucible material. This is accomplished by determining the coefficient of expansion for the crucibles. The results of the density determinations for tin and cobalt agreed well with the known data but differed from other results arrived at by less exact methods. The density of the molten Co-Sn system at 1550C was also determined in an atmosphere of helium. Orig. art. has: 2 graphs.

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov Akademii nauk UkrSSR (Institute of Metalloceramics and Special Alloys, AN UkrSSR)

SUBMITTED: 00 DATE ACQ: 20May64 ENCL: 00

SUB CODE: MM NO REF SOV: 002 OTHER: 005

Card 2/2

/EWP(b)/EWP(t) Pad/Pt-10/Pu-4

electronic structure

Fizika metallov i metallovedeniye v. 18 no. 2 1964, 193-197

TOPIC TAGS: nickel alloy, carbon solubility, electronic structure, d level,

Card 1/3

L 20067-65
ACCESSION NR: AP4044145

2

authors acknowledge the contribution of T. N. Nazarchuk. Orig. art. has: 1 fig-

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR)
(Institute of Power Metallurgy and Special Alloys, AN UkrSSR)

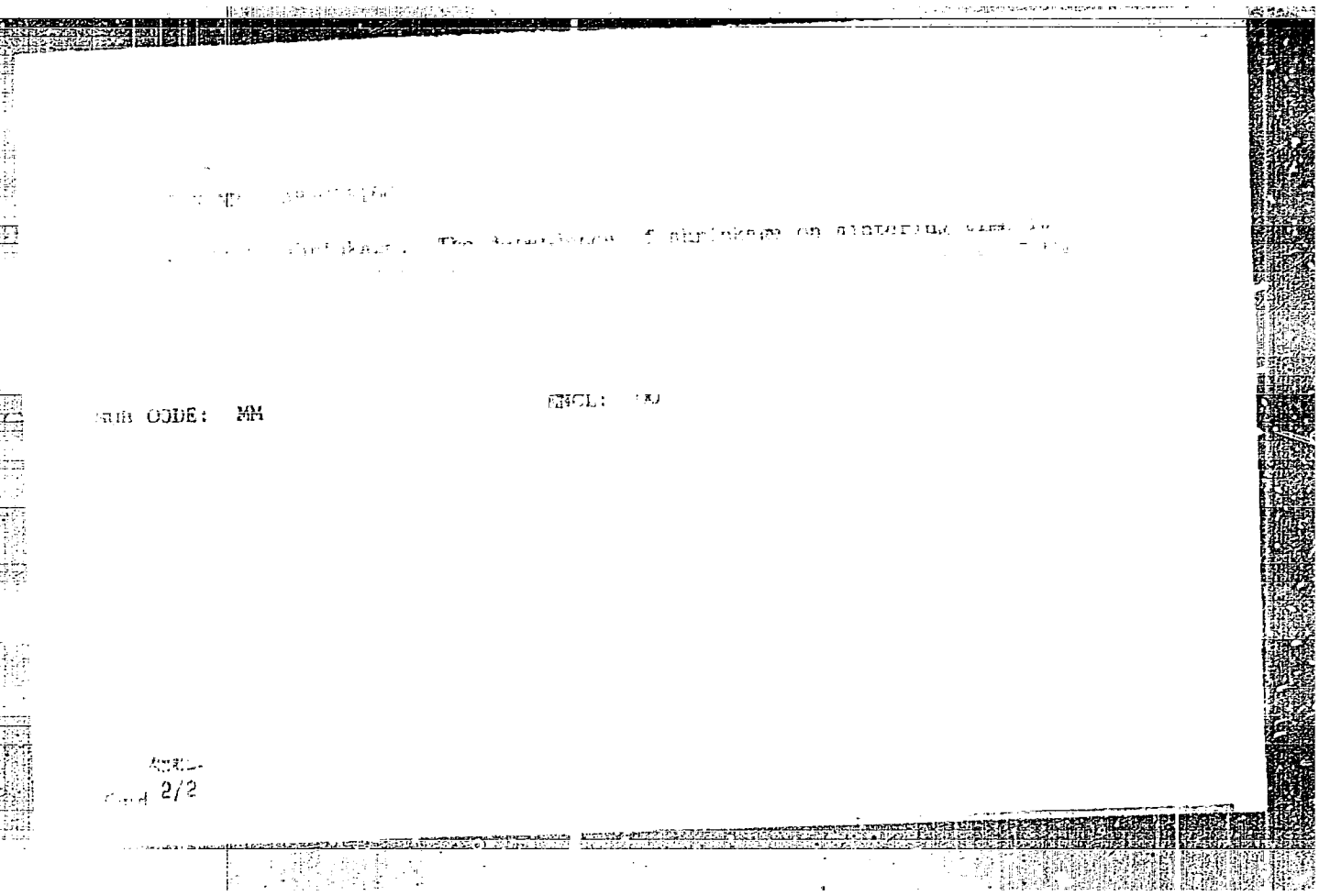
SUBMITTED: 09Dec63 ENCL: 01

SUB CODE: MM NO REF SOV: 004 OTHER: 004

Card 2/3

study of densening processes in liquid phase sintering in the system

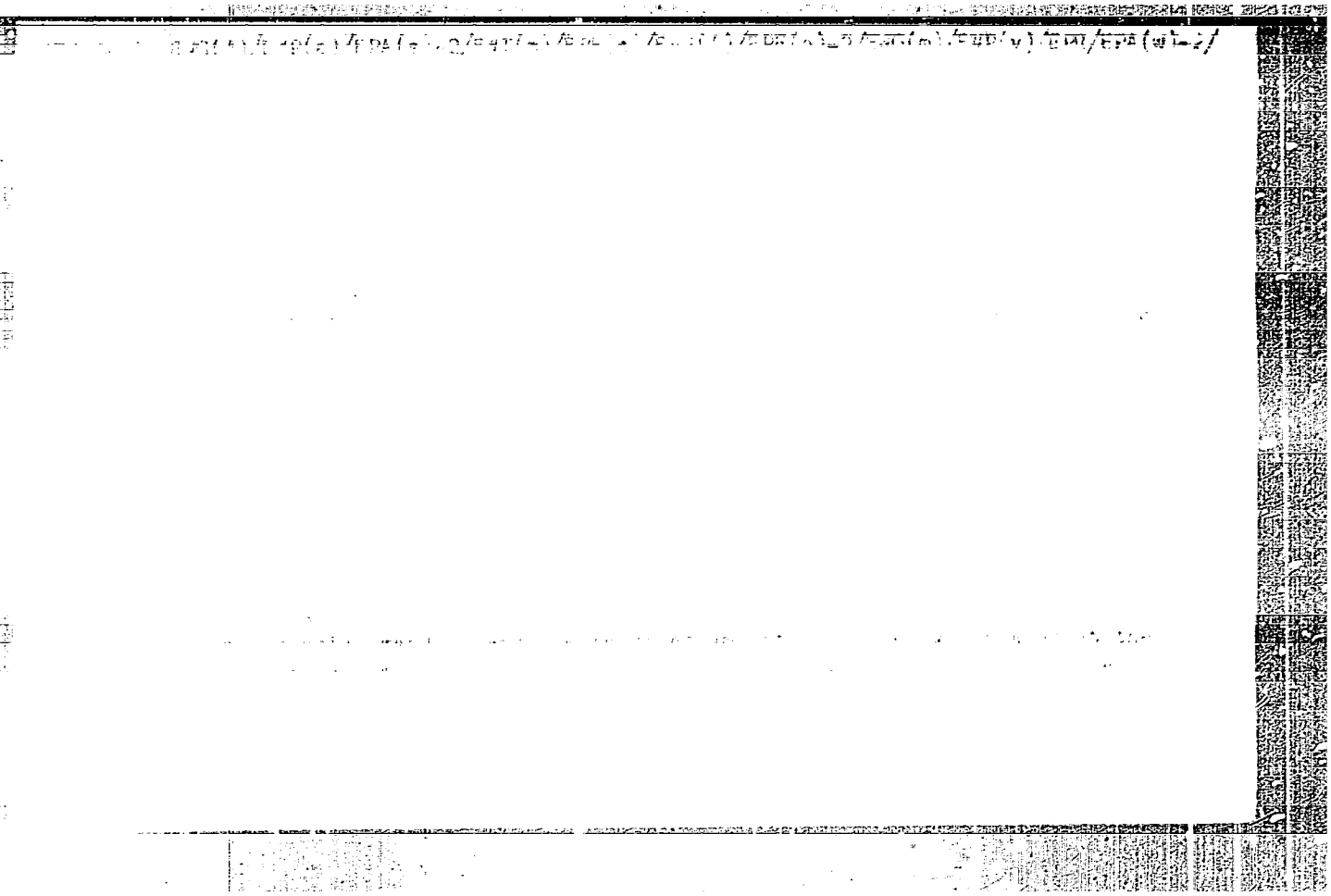
TOPIC TAGS: sintering, densening, liquid phase, chromium carbide, chromium base



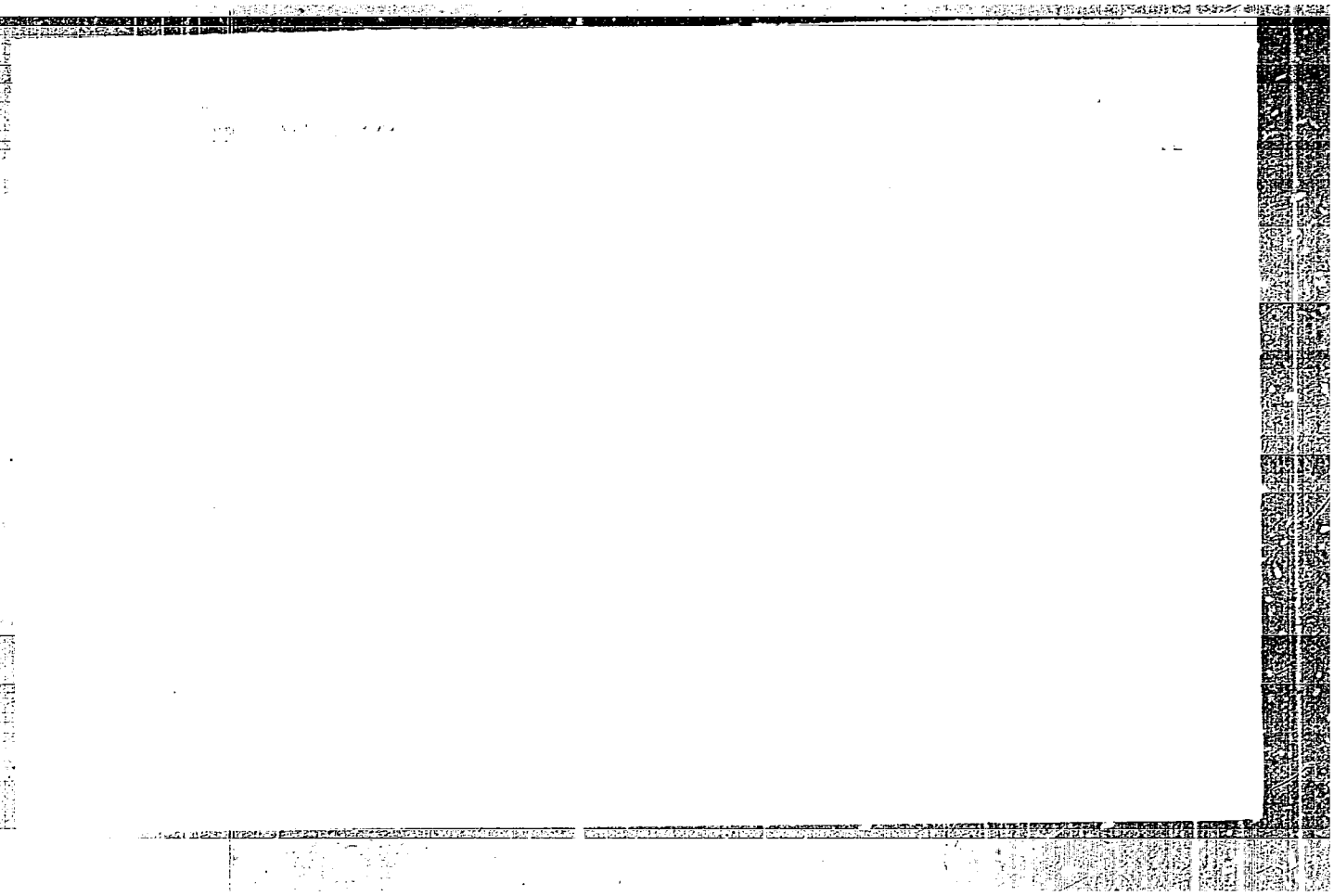
NAYDICH, Yu.V.; KOLESNICHENKO, G.A.

Investigating the solubility of carbon in nickel alloys in connection with their electron structure. Fiz. met. i metalloved. 18 no.2:193-197 Ag '64. (MIRA 18:8)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136220



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136220

HAYDIN, A.A.

Work experience of the Snyatyn and Kaluga regional communication offices. Vest.sviazi 16 no.10:24-26 O '56. (MIRA 10:10)

1. Instruktor-revizor Inspektsii pri Ministre svyazi USSR.
(Stanislav Province--Telecommunication)

NAYDIN, A.A.

NAYDIN, A.A.

Communication workers of Odessa improve postal service. Vest.sviazi 17 no.10:60-61 O '57. (MIRA 10:11)

1. Starshiy instruktor pochtovogo upravleniya Ministerstva svyazi USSR.
(Odessa--Postal service)

BERLIN, Meyer Abramovich; NAYDIN, Boris Abramovich; RABINOVICH, Ye.Z., red.; SOLGANIK, G.Ya., ved. red.; FOLOSINA, A.S., tekhn. red.

[Repairing pumps and turbines of petroleum refineries] Remont nasosov i turbin neftepererabatyvaiushchikh zavodov. Moskva, Gos. nauchno-tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry, 1961. 227 p. (MIRA 14:12)

(Petroleum refineries—Equipment and supplies)

NAYDIN, B.A.

Deputy A.M.Maluntsev; obituary. Neftianik 7 no.6:32-33 Je '62.
(MIRA 15:8)

(Maluntsev, Aleksandr Moiseevich, d. 1962)

NAYDIN, D.P.

Formation and stratigraphic position of gypsums in the Dniester Valley. Biul. MOIP. Otd. geol. 26 no.3:79-81 '51. (MIRA 11:5)
(Dniester Valley--Gypsum)

MAYDIN, D.P.

Stratigraphy of upper Cretaceous sediments in the western Ukraine based on belemnites. Biul. MOIP. Otd. geol. 26 no.3:94-95 '51.
(Ukraine--Geology, Stratigraphic) (MIRA 12:5)
(Belemnites)

NAYDIN, D.P.

Upper Cretaceous belemnites of western Ukraine. Trudy VSEGEI no.27: 4-169 '52. (MIRA 8:12)

(Ukraine--Belemnites)

HAYDIN, D.P.

New belemnite from Upper Cretaceous deposits of the Crimea. Biul.MOIP. Otd. geol. 28 no.2:64-65 '53. (MLRA 6:11)

(Crimea--Belemnites) (Belemnites--Crimea)

HAYDIN, D.P.

Principal features of the tectonics of the Lvov-Lublin trough. Biul.MOIP. Otd.geol. 28 no.3:28-41 '53. (MLRA 6:11)
(Ukraine--Geology, Structural) (Geology, Structural--Ukraine)

MIKHAYLOV,A.Ye.; NAYDIN,D.P

Tectonic disturbances of the southeastern edge of the Russian Platform. Trudy MGRI no.26:138-147 '54. (MLRA 8:12)
(Russian Platform--Folds (Geology))

MAYDIN, D.P.

Certain peculiarities in the distribution of Upper Cretaceous belemnites within boundaries of Europe. Biul.MOIP. Otd.geol. 29 no.3:19-28 My-Je '54. (MLRA 7:8)
(Europe--Belemnites) (Belemnites--Europe)

HAYDIN, D.P.

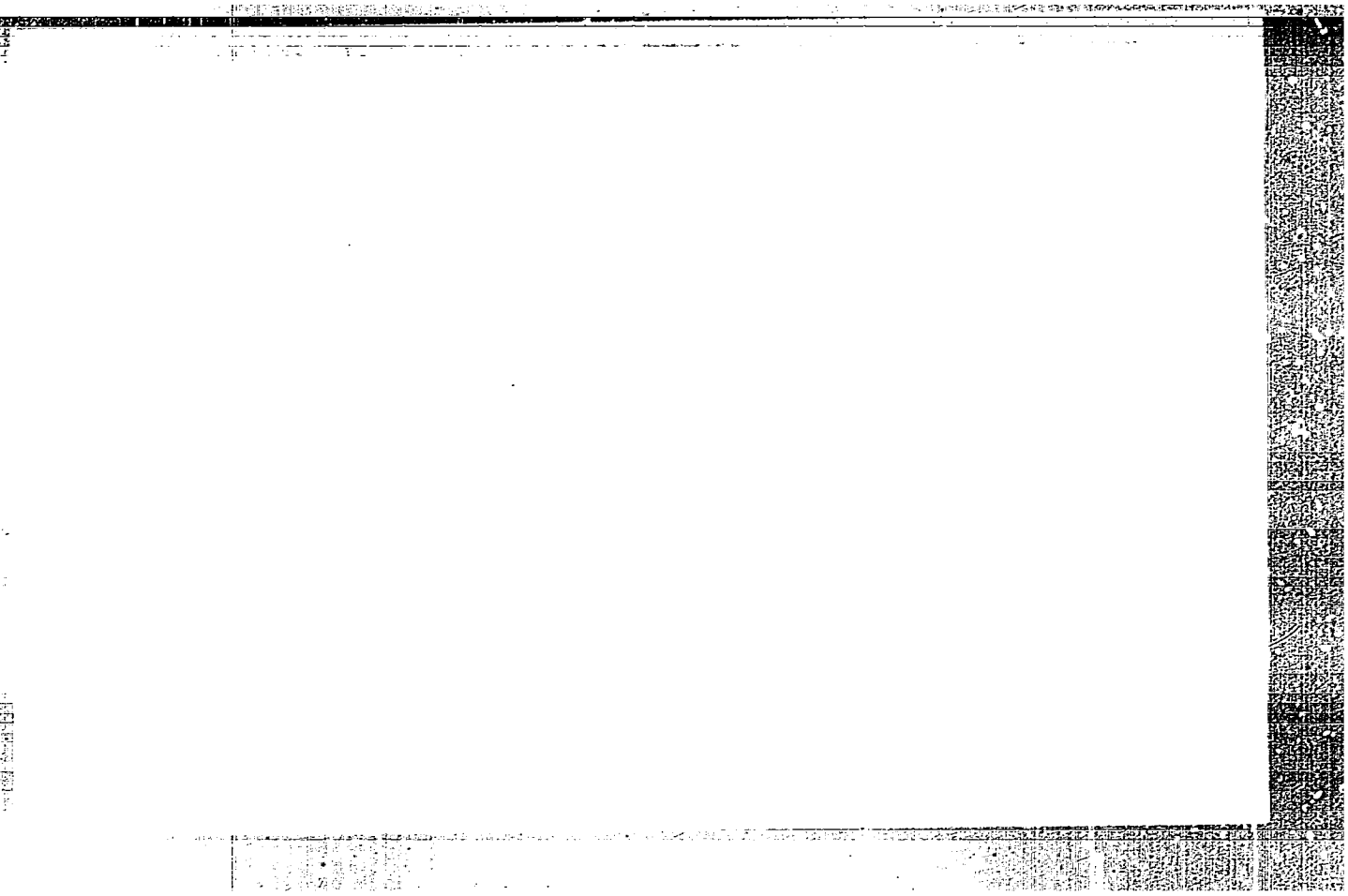
Transcaucasian examples of Belemnitella Mucronata (Schloth.).
Dokl. AN Azerb.SSR 11 no.2:111-114 '55. (MLRA 8:10)

1. Predstavleno deystvitel'nym chlenom AN Azerbaydzhanskoy SSR M.M.Alyevym.
(Transcaucasia--Belemnites)

MAYDIN, D. P.

"Stratigraphy of Upper Cretaceous Deposits of the Russian Platform and Certain Problems of the Comparison of sections of the Platform Upper Cretaceous Period of Europe and North America," Lomonsov Lectures in 1956," Vest. Mosk. U. Physico Math and Natural Sciences Series, 4, No. 6, pp 147-160, 1956, Geology Facutly

Translation U-3,054,363



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136220

HAYDIN, D.P.

Some problems in the zonal stratigraphy of upper Cretaceous deposits of the Russian Platform. Uch.zap.Mosk.un. no.176:17-24 '56. (MLRA 9:12)

(Russian Platform--Geology, Stratigrafic)

Naydin, D.P.

5-3-3/37

AUTHOR: Naydin, D.P.

TITLE: On the Boundaries of a Species within the Fossiliferous Material (O granitsakh vida na iskopayemom materiale)

PERIODICAL: Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel Geologicheskiy, 1957, No 3, pp 55-63 (USSR)

ABSTRACT: The author cites examples of continuous evolution series of belemnites from the Upper-Carboniferous deposits of the European part of the USSR. The problem is set from the viewpoint of a stratigrapher as to criteria for singling out a species and other taxonomic subdivisions in these series of continuously varying forms, each of which has a definite stratigraphic position. The author adheres to the opinion of A.A. Borisyak and A.P. Semenov-Tyan-Shanskiy as to different evaluations of the time factor in determinating the boundaries of a species by paleontologists on the one hand and by zoologists and botanists on the other hand. Zoologists and botanists study the living organisms of the modern geological epoch, and above all they are interested in the occurrence of a species in space. Paleozoologists and paleobotanists deal with the occurrence of a species not only in space but, even to a larger degree, in time. If,

Card 1/2

On the Boundaries of a Species within the Fossiliferous Material 5-3-3/37

during some period of geologic time, the medium of a species did not change and, as a consequence, the species itself did not vary, then the concepts of paleontological and biological species are identical. If, however, organisms vary, this identity ceases to exist. The author holds that a methodologically correct solution of this problem depends upon the right interrelation of quantity and quality and change from one quantitative state into another.
The article contains 4 figures, 1 table and 14 references, of which 6 are Russian, 1 is English, 2 are Polish, 1 is French and 4 are German.

AVAILABLE: Library of Congress

Card 2/2

AUTHOR: None Given 5-6-14/42

TITLE: Chronicle of the Activity of the Paleontological Section (Khronika deyatel'nosti paleontologicheskoy sektsii)

PERIODICAL: Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel Geologicheskiy, 1957, # 6, pp 127-128 (USSR)

ABSTRACT: The following reports were delivered in the Paleontological Section from 19 April to 10 May 1957:

I.A. Mikhaylova on "Systematization of Paragoplitides (?)"; V.V. Drushchits on "Paleontological Basis for the Stratigraphy of the Lower-Cretaceous Deposits in the Crimea"; B.T. Yanin on " Lower-Cretaceous Trigonias of the Crimea"; R.V. Teys, D.P. Naydin and M.S. Chupakhin on "Determination of Paleotemperatures by the Isotopic Composition of Oxygen in Organogenous Calcite"; and R.F. Gekker, A.I. Osipova and A.D. Slyusareva on the "Kazan' Sea of the Russian Plateau and Its Fauna".

AVAILABLE: Library of Congress

Card 1/1

AUTHORS: Teys, R.V., Naydin, D. P., Chupakhin, M.S. 5-6-41/42

TITLE: Determination of Paleotemperatures by the Isotopic Composition of Oxygen in Organogenous Calcite (Opredeleniye paleotemperatur po izotopnomu sostavu kisloroda organogennogo kal'tsita)

PERIODICAL: Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel Geologicheskiy, 1957, # 6, p 153 (USSR)

ABSTRACT: The method of isotopic paleothermometry is based on the equilibrium distribution of the heavy isotope of oxygen O^{18} between the oxygen of water and $CaCO_3$ precipitated from the water. This distribution depends on the temperature of precipitation. Many characteristics of the paleobiology of fossil organisms (life duration, surrounding medium, etc) can be cleared up by making use of temperature "records" in carbonates.

The authors elaborated an experimental temperature scale which was obtained by settling $CaCO_3$ out of $Ca(HCO_3)_2$ solutions in a thermostat at various temperatures. Comparing with this scale, several dozens of fossil shells from the Cretaceous deposits of the Russian plateau and Crimea were investigated. The most reliable results were obtained from belemnites whose calcite preserves the initial isotopic

Card 1/2

Determination of Paleotemperatures by the Isotopic Composition of Oxygen in Organogenous Calcite

composition of oxygen without alterations. The authors present some temperature values obtained by this method by using belemnites, oysters and other fossils from various stratigraphic formations.

AVAILABLE: Library of Congress

Card 2/2

MAYDIN, D.P.; MERODENKO, V.M.

Maestrichtian belemnites from the Ukrainian Depression. Dokl. AN SSSR 112 no.1:115-117 Ja '57. (MLRA 10:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova. Predstavleno akademikom N.S.Shatskim.
(Ukraine--Belemnites)

NAYDIN, D.P

AYZENVERG, D.Ye., geolog; BALUKHOVSKIY, N.F., geolog; BARTOSHEVSKIY, V.I., geolog; BASS, Yu.B., geolog; VADIMOV, N.T., geolog; GLADKIY, V.Ya., geolog; DIDKOVSKIY, V.Ya., geolog; YERSHOV, V.A., geolog; ZHUKOV, G.V., geolog; ZAMORIY, P.K., geolog; IVANTISHIN, M.N., geolog; KAPTARENKO-CHERNOUSOVA, O.K., geolog; KLIMENKO, V.Ya., geolog; KLUSHIN, V.I., geolog; KLYUSHNIKOV, M.N., geolog; KRASHENINNIKOVA, O.V., geolog; KUTSYBA, A.M., geolog; LAPCHIK, F.Ye., geolog; LICHAK, I.L., geolog; MAKUKHINA, A.A., geolog; MATVIYENKO, Ye.M., geolog; MEDYNA, V.S., geolog; MOLYAVKO, G.I., geolog; NAYDIN, D.P., geolog; NOVIK, Ye.O., geolog; POLOVKO, I.K., geolog; RODIONOV, S.P., geolog; SEMENENKO, N.P., akademik, geolog; SERGEYEV, A.D., geolog; SIROSHTAN, R.I., geolog; SLAVIN, V.I., geolog; SUKHAREVICH, P.P., geolog; TKACHUK, L.G., geolog; USENKO, I.S., geolog; USTIMOVSKIY, Yu.B., geolog; TSAROVSKIY, I.D., geolog; SHUL'GA, P.L., geolog; YURK, Yu.Yu., geolog; YAMNICHENKO, I.M., geolog; ANTROPOV, P.Ya., glavnyy redaktor; FILIPPOVA, B.S., red. izd-va; GUROVA, O.A., tekhn.red.

[Geology of the U.S.S.R.] Geologiia SSSR. Glav. red. P.IA.Antropov. Vol.5.[Ukrainian S.S.R., Moldavian S.S.R.] . . Ukrainskaia SSR, Moldavskaia SSR. Red. V.A. Ershov, N.P. Semenenko. Pt.1.[Geological description of the platform area] Geologicheskoe opisanie platformennoi chasti. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. 1958. 1000 p. [___ Supplement] ___Prilozhenila.

(Continued on next card)

AYZENVERG, D.Ye.---(continued) Card 2.
3 fold.maps (in portfolio) (MIRA 12:1)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geologii i okhrany nedr. 2. Ukrainskoye geologicheskoye upravleniye Ministerstva geologii i okhrany nedr SSSR i Institut geologicheskikh nauk Akademii nauk USSR (for all except Antropov, Filippova, Gurova). 3.Glavnyy geolog Ukrainskogo geologicheskogo upravleniya (for Yershov). 4. AN Ukrainskoy SSR (for Semenenko).
(Ukraine--Geology) (Moldavia--Geology)

AUTHOR: Maslakova, N.I., and Naydin, D.P. 11-1-7/29

TITLE: Deposits of the Santonian Substage of South-West Crimea (O santonskikh otlozheniyakh v yugo-zapadnom Krymu)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, # 1, pp 75-77 (USSR)

ABSTRACT: The author enumerates the 6 different layers of the Santonian substage at the Bakhchisaray, Kache, Bodrake and Bel'-beke river areas. He describes the fossiles found in these layers, which have a total thickness of 65 m.
There are 3 Russian, 1 German and 1 French references.

SUBMITTED: November 3, 1956

AVAILABLE: Library of Congress

Card 1/1

NAYDIN, D.P.

Size of the Maestrichtian stage. Nauch.dokl.vys.shkoly; geol.-geog. nauki no.1:176-180 '58. (MIRA 12:2)

1. Moskovskiy universitet, geologicheskiy fakul'tet, kafedra istoricheskoy i regional'noy geologii.
(Geology, Stratigraphic)

HAYDIN, D.P.

Determining climatic conditions of past geological periods by isotopic paleothermometry [with summary in English]. Sov.geol. 1 no.7:15-34 Jl '58. (MIRA 11:11)

1. Moskovskiy gosudarstvennyy universitete im. M.V. Lomonosova.
(Paleoclimatology)

AUTHORS: Maslakova, N.I., Naydin, D.P. 11-58-3-9/14

TITLE: The Senoman Deposits of the Crimean Mountains (O senomanskikh otlozheniyakh Gornogo Kryma)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, # 3, pp 108-110 (USSR)

ABSTRACT: This short information deals with deposits in the Upper Crimea of the Senoman Stage which consist of different sediments, mainly of clay and sand marls. The authors enumerate various deposits, give their Latin denominations and classify them according to their ages.

There is 1 figure.

SUBMITTED: September 3, 1956.

AVAILABLE: Library of Congress

Card 1/1

NAYDIN, D.P.

MASLAKOVA, N.I.; NAYDIN, D.P.

Santonian deposits in the southwestern Crimea. Izv. AN SSSR. Ser. geol. 23 no.1:75-77 Ja '58. (MIRA 11:3)
(Crimea--Geology, Stratigraphic)

NAYDIN, D.P.

SOV/7-59-7-18/25

3(5)

AUTHOR: Gazanov, N.

TITLE: On the All-Union Conference on Specification of a Unified Stratigraphic System of Mesozoic Deposits in the Russian Plateau

PERIODICAL: Geologiya nefti i gaza, 1959, Nr 7, pp 60 - 63 (USSR)

ABSTRACT: The All-Union Conference fo setting-up a specified unified stratigraphic system of Mesozoic deposits in the Russian plateau took place from December 8th to 13th, 1958 at Moscow. It was attended by 172 delegates from different cities and organizations. The Conference heard 9 reports in plenary sessions and 32 reports in sectional sessions. They were delivered by Ye.I. Sobolova (VNIGRI) on projected subdivision of the Triassic system; N.T. Gazanov (VNIGNI) on the Jurassic system; N.N. I.G. Gazanova on the lower section of the Cretaceous system; of the Koltypin (VNIGNI) and D.P. Naydin (MGU) on the upper section of the Cretaceous system. Reports were also delivered by M.M. Moskvin, A.V. Furssnko, I.M. Yamnichenko, O.K. Kaptarenko-Chernousova, G.Ya. Krymgol'ts and others. The Conference approved the subdivision of the above-mentioned systems according to the submitted materials.

Card 1/2

Card 2/2

MOSKVIN, M.M.; MASLAKOVA, N.I.; DOBROV, S.A.; PAVLOVA, M.M.; NAIDIN, D.P.; SHIMANSKIY, V.N.; ASTAF'YEVA, K.A.; POSLAVSKAYA, N.A.. Primal uchastiye CHEKHOVICH, M.V., SHOROKHOVA, L.I., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Atlas of upper Cretaceous fauna of the Northern Caucasus and the Crimea] Atlas verkhnemelovoi fauny Severnogo Kavkaza i Kryma. Pod red. M.M.Moskvina. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 499 p. (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnykh gazov. 2. Sotrudniki kafedry istoricheskoy geologii i paleontologii Geologicheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta (for all except Shorokhova, Mukhina).
(Caucasus, Northern--Paleontology, Stratigraphic)
(Crimea--Paleontology, Stratigraphic)

HAYDIN, D.P.

Stratigraphic synonymy. Izv.vys.ucheb.zav.; geol.i razv. 2 no.8:143-144 Ag '59. (MIRA 13:4)

1. Moskovskiy gosudarstvennyy universitet.
(Geology, Stratigraphic)

MAKSIMOVA, N.S.; MAYDIN, D.P.

About the international stratigraphic dictionary. Sov.geol. 2 no.12:130-132 D '59. (MIRA 13:5)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Geology, Stratigraphic--Dictionaries)

MAYDIN, D.P.

Sergei Alekseevich Dobrov; obituary. Paleont.zhur. no.2: 166-167 '60. (MIRA 13:7)
(Dobrov, Sergei Alekseevich, 1884-1959)

MAYDIN, D.P.

Key beds in Danian and Montian stages. Biul. MOIP. Otd. geol. 35 no.5:97-106 S-O '60. (MIRA 14:1)
(Geology, Stratigraphic)

NAYDIN, D. P.; TEYS, R. V.; CHUPAKHIN, M. S.

"Determination of Paleotemperatures according to the composition of oxygen of organogenous calcite"

Paper submitted at the International Geological congress XXI Session - 1960 (Reports of Soviet Geologists) Problem No. 1, 15-24 Aug. 61

NAYDIN, D.P.

Upper Cretaceous sediments of the Russian Platform. Trudy VNIGNI no.29:75-80 vol.3 '61. (MIRA 14:9)
(Russian Platform—Geology, Stratigraphic)

NAYDIN, D.P.; PETRENKO, V.S.

Structural position of upper Cretaceous depressions in the southern part of the Russian Platform and its Paleozoic margins. Biul.MOIP. Otd.geol. 36 no.4:56-75 Jl-Ag '61. (MIRA 14:9)

(Russian Platform--Geology, Structural)

FOGT, E.; NAYDIN, D.P.[translator]; YERMAKOV, M.S., tekhn. red.

[Upper Cretaceous Bryozoa of the European part of the U.S.S.R. and some adjacent territories]Verkhnemelovye mshanki Evropeiskoi chasti SSSE i nekotorykh sopredel'nykh oblastei. Moskva, Izd-vo Mosk. univ., 1962. 124 p. (MIRA 15:11)
(Polyzoa, Fossil)

NAYDIN, Dmitriy Pavlovich; KAZAKOVA, V.P., red.

[Upper Cretaceous belemnites of the Russian Platform and adjacent areas; Actinocamax, Gonioteuthis, Belemnellocamax] Verkhnemelovye belemnity Russkoi platformy i sopredel'nykh oblastei; aktinokamaksy, gonioteitisy i belemnellokamaksy. Moskva, Izd-vo Mosk. univ., 1964. 204 p. (MIRA 17:11)

NAYDIN, D.P.

Upper Cretaceous Belemnitella and Belemnella in the Russian Platform and some adjacent areas. Biul. MOIP. Otd. geol. 39 no.4:85-97 Jl-Ag '64. (MIRA 17:10)

LEONOV, G.P.; ALIMARINA, V.P.; MAYDIN, D.P.

Principles and methods of isolating the stage subdivisions of a standard scale. Vest. Mosk. un. Ser. 4: Geol. 20 no.4:15-28 Jl-Ag '65. (MIRA 18:9)

1. Kafedra istoricheskoy i regional'noy geologii Moskovskogo universiteta.

MAYDIN, D.P.; YANIN, B.T.

Some characteristics of the geology of the surroundings of Prokhladnoye (Crimea, Bakhchisaray District). Biul. MOIP, Otd. geol. 40 no.3:75-91 My-Je '65. (MIRA 18:8)

MAYDIN, D.P.

Isotopic paleotemperature determinations by Belemnitella. Biul. MOIP Otd. geol. 40 no. 6:148-149 N-D '65 (MIRA 19:1)

1. Submitted April 9, 1965.

NAYDIN, K.G.

And if you do it this way. Izobr.i rats. no.1:45-46 Ja '61.
(MIRA 14:1)

1. Predsedatel' soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov shinnogo zavoda, Omsk.
(Omsk—Tires, Rubber)

NAYDIN, K.A.

Report on the work of the first Institute of Workers-Researchers founded at the Omsk Tire Factory. Kauch.i rez. 20 no.3:52-53 Mr '61. (MIRA 14:3)

(Omsk--Tires, Rubber)

NAYDIN, K.A.

All-Union seminar for workers in petroleum chemistry on the activities of the Public Institute of Research Workers of the Omsk Tire Factory. Kauch. i rez. 20 no.9:57 S '61. (MIRA 15:2)

(Omsk--Tires, Rubber)

NAYDIN, K.A.

Ranks of volunteer scientists are increasing. NTO 5 no.4:29-32 Ap '63. (MIRA 16:3)

1. Uchenyy sekretar' Omskogo oblastnogo pravleniya Vsesoyuznogo khimicheskogo obshchestva imeni I.I.Mendeleyeva.
(Omsk Province—Research, Industrial)

NAYDIN, Konstantin Abramovich; LISTOV, I.V., red.

[Long service for a tire] Shine - dolguiu sluzhbu. Omsk, Omskoe knizhnoe izd-vo, 1962. 78 p. (MIRA 17:8)

NAYDIN, K.A.

The Technical Information and Propaganda Section at projects undertaken by public initiative. Opyt rab. po tekhn. inform. i prop. no.4:36-38 '63. (MIRA 17:1)

1. Zamestitel' nachal'nika tekhnicheskogo otdela Omskogo shinnogo zavoda.

AYZIKOVICH, L., kandidat tekhnicheskikh nauk; MAYDIN, L.

Vertical machine for finishing bran. Muk.-elev.prom. 22 no.6:18-19 Je '56. (MLRA 9:9)

1.Moskovskaya shkola krupchetnikov.
(Grain-milling machinery)

ACC NR: AP6015710 (A) SOURCE CODE: UR/0413/66/000/009/0125/0125

INVENTOR: Naydis, N. M.; Avramenko, A. K.; Yakuts, B. L.; Ryzhov, L. S.; Korchin, Yu. M.; Kalyuzhnyy, O. K.; Kuchinskiy, V. A.

ORG: None

TITLE: Fuel delivery controller for internal combustion engines. Class 46, No. 181445

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 125

TOPIC TAGS: engine fuel system, air temperature, fuel control

ABSTRACT: This Author's Certificate introduces: 1. A fuel delivery controller for internal combustion engines. The unit consists of a device for transmitting signals to a servomechanism, a stack of aneroid capsules and two correctors with pickups. These pickups are made in the form of bimetallic plates equipped with manual adjustment screws. Each of these bimetals varies fuel delivery as a function of air temperature. The second corrector is connected to the fuel delivery channel supplying fuel to the engine to allow for the variation in the specific weight of the fuel with temperature. 2. A modification of this controller in which transition from one type of fuel to another is simplified by a scale on the device for correcting temperature (specific weight). The indicating needle of the corrector scale can be set by a manual adjustment screw.

SUB CODE: 21/ SUBM DATE: 28Jun63

Card 1/1 UDC: 621.43.031-441.2

1. NA'DIN, P. G.

2. USSR (600)

4. Phosphates

7. Application of granulated and superphosphate to the row during sowing. Dost.sel'khoz. no.3, 1952.

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

MAYSKIY, P. G. Prof.

Fertilizers and Manures

Conference on the use of fertilizers in irrigated sections of south and southwest European Russia. Sov. agron. 11 No. 3, 1953.

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

NAUDIN, P.

15176* (Results of Experimental Work on the Study of Granulated Superphosphate.) Iz itogov opytnoi raboty po izucheniiu granulirovannogo superfosfata. P. G. Naidin. *Zemledelie*, v. 2, no. 7, July 1954, p. 69-73.
Soil studies on various cereal grains, grasses, and vegetables. Tables.

NAYDIN, P. G.

Combining organic and mineral fertilizers. P. G. Naidin. *Agrokhimiya i Pochvoz.* 1, No. 2, 10–19(1956).—Report of expts. conducted in zonal soils on different crops with mixts. of manure and N-P-K or manure with P. In the chernozem soils high in org. matter and in forest steppe soils rich in org. matter it is possible to substitute phosphates in place of manure, of P-K in place of it. I. S. Joffe

NAYDIN, P.G., professor.

Intolerable violations of the method of field experiments.
Zemledelie 4 no.12:24-31 D '56. (MLRA 10:2)

(Agricultural research) (Fertilizers and manures)

FUNT, N.; LATYSHEV, V.; CHUDAKOVA, Ye, agronom; KAYDIN, P.G., professor.

Local placement of mineral fertilizers. Nauka i perod. op. v sel'khoz. 6 no.11:80-82 N '56. (MLRA 10:1)

1. Glavnyy agronom Brynskoy mashinno-traktornoy stantsii (for Latyshev). (Fertilizers and manures)

USSR / Soil Science. Mineral Fertilizers. J-4

Abs Jour: Ref Zhur-Biol., No 8, 1958, 34301.

Author : Naydin, P. G.
Inst : Not given.
Title : Routine Problems in Methods of Applying Mineral Fertilizers into the Soil.

Orig Pub: Udobreniye i urozhay, 1956, No 12, 5-14.

Abstract: Based on the analysis of data from many years of tests conducted in various soil-climatic zones of USSR, it is shown that the broadcasting method of placement of mineral fertilizers (F) with shallow sealing is unsuitable. The highest efficiency is obtained by means of doublelayer placement of F under grain, vegetables, root-

Card 1/3

USSR / Soil Science. Mineral Fertilizers.

Abs Jour: Ref Zhur-Biol., No 8, 1958, 34391.

Abstract: tubers, cotton and other agricultural cultivations. In order to secure proper nutrition of the plants during the beginning stages of their development, approx. 1/3 of the norm of MF has to be introduced locally on the level of stratification of the seeds.

Dosage of MF depends on the peculiarities of the plants, soil and climate. P_2O_5 should be introduced in granular form of P_s in 5 to 10 kg per hectare. The remaining 2/3 of MF norm should be introduced into deeper levels of the plowing stratum better provided with moisture. Introduction of MF in fall under plow, shows better results, than in the spring under cultivation.

Card 2/3

HAYDIN, P.G., red.

[Fertilizers and field crops] Udobrenie tekhnicheskikh kul'tur. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 469 p. (MIRA 11:5)
(Fertilizers and manures)

USSR / Cultivated Plants. Experimental Methods. M-2

Abs Jour: Ref Zhur-Biol., 1958, No 16, 72856.

Author : Naydin, P. G.
Inst : Not given.
Title : Methodical Directions for Conducting Field Experiments with Fertilizers.

Orig Pub: Byul. geogr. seti opytov s udobreniyami, 1957, No 1, 6-13.

Abstract: Brief instructive directions for selection and preparation of a district under field experiment, for dimensions of the plots and number of repetitions, for the general methods of soil cultivation and care of plants, for the technique of applying fertilizers in the experiments, observations of plant development during the vegetation period and harvest and harvest calculation.

Card 1/1

USSR / Soil Science. Mineral Fertilizers. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48647

Author : Naydin, P. G.
Inst : Not given
Title : Organization of the Agricultural-Chemical Service in Czechoslovakia

Orig Pub : Udobreniye i urozhay, 1957, No 6, 55-59

Abstract : The state owned agricultural-chemical service in Czechoslovakia is headed by the Central Experimental Control Institute of Agriculture (UKZUZ). The institute comprises a Central Laboratory of Soil Science and Agricultural Chemistry (ULPA) with a network of regional soil-agricultural-chemical laboratories. Under their systematic leadership the agricultural-chemical work is carried out by the agricultural-chemical

Card 1/2

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USSR / Soil Science. Mineral Fertilizers. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48647

laboratories which are powered by tractor-machines. Data on the establishments and the equipment of the laboratories as well as the work performed there is reported. -- N. N. Sokolov

Card 2/2

NAYDIN, P.G., prof.

Increasing the effectiveness and extending the use of ground phosphorite in the U.S.S.R. Zemledelie 6 no.6:43-48 Je '58.
(MIRA 11:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya.

(Phosphorites)

NAYDIN, P.G.; MIKHAYLOV, N.N.

Zonal investigation of mineral fertilizer norms and large-scale soil maps. Pochvovedenie no. 2:1-9 F '61. (MIRA 14:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya.
(Fertilizers and manures) (Soils--Maps)

NAYDIN, P.G.

Use of fertilizers and increase of grain production in the current seven-year plan. Pochvovedenie no.9:16-29 S '61. (MIRA 14:10)
(Grain--Fertilizers and manures)

NAYDIN, P.G., prof.

Production and use of mineral fertilizers in India. Zemledelie 23 no.11:86-88 N '61. (MIRA 14:12)
(India--Fertilizers and manures)

NAYDIN, Pavel Georgiyevich, prof.; SHLEPANOV, V.M., red.;
SOKOLOVA, N.N., tekhn.red.

[Fertilizing grain and pulse crops] Udobrenie zernovykh i zernobobovykh kul'tur. Moskva, Sel'khozizdat, 1963. 261 p. (MIRA 17:1)

SOROKIN, S.S.; NAYDIN, P.G., prof., red.; VISHNYAKOVA, Ye., red.; USTINOVA, S., tekhn. red.

[Soil fertility is in our hands] Plodorodie zemel' - v nashikh rukakh. Moskva, Mosk. rabochii, 1964. 167 p. (MIRA 17:2)

BALASHEV, L.L., prof.; GRIGOR'YEV, N.G., kand. biol. nauk; ZHURBITSKIY, Z.I., prof.; PETERBURGSKIY, A.V., prof.; POPOV, P.V., kand. sel'khoz. nauk; RADKEVICH, P.Ye., prof.; SOKOLOV, A.V.; TURCHIN, F.V., prof.; SHKONDE, E.I., kand. sel'khoz. nauk; SHTERNBERG, M.B., kand. biol. nauk; VOL'FKOVICH, S.I., akademik, red.; KORNEYEV, N.Ye., kand. veter. nauk, red.; NAYDIN, P.G., prof., red.; PLESHKOV, B.P., kand. sel'khoz. nauk, red.; POPOV, I.S., akademik, red.; ROMASHKEVICH, I.F., kand. sel'khoz. nauk, red.; RODE, A.A., prof., red.; ROZOV, N.N., prof., red FATUYEV, M.R., inzh., red.

[Chemicalization of agriculture; scientific and technical dictionary handbook] Khimizatsiia sel'skogo khoziaistva; nauchno-tekhnicheskii slovar'-spravochnik. Moskva, Nauka, 1964. 398 p. (MIRA 17:10)

1. Chlen-korrespondent AN SSSR (for Sokolov). 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Popov)

NAYDIN, P.G., prof.

Fundamentals of the fertilizing system. Zemledelie 26 no. 4: 44-52 Ap '64. (MIRA 17:5)

SINYAGIN, I.I.; KOREN'KOV, D.A.; CHEREMISOV, G.A.; NAYDIN, V.G.; BARANOV, P.A.; KARPINSKIY, N.I.; BALYABO, N.K.; MANCHENKOV, I.F.

Leonid Nikolaevich Barsukov, d. 1965; an obituary. Zemledelie 27 no.10:89 O '65. (MIRA 18:10)

YEGOROV, B.G., prof. Deystvitel'nyy chl[illegible].R; VINARSKAYA, Ye.N., kand. med. nauk; MAYDIN, V.L.

Role and place of compound rehabilitation therapy in the system of neurosurgical aid. Vop. neirokhir. [illegible]:55057 Mr-Ap '64. MIRA 18:2)

1. Nauchno-issledovatel'skiy [illegible] Krasnoy [illegible] imeni institut neyrokhirurgii (dir [illegible].G. Yegorov) imeni N.N. Burdenko AMN SSSR, Moskva.

BUTKOVSKIY, G., inzh.; MAYDIN, Yu. V., inzh.

Machine tools and production lines made of standard units. STO 2 no.10:20-25 O '60. (MIRA 13:10)

1. Spetsial'noye konstruktorskoye byuro No.1 Moskovskogo gorodskogo sovnarkhoza.
(Machine tools—Technological innovations)
(Machinery, Automatic)

DONSKOY, V.I.; NAYDIN, Yu.V.

The 1818A special drilling and milling machine. Mashinostroitel' no.5:12 My '60. (MIRA 14:5)
(Machine tools)

S/121/62/000/006/002/011
B040/B113

AUTHOR: Naydin, Yu.V.

TITLE: Engineering calculations using an electronic computer

PERIODICAL: Stanki i instrument, no. 6, 1962, 3-6

TEXT: The author describes a method developed by the SKB-1 of the Moscow City Sovnarkhoz for calculating the coordinates of intermediate shafts (in spindle boxes with up to 70 spindles) of unit-head and transfer machines, using an M-2 (M-2) computer which can find these coordinates in 3-10 min. The input data, in a most difficult case where 94 shafts and spindles are involved, can be prepared in 6 hr by making a kinematic diagram, finding the initial coordinates of some shafts according to given data, entering the initial data on special data cards and leaving blank spaces for further logic operations and analysis of the data of single shafts, and finally preparing a punched tape from the card data. The algorithm and program copy all deductions and calculations made by the designer. The computer indicates all errors in the initial kinematic diagram. A program consists of 20 subprograms for finding

Card 1/2

VELIKOVSKAYA, Ye. M.; NAYDINA, N. N.

Some recent data on continental Upper Pliocene deposits of the western Kuban trough. Dokl. AN SSSR 147 no.4:889-892 D '62. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova. Predstavleno akademikom Yu. A. Orlovym.

(Kuban Valley--Geology, Stratigraphic)

1. NAYDINA, O. G.

2. USSR (600)

7. "Dynamics of the Microbial Processes Connected with Decomposition of a Grass Layer as a Function of the Periods at which it is Plowed", Sov. Agronomiya, No 8, 1951, pp 42-46.

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952 pp 121-132, Unclassified.

ZHURAVLEV, L.T.; KISELEV, A.V.; NAYDINA, V.P.; POLYAKOV, A.L.

Determination of small amounts of water and hydroxyl groups by deuterium exchange and mass spectrometry. Zhur. fiz. khim. 37 no.9:2054-2061 S '63. (MIRA 16:12)

1. Institut fizicheskoy khimii AN SSSR i Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

ZHURAVLEV, L.T.; KISELEV, A.V.; NAYDINA, V.P.; POLYAKOV, A.L.

Determination of surface and internal "structural water" of a silica gel by the deuterium exchange method with mass spectrometric control. Zhur. fiz.khim. 37 no.10:2258-2265 O '63. (MIRA 17:2)

1. Institut fizicheskoy khimii AN SSSR i Moskovskiy gosudarstvennyy universitet, khimicheskiy fakul'tet.

KLEBANOV, G.S.; NAYDIS, F.B.; PAKHOMOVA, N.V.

Extraction of bromine from waste products of synthomycin production. Med. prom. 16 no.1:28-34 Ja '62. (MIRA 15:3)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(BROMINE)
(CHLOROMYCETIN)

KAZANTSEV, O.D.; KHLYSTOVA, V.N.; NAYDIS, L.M.

Features of the structure of the crystalline basement of the Volga Valley portion of Volgograd Province in connection with estimating the outlook for oil and gas in the terrigenous Devonian. Geol. nefti i gaza 6 no.12:33-37 D '62. (MIRA 15:12)

1. Volgogradneftegazrazvedka i Nizhne-Volzhskiy nauchno-issledovatel'skiy institut geologii i geofiziki.
(Volgograd Province--Petroleum geology)
(Volgograd Province--Gas, Natural--Geology)