"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

1. [illegible] M.N.

2. USSR (600)

3. Ulcers

7. Disoxidative carbonuria in ulcers, Medich. zhur. 21. no.2, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

1. M. N. PASTERNAK
2. USSR (600)
4. Carbonuria
7. Disoxidative carbonuria in ulcers. Medich. zhur. 21 no. 2. 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

Pasternak, M.N.

PASTERNAK, M.N.; TVERSKAYA, M.Ya.; RAYTRUB, B.A. (Moskva)

Functional state of the liver in some infectious diseases. Klin.med. 35 [i.e.34] no.1 Supplement:35 Ja '57. (MIRA 11:2)

1. Iz kliniko-diagnosticheskoy laboratorii Instituta infektsionnykh bolezney AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. L.V. Gromashevskiy)
(COMMUNICABLE DISEASES) (LIVER)

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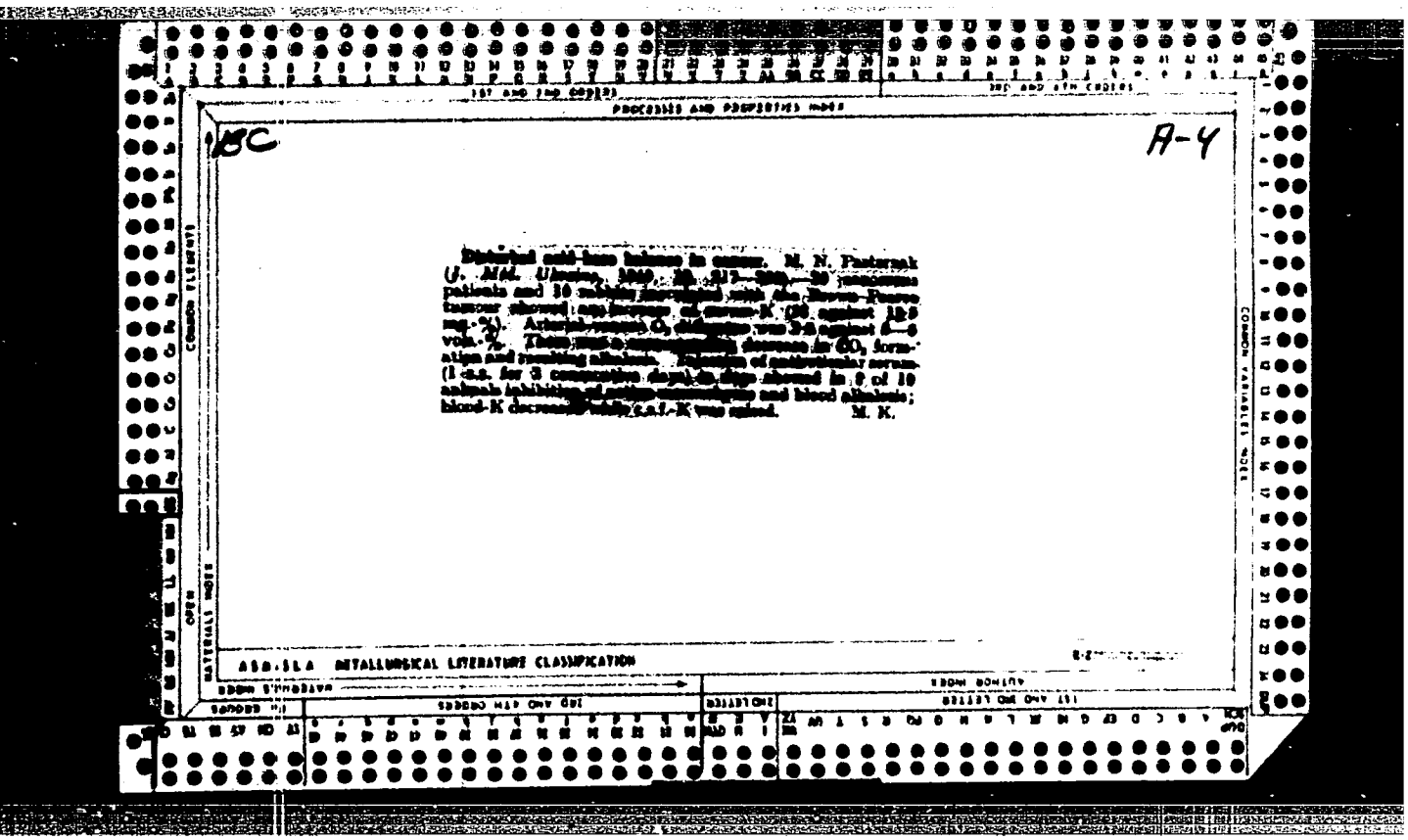

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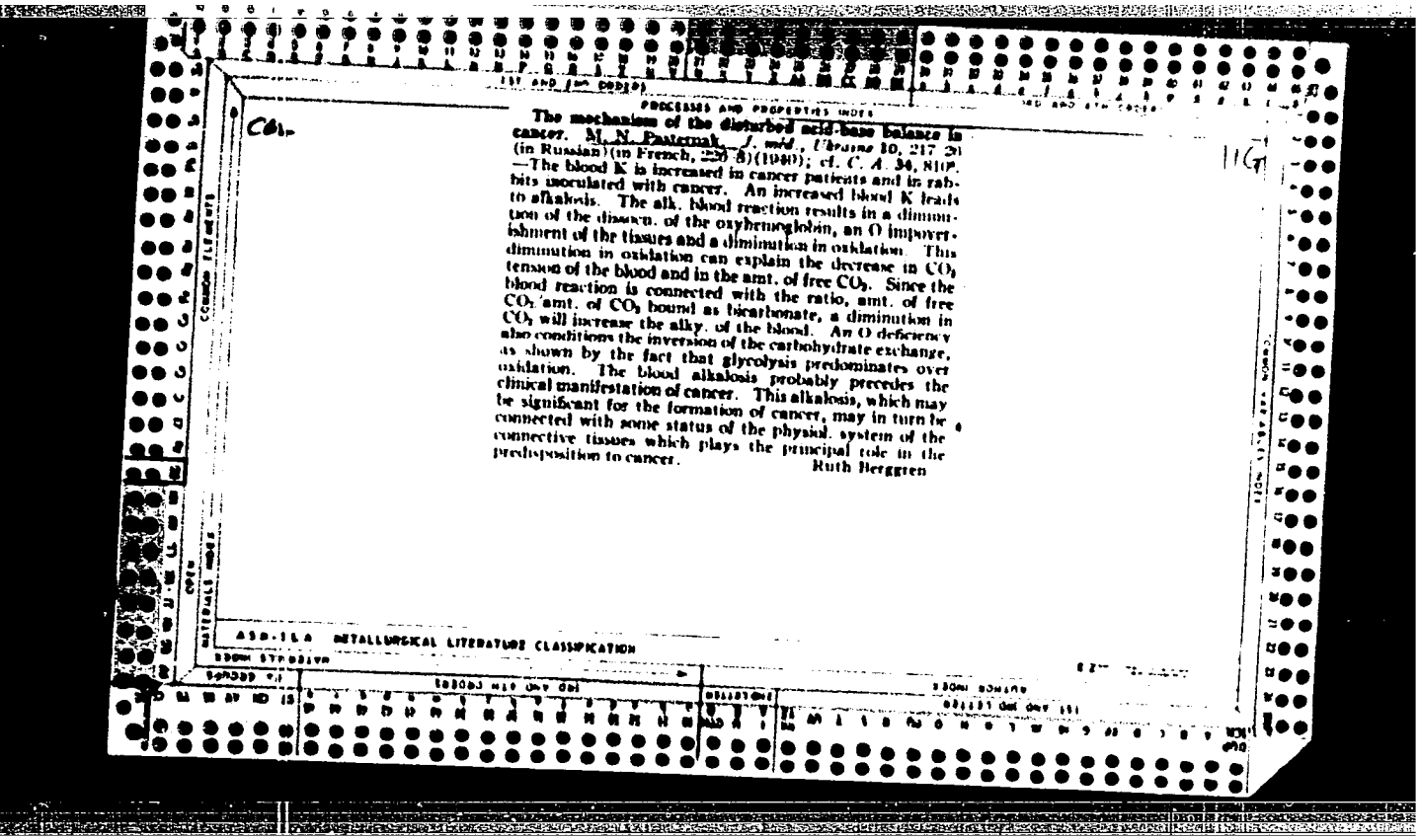
"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123



PROCESSES AND PROPERTIES INDEX

The mechanism of the disturbed acid-base balance in cancer. M. N. Pasternak. *J. méd., Ukraine* 10, 217-20 (in Russian)(in French, 220-8)(1930); cf. *C. A.* 34, 810.—The blood K is increased in cancer patients and in rabbits inoculated with cancer. An increased blood K leads to alkalosis. The alk. blood reaction results in a diminution of the dissocn. of the oxyhemoglobin, an O impoverishment of the tissues and a diminution in oxidation. This diminution in oxidation can explain the decrease in CO_2 tension of the blood and in the amt. of free CO_2. Since the blood reaction is connected with the ratio, amt. of free CO_2 :amt. of CO_2 bound as bicarbonate, a diminution in CO_2 will increase the alky. of the blood. An O deficiency also conditions the inversion of the carbohydrate exchange, as shown by the fact that glycolysis predominates over oxidation. The blood alkalosis probably precedes the clinical manifestation of cancer. This alkalosis, which may be significant for the formation of cancer, may in turn be connected with some status of the physiol. system of the connective tissues which plays the principal role in the predisposition to cancer.

Ruth Berggren

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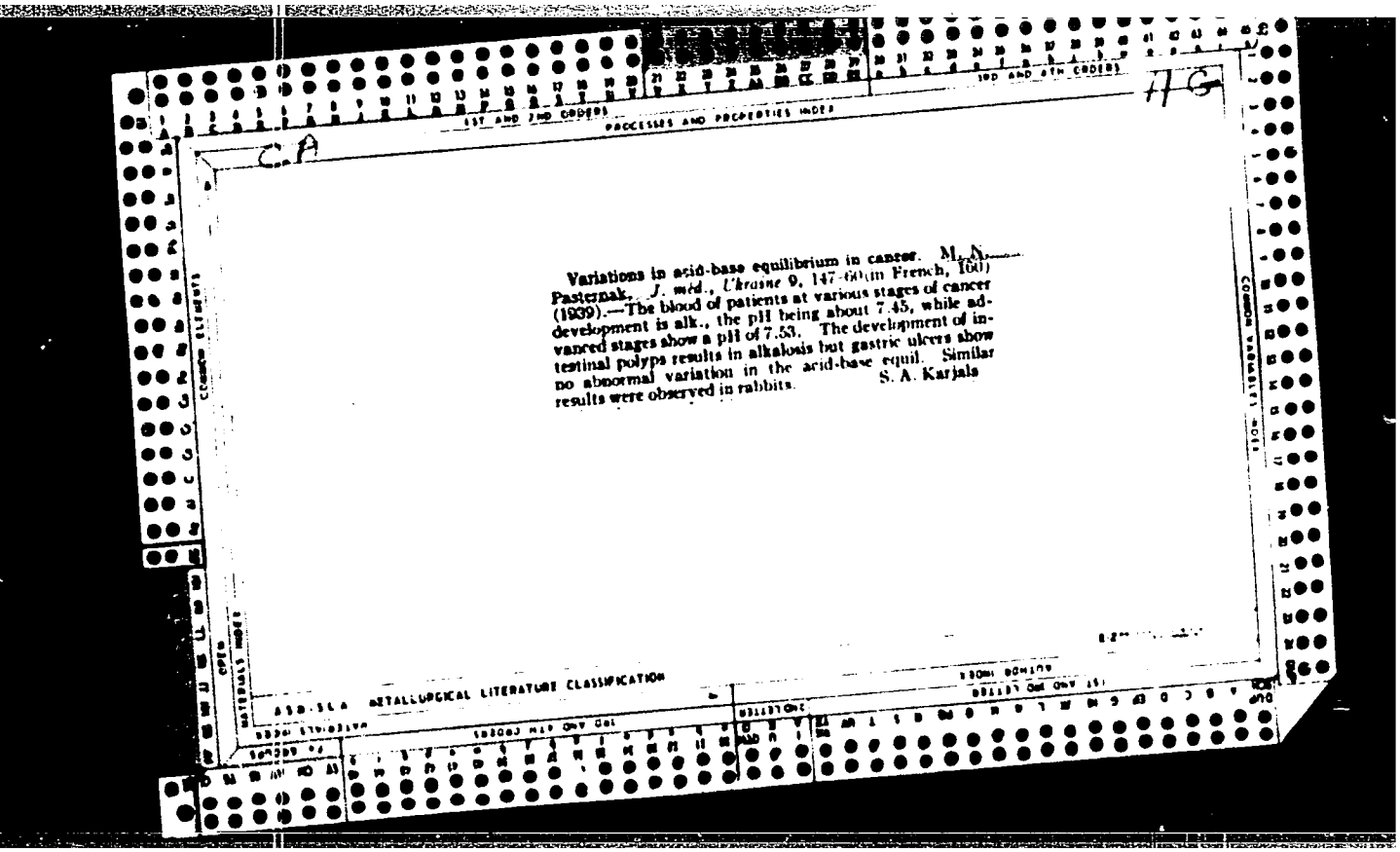

CA

Variations in acid-base equilibrium in cancer. M. A. Pasternak. *J. méd., Ukraine* 9, 147-60(in French, 160) (1939).—The blood of patients at various stages of cancer development is alk., the pH being about 7.45, while advanced stages show a pH of 7.53. The development of intestinal polyps results in alkalosis but gastric ulcers show no abnormal variation in the acid-base equil. Similar results were observed in rabbits. S. A. Karjala

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, M.N.

Early diagnosis of influenza. [illegible]
182-188 Mr-Ap '[illegible].

. Otdel nevrologii [illegible] Instituta [illegible]
im. A.A. Bogomol'tsa [illegible], Kiyev.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

MAKARCHENKO, A.F. [Makarchenko, O.F.]; PASTERNAK, M.N.; DINABURG, A.D.; MEL'NICHENKO, A.V. [Mel'nychenko, H.V.]; KLEBANOVA, L.B.

Experimental allergic encephalomyelitis. Fiziol. zhur. [Ukr.] 8 no.3:292-308 My-Je '62. (MIRA 15:6)

1. Otdel nevrologii i nevrofiziologii Instituta fiziologii im. Bogomol'tsa AN USSR, Kiyev.
(ENCEPHALOMYELITIS)
(ALLERGY

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

MAKARCHENKO, A.F. [Makarchenko, O.F.]; PASTERNAK, M.N.; DINABURG, A.D. [Dynaburh, H.D.]; MEL'NICHENKO, A.V. [Mel'nychenko, H.V.]

Role of the influenza virus in the development of diseases of the nervous system. Fiziol. zhur. [Ukr.] 7 no.6:732-744 N-D '61. (MIRA 15:3)

1. Otdel nevrologii i neyrofiziologii Instituta fiziologii im. A.A. Bogomol'tsa AN USSR, Kiyev.
(INFLUENZA)
(BRAIN--DISEASES)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PAL'TERNAK, M.N.,
K. I. NAVETSKII, J. med., Ukraine 9, 1193-7 (1940)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N

Issledovanie kholodnoi i goriachei pravki talla

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

ЗБНБ, Petr Petrovich; RYZHKOV, A.A., doktor tekhnicheskikh nauk, professor, retsenzent; PASTERNAK, N.A., kandidat tekhnicheskikh nauk, redaktor; MOISL', B.I., tekhnicheskiy redaktor; EL'KIND, V.D., tekhnicheskiy redaktor

[Testing the quality of castings] Proverka kachestva otlivok. Izd. 2-oe. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 234 p. (MLRA 10:10)

(Founding--Quality control)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.A., RAVICH, I.V.

Accelerated diagnosis and antibiotic treatment for diphtheria carriers. Antibiotiki 3 no.4:106 Jl-Ag '58 (MIRA 11:10)

1. Kafedra mikrobiologii (zav. - chlen-korrespondent AMN SSSR prof. Z.V. Yermol'yeva) TSentral'nogo instituta usovershenstvovaniya vrachey.
(DIPHTHERIA)
(ANTIBIOTICS)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

L 2413[illegible] [illegible]T JK

ACC NR: AP6014658 SOURCE CODE: UR/0297/65/010/002/0134/0137

AUTHOR: Ermol'yeva, Z. V.—Ermolieva, [illegible]; Vaysberg, G. Ye.—Vaisberg, [illegible]; [illegible], A. I.; Ravich, I. V.; Golosova, [illegible]. V.; Pasternak, N. A.

ORG: Department of Microbiology, Central Institute of Advanced Training for Physicians, Moscow (Kafedra mikrobiologii Tsentral'nogo instituta usovershenstvovaniya vrochey)

TITLE: Effect of bacterial polysaccharides on the growth of tumors in an experiment

SOURCE: Antibiotiki, v. 10, no. 2, 1965, 134-137

TOPIC TAGS: carbohydrate, tumor, bacteria, mouse, drug effect, electron microscope

ABSTRACT: Investigations established that the development of neoplasms is accompanied by the suppression of the protective powers of the organism, the reticuloendothelial system in particular. This indicates that specific therapy of the tumors should be accompanied by attempts to stimulate the defense system of the organism. With this end in view experiments were conducted to determine the effect of prodigiosin, a polysaccharide preparation obtained from Bacterium prodigiosum -- a nonpathogenic microorganism, on Ehrlich's and sarcoma 180 tumors. Mice were used in the experiments. The intraperitoneal method of administration was found to be the mose effective, and was therefore applied throughout the experiment. The drug was administered to the animals in doses of 10 and 50 micrograms at various periods: two hours prior to, and 24, 48, and 72 hours after the implantation

Card 1/2 UDC: 615.779.925-092.18: 616-006-018

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

L 24138-66
ACC NR: AP6014658

of the tumor. The experiments established that prodigiosin was most effective when administered 24 hours after the implantation of the tumor: doses of 10 micrograms inhibited the growth of sarcoma 180 by 49 percent, while doses of 50 micrograms inhibited the growth of the tumor by 42 percent; its effect on Ehrlich's tumor was more pronounced. Larger doses did not increase the efficacy of the preparation. Electron microscopic and cytochemical investigations established that prodigiosin does not directly affect the tumor cells. It is thought, therefore, that its inhibiting effect on tumor growth is due mainly to the stimulating action of the drug on the protective powers of the organism, including those of the reticuloendothelial system. It is the authors' opinion that the preparation will eventually be clinically applied, particularly since its LD_{50} exceeds the therapeutic dose by about 50 times. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 27Oct64 / ORIG REF: 004

Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

YERMOL'YEVA, Z.V., [illegible] LASTERNAK, N.A.

Treating chronic carriers of diphtheria bacilli [illegible]
vitamin C. Trudy TSIU 68:[illegible] '64.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

YERMOL'YEVA, Z.V.; VAYSBERG, G.Ye.; BRAUDE, A.I.; RAVICH, I.V.; GOLOSOVA, T.V.; PASTERNAK, N.A.

Effect of bacterial polysaccharides on the growth of experimental tumors. Antibiotiki 10 no.2:134-137 F '65. (MIRA 18:5)

1. Kafedra mikrobiologii TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PA[illegible], N. A.

Issledovanie [illegible] metallov /Research on [illegible] of metal/. Moskva, [illegible], 1953. [illegible] p.

SO: Monthly List of Russian Accessions, Vol 6 No 4, July 1953

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

1. PASTERNAK, N. A.

2. USSR (600)

4. Technology

7. Research on cold and hot working of metal. Moskva, Mashgiz, 1953.

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

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.A.

[Study of metal gagging and trueing] Issledovanie kholodnoi i goriachei pravki metalla. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1953. 98 p. (MLRA 6:10)
(Steel)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

KLYACHKIN, Yakov L'vovich, kand.tekhn.nauk; PASTERNAK, N.A., kand.tekhn. nauk, red.; GRUSHEVSKAYA, G.M., red.izd-va; KL'KIND, V.D., tekhn.red.

[Electric arc welding of aluminum] Elektrodugovaia svarka aliuminiia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 194 p. (MIRA 12:11)

(Aluminum--Welding)
(Electric welding--Equipment and supplies)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, A.; SIUDA, A.

Symposium of the Radiochemical Department of the Institute of Nuclear Research. p. 323.

NUKLEONIKA. (Polska Akademia Nauk. Komitet do Sprawa Pokojowego Wykorzystania Energii Jadrowej) Warszawa, Poland. Vol. 4, no. 3, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Incl.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PROZOROV, Leonid Vasil'yevich; UNKSOV, Ye.P., professor, doktor tekhnicheskikh nauk, retsenzent; KULANDIN, Ya.I., inzhener, retsenzent; PASTERNAK, N.A., kandidat tekhnicheskikh nauk, redaktor; POPOVA, S.M. tekhnicheskiy redaktor

[The pressing of steel] Pressovanie stali. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 263 p. (MLRA 9:9)
(Steel--Cold working)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

LEPETSKIY, I.A. [deceased]; FROLOV, V.V., kandidat tekhnicheskikh nauk, redaktor; PASTERNAK, N.A., redaktor izdatel'stva; SHMEL'KINA, S.I., tekhnicheskiy redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor

[Modification of metals during welding] Izmenenie metallov pri svarke. Pod red. V.V.Frolova. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 116 p. (MLRA 9:7)
(Welding)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

AKSENOV, P.N., doktor tekhnicheskiy nauk, redaktor; KRYLOV, V.I., inzhener, redaktor; PASTERNAK, N.A., inzhener, redaktor; UVAROVA, A.F., tekhnicheskiy redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Problems of founding and the heat treatment of iron] Voprosy liteinogo proizvodstva i termicheskoi obrabotki chuguna. Pod red. P.N. Aksenova. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 164 p. (MLRA 9:7)

1. Moscow. Moskovskiy avtomekhanicheskiy institut
(Iron founding) (Iron--Heat treatment)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

NIKOLAYEV, G.A.; DUCHINSKIY, B.N., kandidat tekhnicheskikh nauk, retsenzent; PASTERNAK N.A., inzhener, redaktor; MODEL', B.I., tekhnicheskiy redaktor

[Welded structures] Svarnye konstruktsii. Izd. 2-oe. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 344 p. (MLRA 9:8)
(Welding)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.A.

ASSONOV, Aleksandr Denisovich, kand.tekhn.nauk; KALININ, A.T., kand.tekhn. nauk, retsenzent; PASTERNAK, N.A., kand.tekhn.nauk, red.; YEGORKINA, L.I., red.izd-va; EL'KIND, V.D., tekhn.red.

[Technology of the heat treatment of automobile parts] Tekhnologiia termicheskoi obrabotki detalei avtomobilia. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 263 p. (MIRA 11:4)
(Metals--Heat treatment)
(Automobile industry)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.A.; BLYUMENTAL', K.V.

Significance of new methods of bacteriological study in the diagnosis of diphtheria. Zhur.mikrobiol. epid. i immun. 32 no.4:28-33 Ap '61. (MIRA 14:6)

1. Iz TSentral'nogo instituta usovershenstvovaniya vrachey.
(DIPHTHERIA)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.B.

128-58-4-10/18

AUTHORS: Pasternak, N.B., Shurupov, V.I., Fedchenko, A.M., Kosenko N.A., Engineers

TITLE: Using Molds of Aluminum "AL-9" for Cast Iron-Castings (Lit'ye chuguna v formy iz splava AL-9)

PERIODICAL: Liteynoye Proizvodstvo, 1958, No. 4, p 24 (USSR)

ABSTRACT: The aluminum alloy AL-9 ("GOST 2685-55" standard) was tested and proved a suitable material for molds. The authors share experience in casting cast iron into such molds. The alloy was melted in a coreless induction furnace under a flux consisting of 55% KCl and 45% NaCl, and modified by a mixture of 25% NaF, 12.5% KCl and 62.5% NaCl. It was cast, at 690-710°C, into a negative mold pre-heated to 200-220°C and kept for 15-20 sec in the mold, then air-cooled. The work surfaces of the aluminum molds (mold halves) were anodized. The article contains detailed information on the casting process (the composition of the refractory mold lining, the temperatures of mold pre-heating, and of cast iron at pouring, etc.). The castings were chilled through. The molds did not melt, corrode, or crack.

There are 4 references, 3 of which are Soviet and 1 English.

AVAILABLE: Library of Congress

Card 1/1 1. Molds-Aluminum-Test methods 2. Molds-Aluminum-Test results

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

KRYLOV, Vasiliy Ivanovich; YUDIN, Sergey Timofeyevich; OKROMESHKO, N.V., inzhener, retsenzent; PASTERNAK, E.A., izdatel'skiy redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor

[Foundry equipment] Oborudovanie liteinykh tsekhov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 389 p. (Foundry machinery and supplies) (MLRA 9:10)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.D.

Case of an eosinophile reaction with a protracted course.
Probl. gemat. i perel. krovi 4 no. 10:53-54 O '59.
(MIRA 13:8)

(EOSINOPHILES)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

USSR/Zooparasitology. Parasitic Worms. General Problems. G

Abs Jour: Ref. Zhur. - Biol., No 23, 1958, 104031

Author : Pasternak, N. D.

Inst : -

Title : Case of True Dicrocoeliosis in a Person.

Orig Pub: Med. parazitol. i parazitarn. bolezni, 1958, 27, No 2, 217

Abstract: No abstract

Card 1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.D.

Using human blood complement for the Wassermann reaction. Lab.delo 2 no.2:29 Mr-Ap '56. (MLRA 9:10)
(SYPHILIS) (BLOOD)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.D.

Cytological diagnosis of tuberculous lymphadenitis. Probl. tub. 38 no. 5:104-106 '60. (MIRA 14:1)
(LYMPHATICS--TUBERCULOSIS)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, B.F.

On the central part of the binomial frequency curve. Trudy GIIVT 10:199-207 '51. (MIRA 10:1)
(Mathematical statistics)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.I.

The dynamics of the distribution of radioactive phosphorus and of iodine under conditions of different functional states of the nervous system. N. I. Pasternak. *Sbornik Nauch. Trudov Samarkand. Med. Inst.* 11, 135–8(1956); *Referat. Zhur., Khim., Biol. Khim.* 1957, No. 2839.—The distribution of radioactive P and I was studied in rats in normal states and in the state of medinal narcosis. In the normal state the greater concn. of P was found in the brain. Narcotic sleep impeded the process of P accumulation in all the organs studied (liver, spleen, kidneys, heart, lungs, muscles, brain). The greatest accumulation of radioactive I was found in the thyroid gland. It was higher in the rats under normal conditions than in medinal-narcotized rats; the same was true of the accumulation of the radioactive I in the brain; the accumulation of the radioactive I in liver, kidneys, spleen, and lungs of the narcotized rats was greater than in the rats in the normal state. B. S. Levine

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.I.

COUNTRY : USSR
CATEGORY : Pharmacology and Toxicology. Toxicology. Poisonous Plants
ABS. JOUR. : Ref. Zhur., Ye. 1959, No. 23298

AUTHOR : Pasternak, N. I.
INST. : Samarkand Medical Institute
TITLE : On the Pathogenesis of Trichodesmotoxicosis (Experimental Study on Dogs)

ORIG. PUB. : Avtoref. diss. kand. med. n., Samarkandsk. med. in-t, Samarkand, 1957
ABSTRACT : No abstract

Card: 1/1

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.I. (Andizhanskaya oblast'); BRYSIN, V.G. (Andizhanskaya oblast')

Pollen allergy in animals. Veterinariia 42 no.7:68-69 Jl '65.
(MIRA 18:9)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N. I. Doc Sand Med Sci -- (diss) " Concerning the pathogenesis of trichodesma toxicosis (Experimental ~~tests~~ studies on dogs)." Samarkand, 1957. 11 pp 22 cm. (Samarkand Medical Inst im Academician I.P. Pavlov), 200 copies

(KL, 21-57, 106)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, N.I.

The distribution of radioactive phosphorus in the organism and an experimentally implanted cancer. N. I. Pasternak. *Sbornik Nauch. Trudov Samarkand. Med. Inst.* 11, 180-84 (1956); *Referat. Zhur., Khim., Biol. Khim.* 1957, No. 5256.—Normal mice and mice with an implanted sarcoma M-1 were used in the expts. Both types received subcutaneous injections of P^{32}; the inclusion of the P isotopes into the tissues of the liver, spleen, kidneys, heart, skeletal muscles, and into the gray and white matter of the brain as well as into the tissue of the implanted sarcoma was followed. In the exptl. carcinomatous animals the rate of P inclusion, with the exception of the tissue of the carcinoma, was reduced in all the tissues studied. The rate of inclusion of P into the carcinoma tissue, especially around its periphery was considerably enhanced. In the case of inflammatory foci the rate of P inclusion was of a different character: it was of greatest intensity in the center of the inflammatory process and gradually receded towards the outer boundaries of the inflammation.

B. S. Levine

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

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PASTERNAK, N. I.

MISHCHENKO, I.P.; PASTERNAK, N.I.; IKRAMOVA, R.M.

Using wheat contaminated by the weed Trichodesma incanum. Gig. i san. 21 no.11:81-82 N '56. (MLRA 10:2)

1. Iz kafedry patologicheskoy fiziologii Samarkandskogo meditsinskogo instituta.
(WHEAT--DISEASES AND PESTS) (BORAGE)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

[illegible], T. ., et al.

Technology

Ribbed reinforced concrete ceilings and floorings. Moskva, "ashstroiyzdat, 1950.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

[illegible], I. I.

Technology

Complex constructions; stone constructions, reinforced concrete, Moskva, Stroivoenmorizdat. 1948.

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

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, P. L.

Pasternak, P. L. "Complex structures. Stone structures, reinforced with unsheathed ferroconcrete", in the collection: Issled. raboty po inzh. Konstruktsiyam, Issue [illegible], Moscow, [illegible], [illegible].

SO: U-[illegible], 10 April [illegible], (Letopis 'Zhurnal'nykh Statey, No. 11, [illegible]).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

[redacted] doktor tekhnicheskikh nauk, professor.

Some comments on the numerical method used in designing plates for bending, in particular trapezoid plates and supported along the edges. Issl. po teor. sooruzh. no.4:57-78 '49. (MIRA 10:8)
(Elastic plates and shells) (Flexure)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, Petr Leont'yevich, doktor tekhnicheskikh nauk, professor; TREPENENKOV, R.I., dotsent, kandidat tekhnicheskikh nauk, nauchnyy redaktor; BERDICHEVSKIY, G.I., kandidat tekhnicheskikh nauk, redaktor; TOKER, A.M., tekhnicheskiy redaktor.

[Principles of the new method of calculations for foundations on elastic soils with two bedding coefficients] Osnovy novogo metoda rascheta fundamentov na uprugom osnovanii pri pomoshchi dvukh koeffitsientov posteli. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 55 p. (MIRA 8:1)
(Foundations)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, P.L., professor, doktor tekhnicheskikh nauk; AVAKOV, A.I., kandidat tekhnicheskikh nauk; BERDICHEVSKIY, G.I., kandidat tekhnicheskikh nauk; MIKHAYLOV, K.V., kandidat tekhnicheskikh nauk; MEDVEDEV, L.Ya., tekhnicheskiy redaktor; TUMARKIN, D.M., inzhener, redaktor

[Prefabricated roofs made of prestressed composite girders and panels for industrial buildings] Sbornye pokrytiia promyshlennykh zdanii iz predvaritel'no napriazhennykh balok i panelei kompleksnoi konstruktsii. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 63 p. (MLRA 7:8)
(Roofs) (Concrete, Prestressed)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, P.L., doktor tekhnicheskikh nauk, professor, rudovoditel';

MIKHAYLOV, K.V., kandidat tekhnicheskikh nauk; BERDICHEVSKIY, G.I., kandidat tekhnicheskikh nauk.

Panels of complex design for heated beamless floors of industrial buildings developed by the Scientific Research Institute of Construction. Rats. i izobr. predl. v stroi. no.81:13-17 '54.
(Floors, Concrete) (MIRA 8:6)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK,P.L., professor, doktor tekhnicheskikh nauk, rukovoditel'. BERDICHEVSKIY,G.I., kandidat tekhnicheskikh nauk; AVAKOV,A.I., kandidat tekhnicheskikh nauk; MIKHAYLOV,K.V., kandidat tekhnicheskikh nauk

Prestressed reinforced concrete beams developed by the Scientific Research Institute of Construction. Rats. i izobr. predl. v stroi. no.81:23-25 '54. (MLRA 8:6)
(Girders) (Concrete, Prestressed)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

TASTERNAK, I L

MURASHEV, V.A., prof., doktor tekhn.nauk; MIRONOV, S.A., prof., doktor tekhn.nauk; ALEKSANDROVSKIY, S.V., kand.tekhn.nauk; TAL', K.E., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk; MULIN, S.M., kand.tekhn.nauk; SIGALOV, E.Ye., kand.tekhn.nauk; NEMIROVSKIY, Ya.M., kand.tekhn.nauk; TABENKIN, N.L., inzh. [deceased]; KALATUROV, B.A., kand.tekhn.nauk; BRAUDE, Z.I., inzh.; KRYLOV, S.M., kand.tekhn.nauk; POKIN, K.F., doktor tekhn.nauk; GUSEV, N.M., prof., doktor tekhn.nauk; YAKOVLEV, A.I., inzh.; KORENEV, B.G., prof., doktor tekhn.nauk; DERESHKEVICH, Yu.V., inzh.; MOSKVIN, V.M.; LUR'YE, L.L., inzh.; MAKARICHEV, V.V., kand.tekhn.nauk; SHEVCHENKO, V.A., inzh.; VASIL'YEV, B.F., inzh.; KOSTYUKOVSKIY, M.G., kand.tekhn.nauk; MAGARIK, I.L., inzh.; IL'YASHEVSKIY, Ya.A., inzh.; LARIKOV, A.F., inzh.; STULOV, T.T., inzh.; TRUSOV, L.P., inzh.; LYUDKOVSKIY, I.G., kand.tekhn.nauk; POPOV, A.N., kand.tekhn. nauk; VINOGRADOV, N.M., inzh.; USHAKOV, N.A., kand.tekhn.nauk; SVERILOV, P.M., inzh.; TER-OVANESOV, G.S., inzh.; GLADKOV, B.N., kand.tekhn.nauk; KOSTOCHKINA, G.V., arkh.; KUREK, N.M.; OSTROVSKIY, M.V., kand.tekhn.nauk; PEREL'SHTEYN, Z.M., inzh.; BUKSHTEYN, D.I., inzh.;

(Continued on next card)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

MURASHEV, V.A.---(continued) Card 2.

MIKHAYLOV, V.G., kand.tekhn.nauk; SIGALOV, E.Ye., kand.tekhn.nauk; GVOZDEV, A.A., prof., retsenzent; MIKHAYLOV, V.V., prof., retsenzent; PASTERNAK, P.L., prof., retsenzent; SHUBIN, K.A., inzh., retsenzent; TEMKIN, L.Ye., inzh., nauchnyy red.; KOTIK, B.A., red. izd-va; GORYACHEVA, T.V., red.izd-va; MEDVEDEV, L.Ya., tekhn.red.

[Handbook for designers] Spravochnik proektirovshchika. Pod obshchei red. V.I.Murasheva. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Vol.5. [Precast reinforced concrete construction elements] Sbornye zhelezobetonnye konstruktsii. 1959. 603 p. (MIRA 12:12)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut betona i zhelezobetona, Perovo. 2. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Murashev, Gvozdev, Mikhaylov, V.V., Pasternak, Shubin). 3. Chlen-korresp. Akademii stroitel'stva i arkhitektury SSSR (for Mironov, Gusev, Moskvin, Kurek).

(Precast concrete construction).

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

SOV/124-57-5-5980

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 139 (USSR)

AUTHOR: Pasternak, P. L.

TITLE: The Fundamentals of a New Method for Analyzing Rigid and Elastic Foundations Resting on an Elastic Base (Osnovy novogo metoda rascheta zhestkikh i gibkikh fundamentov na uprugom osnovanii)

PERIODICAL: Sb. tr. Mosk. inzh.-stroit. in t, 1956, Nr 14, pp 116-144

ABSTRACT: The author presents a new method for analyzing beams and plates resting on an elastic base, a method whereby the elastic properties of the underlying ground are determined from two of its characteristics: 1) its compression coefficient C_1 (expressed in kg/cm^3) which relates the intensity of the ground's uplift pressure σ to the amount of settling exhibited by the ground, v; and 2) its shear coefficient C_2 (kg/cm), which relates the vertical shear force t to the derivative in the longitudinal direction x of the ground settling. The relationships assumed are:

$$\sigma = C_1 v, \qquad t = C_2 \frac{\partial v}{\partial x} \qquad (1)$$

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The Fundamentals of a New Method for Analyzing Rigid and Elastic (cont.)

On these premises, it being assumed also that an elementary column in the base is in a state of equilibrium, the differential equation for the horizontal area of the ground depression due to settlement can be reduced to the form:

$$\nabla^2 v(\xi, \eta) - v(\xi, \eta) = - p/C_1 \qquad (2)$$

wherein p is the pressure exerted by the base on the ground and

$$\xi = x/s, \qquad \eta = y/s, \qquad s = \sqrt{C_2/C_1}$$

When the upper surface of the base is acted upon by a concentrated force N, equation (2) can be rewritten in the form

$$\frac{d^2v}{d\xi^2} + \frac{1}{\xi}\frac{dv}{d\xi} - v = 0 \qquad (3)$$

having the solution

$$v = \frac{N}{2\pi C_2} K_o(\xi) \qquad (4)$$

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

The Fundamentals of a New Method for Analyzing Rigid and Elastic (cont.)

(K_0 here being the second-order solution of a Bessel equation of an imaginary argument). In the solution to the problem of a circular, symmetrically loaded penetration die of radius r the external force N acting upon the die is counterbalanced by a combination of two types of reactive force, i.e., $N = N_{face} + N_{periphery}$, N_{face} being the total reactive force (consisting of a plurality of uniformly distributed pressures) acting over the entire undersurface or facial area of the die, and $N_{periphery}$ the total reactive force (consisting of a plurality of uniformly distributed forces) acting over the entire peripheral-surface area of the die. The intensity of the reactive force $N_{periphery}$ equals the volume of the depression made by the die multiplied by the compression coefficient of the depressed material C_1. This being the case the reactive force N is related to the volumetric penetration of the die v_o through the equality:

$$N = \pi v_o s^2 C_1 \left[\xi_o^2 + \frac{2 K_1(\xi_o)\, \xi_o}{K_o(\xi_o)} \right] \qquad (\xi_o = r/s) \qquad (5)$$

An analogous expression is given for the angle of rotation α_o exhibited by the die as a result of its being acted upon by the moment M. The author proposes using formulas relating v_o to N and α_o to M in order to arrive experimentally at values

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The Fundamentals of a New Method for Analyzing Rigid and Elastic (cont.)

for the compression coefficient C_1 and the shear coefficient C_2. For the case of a rigid rectangular die the problem is solved numerically by a grid method. An equation for the bending behavior of a rectangular plate having a cylindrical stiffness D and being acted upon by an external distributed load q is obtained by substituting in the ordinary differential equation for the bending behavior the reactive-pressure value from expression (2):

$$\frac{s_1^4}{4}\nabla^4 w - s_2^2\nabla^2 w + w = \frac{s_1^4}{4} q \qquad (w=Dv,\ s_2=s,\ s_1=\sqrt[4]{4D/C_1}) \qquad (6)$$

It is proposed that this equation be solved with the aid either of double trigonometric series, of single hyperbolic-trigonometric series, or by a grid method. In calculating a strip footing of width 2b the author assumes that the strip undergoes no transverse deformations and that the reactive pressures acting upon it are, therefore, uniform. The equation given for the ground depression made by the strip is

$$v_y = v_x \frac{K_o(\eta)}{K_o(\eta_o)} \qquad (\eta = y/s_2,\ \eta_o = b/s_2), \qquad (7)$$

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The Fundamentals of a New Method for Analyzing Rigid and Elastic (cont.)

v_x being the volumetric penetration of the strip into the ground as measured horizontally along the x axis, said axis coinciding with the longitudinal axis of the undersurface of the strip. The intensity T of the edge reactions due to the distributed forces is

$$T = C_1 v_x \int_{\eta_o}^{\infty} \frac{K_o(\eta)\, d\eta}{K_o(\eta_o)} \qquad (8)$$

When the reactive-pressure values determined with equations (2) and (8) are substituted into the differential equation for the bending behavior of a strip having a stiffness EI and being acted upon by an external distributed q, said differential equation is then reducible to the form:

$$\frac{s_1^4}{4} w^{IV} - s_2^2 w'' + w = \frac{s_1^4}{4} q \qquad (9)$$

$$w = Elv, \quad \frac{s_1^4}{4} = \frac{EI}{2bC_1\rho}, \quad s_2^2 = \frac{C_2}{\rho C_1}, \quad \rho = 1 + \frac{s}{2b} \int_{\eta_o}^{\infty} \frac{K_o(\eta)\, d\eta}{K_o(\eta_o)} = 1 + \frac{s}{2b}$$

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In their final form the author's equations for an elastic base agree well with those of V. Z. Vlasov (RZhMekh, Nr 5, 1957, abstract 5979) and with those of M. M. Filonenko-Borodich (Uch. zap. MGU, 1940, Nr 46), even though the respective mechanical analogs of the elastic base used by the three authors differed radically. In the present paper the author neglects to explain how the ground is able to absorb the running linear force load transmitted to it by the edges of the foundation, since, as the author states, the degree of concentration thereof exceeds that degree of distributed-pressure concentration beneath the foundation edges stipulated as the maximum allowable in the solution obtained according to elasticity theory. The text of this paper, with a supplement on foundation analysis in accordance with the stipulations of the two-dimensional problem, has been published previously in booklet form [see Pasternak, P. L. Osnovy novogo metoda rascheta fundamentov na uprugom osnovanii pri pomoshchi dvukh koeffitsiyentov posteli (Fundamentals of a New Method for Analyzing Foundations Resting on an Elastic Base With the Aid of Two Bearing Values). Moscow, Gos. izd-vo lit. po str-vu i arkhitekture, 1954].

M. I. Gorbunov-Posadov

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, P.L., doktor tekhn. nauk, prof.

Speeches of conference members. Sbor. trud. MISI no.14:221-237 '56.
(Soil mechanics) (MLRA 10:9)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, P.L.

PASTERNAK, P.L., prof. doktor tekhn.nauk

Scientific research conducted at structural engineering schools in the field of industrial precast reinforced concrete structural components. Sbor. trud. MISI no.11:4-10 '57. (MIRA 11:3)
(Precast concrete)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

MURASHEV, Vasiliy Ivanovich, doktor tekhn. nauk, prof.[deceased]; SIGALOV, Emmanuil Yevseyevich, kand. tekhn. nauk, dots.; BAYKOV, Vitaliy Nikolayevich, kand. tekhn.nauk, dots. Prinimal uchastiye MILOVANOV, A.P., kand. tekhn. nauk; PASTERNAK, P.L., doktor tekhn. nauk, prof., red.; TREPENENKOV, R.I., kand. tekhn. nauk, dots., nauchnyy red.; BEGAK, L.A., red. izd-va; MOCHALINA, Z.S., tekhn.red.

[Reinforced concrete elements]Zhelezobetonnye konstruktsii; obshchii kurs. Pod red. P.L.Pasternaka. Moskva, Gosstroiizdat, 1962. 658 p. (MIRA 15:10)

(Precast concrete)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK P.L., prof., doktor tekhn.nauk; SIGALOV, E. Ye., dotsent, kand. tekhn.nauk

Designing common crack-resistant concrete and prestressed reinforced-concrete sections. Bet. i zhel.-bet. no.5:207-213 My '61. (MIRA 14:6)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Pasternak).
(Concrete--Testing)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, P.L.

Double-curvature shells in residential and public-building construction. Izv. ASia no. 3:39-63 '60. (MIRA 13:12)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR.

(Roofs, Shell)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PALATNIKOV, Yevgeniy Andreyevich; PASTERNAK, P.L., doktor tekhn. nauk, prof., retsenzent; SHTAYERMAN, I.Ya., doktor fiz.-mat. nauk, prof., retsenzent; MARTENS, S.L., inzh., red.; SHEYNFAYN, L.I., izd. red.; ROZHIN, V.P., tekhn. red.

[Designing reinforced-concrete slabs for airport pavements] Raschet zhelezobetonnykh plit pokrytii aeroportov. Moskva, Gos.nauchno-tekhn. izd-vo Oborongiz, Moskva, 1961. 94 p. (MIRA 14:6)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Pasternak). 2. Chlen-korrespondent AN USSR (for Shtayerman)
(Concrete slabs) (Airports--Runways)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

MOLOTKOV, P.I.; KAPLUNOVSKIY, P.S.; GAVRUSEVICH, A.N.; MOLOTKOVA, I.I.; PASTERNAK, P.S.; CHUBATYY, O.V.; POLYANOVSKIY, A.A., otv. za vypusk; PANCHENKO, V., red.; LUCHKIV, M., tekhn. red.

[Mountain forest types] Tipy gornykh lesov. Uzhgorod, Zakarpatskoe obl. knizhno-gazetnoe izd-vo, 1961. 79 p. (MIRA 15:7)
(Transcarpathia--Forests and forestry)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, P.S.; SKIBA, V.V.

Content and composition of humus in brown forest soils in the Carpathians. Pochvovedenie no.12:74-79 D '62. (MIRA 16:2)

1. Karpatskaya lesnaya opytnaya stantsiya.
(Carpathian Mountains--Forest soils)
(Carpathian Mountains--Humus)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, P.S.

"The Siberian Acacia and Its Effect on the Fertility of Forest Soils."
Cand Biol Sci, Dnepropetrovsk State U, Kiev, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, P.S.; POGREBNYAK, P.S., diisnyi chlen Akademiyi nauk URSR.

Effect of the Siberian pea shrub on the unstable forms of nitrogen in forest soils. Dop.AN URSR no.4:259-263 '53. (MLRA 6:8)

1. Instytut lisivnytstva Akademiyi nauk URSR. 2. Akademiya nauk URSR (for (Caragana) Pogrebnyak).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

VOROB'YEVA, N.N.; PASTERNAK, R.A.

Hemo phagocytic indexes in the saliva of patients with different forms of gingivitis. Stamotologiia 35 no.2:59-60 Mr-Ap '56. (MLRA 9:8)

1. Iz kafedry mikrobiologii Kiyevskogo meditsinskogo stomatologicheskogo instituta

(GUMS--DISEASES) (SALIVA)
(OPSONINS AND OPSONIC INDEX)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

VOROB'YEVA, N.N.; PASTERNAK, R.A.

Hemo phagocytic indexes in the saliva of patients with different forms of gingivitis. Stamotologiia 35 no.2:59-60 Mr-Ap '56. (MLRA 9:8)

1. Iz kafedry mikrobiologii Kiyevskogo meditsinskogo stomatologicheskogo instituta

(GUMS--DISEASES) (SALIVA)
(OPSONINS AND OPSONIC INDEX)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

SKURSKAYA, N.N., kand.med.nauk (Kiyev); PASTERNAK, R.A., assistent (Kiyev)

Influence of antibiotics on the microflora of pathological gingival puches in paradentosis. Probl.stom. 4:301-304 '58. (MIRA 13:6)

(GUMS--DISEASES) (ANTIBIOTICS)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

VOROB'YEVA, N.N.; PASTERNAK, R.A.

Hemo phagocytic indexes in the saliva of patients with different forms of gingivitis. Stamotologiia 35 no.2:59-60 Mr-Ap '56.
(MLRA 9:8)

1. Iz kafedry mikrobiologii Kiyevskogo meditsinskogo stomatologicheskogo instituta

(GUMS--DISEASES) (SALIVA)
(OPSONINS AND OPSONIC INDEX)

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PASTERNAK, R. K. Cand Biol Sci -- (diss) "Certain problems of the ecology of the [Teredo navalis L/ship worm]." Mos, 1958. 18 pp (Mos Order of Lenin and Order of Labor Red Banner State Univ im M. V. Lomonosov), 100 copies (KL, 14-58, 112)

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PASTERNAK, R.N.

46-4 -1-4/23

AUTHORS: Vovk, A. Ye, Pasternak, R. N., Tyutekin, V. V.

TITLE: Experimental Investigation of Wave Motion in a Medium with Cylindrical Channels. (Eksperimental'noye issledovaniye volnovykh svoystv sredy s tsilindricheskimi kanalami.)

PERIODICAL: Akusticheskiy Zhurnal, 1958, Vol.IV, Nr.1, pp.24-32. (USSR)

ABSTRACT: An approximate calculation of acoustic properties of a medium with cylindrical channels (cavities) was carried out by G.D. Malyuzhintsev. V.V. Tyutekin (Ref.1) dealt with the problem of propagation of elastic waves in such a medium. For the special case of a rubberlike material an expression was obtained for the complex wave-number corresponding to waves propagated parallel to the channel axes when the channel radius was small compared with the shear wavelength (the "static" case). A dynamical correction, similar to the Rayleigh correction, for the case of propagation of axially symmetric elastic waves in a solid rod was found. In the present paper the authors show how to calculate the complex wave-number from the measured value of the complex

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Experimental Investigation of Wave Motion in a Medium with Cylindrical Channels. 46-4-1-4/23

impedance of a medium with cylindrical channels. This calculation is followed by the description of an experimental verification of the theory given in Ref.1 and an analysis of experimental determination of acoustic properties of the medium in the case when the channel radius is comparable with the shear wavelength, since the latter case could not be dealt with theoretically because of its complexity. The experimental studies were carried out using the "pulse" tube apparatus (Ref.5,6). Rubber cylinders with cylindrical cavities parallel to their axes were used as samples in this study. In order to satisfy the theoretical conditions given in Ref.1 the number of channels had to be equal to 7, 19, 37 etc. (see Fig.1). A further theoretical condition of radial fixing of the external surfaces of samples was complied with by complete immersion in the pulse tube and attachment to the latter by means of a wire. Figs. 3 and 4 show experimental values (crosses, dots and triangles) of quantities P and Q which occur in the expression for the complex

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Experimental Investigation of Wave Motion in a Medium with Cylindrical Channels.

impedance of the sample Z_0 (Eq.3'). Theoretical values of P and Q calculated from the elastic constants of rubber, are given as continuous curves in Figs.3 and 4. The agreement between experiment and theory is considered to be satisfactory. Fig.6 shows non-dimensional compressibility of a channel in the rubber sample for various values of the quantity ε. This quantity is given by $\varepsilon = a/b$, where a = channel radius and b = radius of a tube equivalent in size to the hexagonal prism surrounding the channel as shown in Fig.1. Fig.7 shows the results of measurement of the complex shear modulus of rubber with cylindrical channels. This figure shows also (crosses) the results from Ref.8 which were obtained using a long acoustic line. Good agreement between the results obtained by the present authors and those of Ref.8 can be seen in Fig.7. There are 7 figures, 1 table and 8 references, 5 of which are Soviet, 2 American and 1 German.

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46-_4-1-4/23

Experimental Investigation of Wave Motion in a Medium with Cylindrical Channels.

ASSOCIATION: Acoustics Institute, Academy of Sciences of the USSR, Moscow (Akusticheskiy institut AN SSSR, Moskva)

SUBMITTED: February 20, 1957.

1. Cylindrical shells—Acoustic properties—Theory

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PASTERNAK, S.I.; GAVRYLISHIN, V.I. [Havrylyshyn, V.I.]

Middle Albian of the Volyn'-Podolian plateau. Dop. AN URSR (MIRA 17:7)
no.7:955-958 '64.

1. Institut geologii i geokhimii goryuchikh iskopayemykh AN UkrSSR.
Predstavleno akademikom AN UkrSSR O.S.Vyalovym.

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PASTERNAK, S.I.

Ancyloceras bipunctatum Schluter from Maestrichtian strata of the Volyn-Podolian Upland. Geol.sbor.[Lvov] no.1:157-159 '54.
(MLRA 10:1)

1. Institut geologii poleznykh iskopayemykh Akademii nauk USSR, L'vov.
(Volyn-Podolian Upland--Cephalopoda, Fossil)

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PASTERNAK, S.I.

Stepanyda Omelianivna Pashkevych; obituary. Nauk.zap.L'viv.un. 28:129-130 '54. (MLRA 9:10)

(Pashkevych, Stepanyda Omelianivna, 1889-1953)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, S.I.

Data on Pectinidae in Cretaceous formations of the Volyn-Podolian plateau. Nauk.zap.Pryrod.muz.L'viv.fil.AN URSR 5:14-23 '56.
(MLRA 10:5)
(Volyn-Podolian Upland--Lamellibranchiata, Fossil)

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PASTERNAK, S.I.

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(Pashkevych, Stepanyda Omelianivna, 1889-1953)

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PASTERNAK, S.I., kand. geol.-miner. nauk, otv. red.; ZDUN, V.I., doktor biol. nauk, red.; MALINOVSKIY, K.A. [Malynovs'kyi, K.A.], kand. biol. nauk, red.; CHERKASHCHENKO, M.I., kand. geol. nauk, red.; TISHCHENKO, M.N.[Tyshchenko, M.N.], red.; ANDRIYCHUK, M.D.[Andriichuk, M.D.], red.; MATVIICHUK, O.O.[Matviichuk, O.O.], tekhn. red.

[Present and past fauna in the western provinces of the Ukraine] Suchasna ta mynula fauna zakhidnykh oblastei Ukrainy. Kyiv, Vyd-vo AN URSR, 1963. 92 p. (MIRA 17:2)

1. Akademiya nauk USSR, Kiev. Naukovo-pryrodoznavchyi muzey.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, S.I.; KOTSYUBINSKIY, S.P. [Kotsiubyns'kyi, S.P.]

Cretaceous sediments of the Volyn-Podolian Plateau and possibilities of their exploitation in the building industry. Nauk. zap. Nauk.-pryrod. muz. AN URSR 9:31-34 '61. (MIRA 15:2)

(Volyn-Podolian Upland--Geology, Stratigraphic)
(Building materials)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, S.I.

Systematics of Upper Cretaceous pectinids. Paleont.sbor. [Lvov] no.1:19-21 '61. (MIRA 15:9)

1. Naukovo-prirodovedcheskiy muzey AN UkrSSR, L'vov.
(Volyn'-Podolian Upland—Pectinidea, Fossil—Classification)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

VYALOV, O.S. ; PASTERNAK, S. I.

In memory of B. S. Kokoshinskaia. Paleont.sbor. [Lvov] no.1:157-158 '61. (MIRA 15:9)
(Kokoshinskaia, Bronislava Sigizmundovna, 1897-1959)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, S.I.

New data on the fauna of the Zhuravnoye sandstone [with summary in English]. Nauk.zap.Nauk.-pryrod.muz.AN URSR 6:107-113 '58. (MIRA 12:1)

(Zhuravnoye region--Paleontology, Stratigraphic)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, S.I.

Albian-Cenomanian in the Volyn'-Podolian plateau. Geol. sbor. [Lwov] no.4:128-142 '57. (MIRA 13:2)

1.Nauchno-prirodovedcheskiy muzey AN USSR, L'vov.
(Volyn'-Podolian Upland--Geology, Stratigraphic)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

KOTSYUBINSKIY, Stepan Petrovich [Kotsiubyns'kyi, S.P.]; PASTERNAK, S.I., kand.geologo-mineral.nauk, otv.red.; MEL'NIK, G.F. [Mel'nyk, H.F.], red.izd-va; YURCHISHIN, V.I., tekhn.red.

[Inoceramus in Cretaceous deposits of the Volyn-Podolian Upland] Inotserami kreidovykh vidkladiv Volyno-Podil's'koi plyty. Kyiv, Vyd-vo Akad.nauk URSR, 1958. 49 p. (MIRA 13:1)
(Volyn-Podolian Upland--Lamellibranchiata, Fossil)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001239

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, S.I.

Facies profile of Cretaceous deposits of the Volyn-Podolian Upland.
Geol.zhur.16 no.4:68-71 '56. (MLRA 10:2)
(Volyn-Podolian Upland--Geology, Stratigraphic)

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PASTERNAK, S.I.

Centennial of the Lvov Natural History Museum of the Academy of Sciences of the Ukrainian S.S.R. Geol.sbor.[Lvov] no.2/3:347-348 '56. (MLRA 10:3)

1. L'vovskiy nauchno-prirodovedcheskiy muzey AN SSSR.
(Lvov--Natural history museums)

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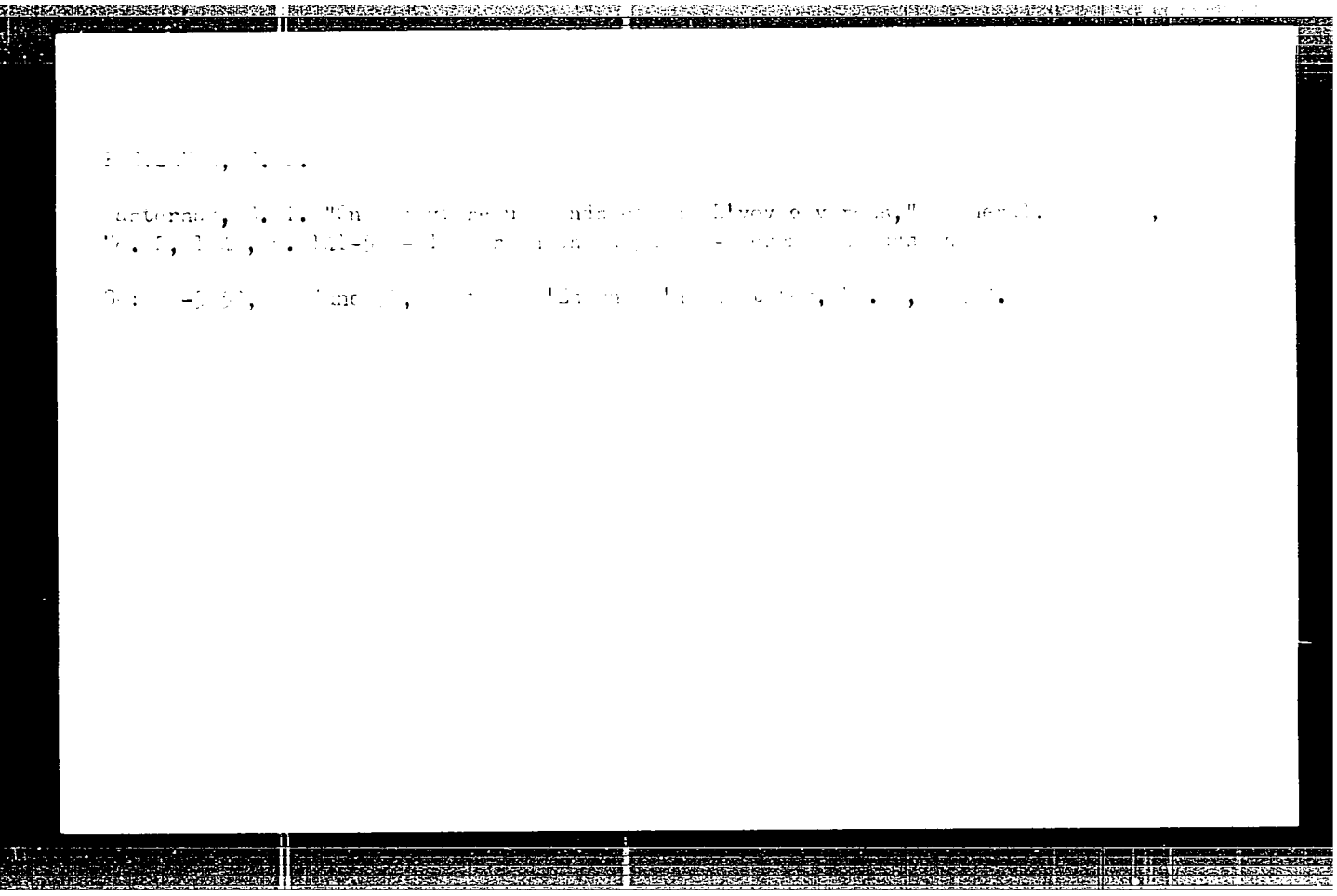

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PASTERNAK, S.I.

Stratigraphy of upper Cretaceous sediments of the Lvov Lowland. Trudy VNIGNI no.29:91-95 vol.3 '61. (MIRA 14:9)
(Lvov Lowland--Geology, Stratigraphic)

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PASTERNAK, S.I.

VYALOV, O.S.; PASTERNAK, S.I.

New discoveries of Inoceramus in Transcarpathian flysch. Geol.sbor. [Lvov] no.2/3:203-209 '56. (MLRA 10:3)

1. L'vovskiy gosunoversitet imeni Ivana Franko (for Vyalov).2.L'vovskiy nauchno-pripodovedcheskiy muzey AN USSR (for Pasternak).
(Transcarpathia--Lamellibranchiata, Fossil)

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PASTERNAK, S.I.

Fauna of the Cretaceous sediments of Rakhov District, Transcarpathia. Nauk zap. Nauk.-pryrod. muz. AN URSR 9:12-23 '61. (MIRA 15:2)
(Rakhov District—Paleontology, Stratigraphic)

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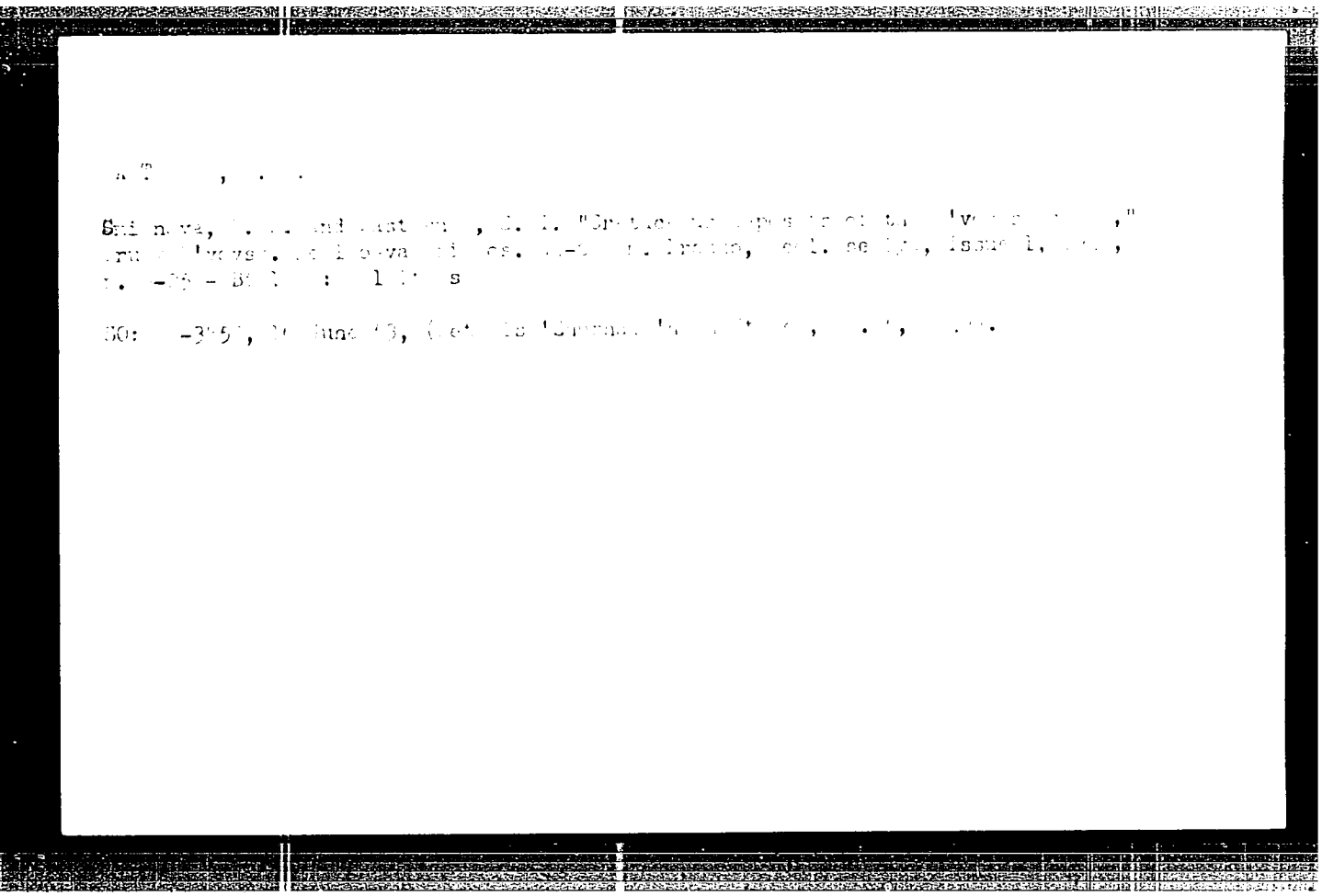

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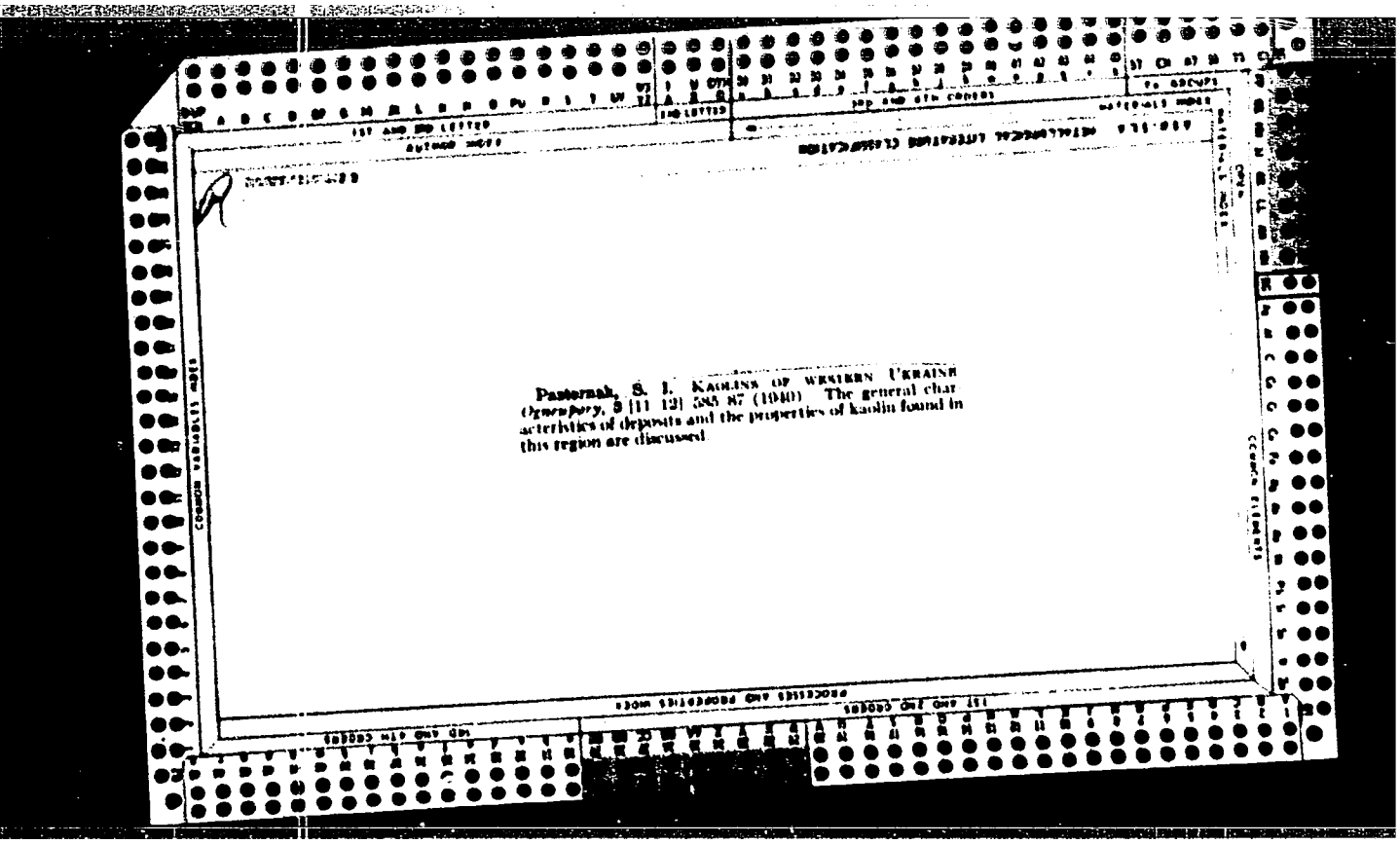

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PASTERNAK, Severin Ivanovich; LADYZHENSKIY, N.R. [Ladyzhens'kyi, M.R.], doktor geol.-mineral.nauk, otv.red.; OVCHAROVA, Z.G. [Ovcharova, Z.H.], red.; BUNIY, R.O., tekhn.red.

[Cretaceous biostratigraphy of the Volyn'-Podolian plateau] Biostratygrafiia kreidovykh vidkladiv Volyno-Podil's'koi plyty. Kyiv, Vyd-vo Akad.nauk URSR, 1959. 98 p.
(MIRA 14:6)
(Volyn'-Podolian Upland—Paleontology, Stratigraphic)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

PASTERNAK, S.I.

Serpulidae in Cretaceous rocks of Volyn-Podolian Upland and their significance for stratigraphy. Nauk.zap.L'viv.nauk pryrod.muz.AN URSR 4:20-44 '55. (MLRA 9:9)
(Volyn-Podolian Upland--Serpulidae, Fossil)

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PASTERNAK, Severin Ivanovich; LADIZHENSKIY, M.R. [Ladyzhens'kyi, M.R.], doktor geol.-mineral.nauk, otv.red.; OVCHAROVA, Z.G.[Ovcharova, Z.H.], red.; BUNIY, R.O., tekhn.red.

[Biostratigraphy of Cretaceous deposits of the Volyn'-Podolian Upland] Biostratygrafiia kreidovykh vidkladiv Volyno-Podil's'koi plyty. Kyiv, Vyd-vo Akad.nauk URSR, 1959. 98 p. (MIRA 13:4)
(Volyn'-Podolian Upland--Paleontology, Stratigraphic)

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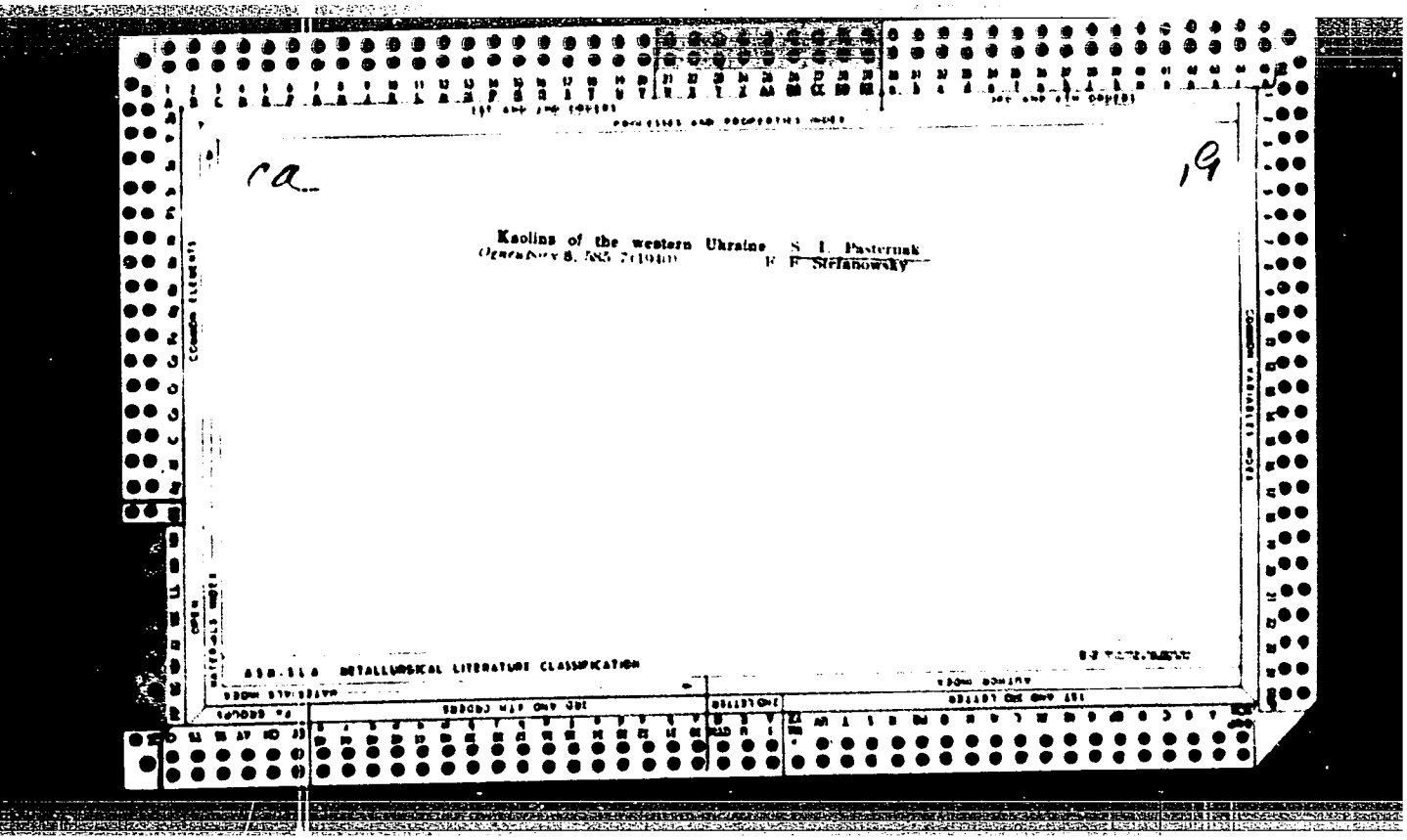

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Kaolins of the western Ukraine S. I. Pasternak
Ogneupory 8, 585-7(1940) F. F. Stefanowsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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