POTAPOV, N. P. Cand Phys-Math Sci -- (diss) "Thermistor Material From ~~the~~ Oxides of Manganese and ~~XXXXXXX~~ Nickel. ~~The~~ Effect of Composition and ~~Thermal XXXXXXXX~~ Treatment on ~~the~~ its Structure and Electrical Properties ~~of That Material~~" Odessa, 1957. 14 pp with graphs, 20 cm. (Min of Higher Education Ukrainian SSR, Odessa State Univ im I. M. Mechnikov), 100 copies (KL, 28-57,109)

POTAPOV, N. P.

4412. POTAPOV, N. P. -- Puti povysheniya kachestva zhilishchnogo stroitel'stva v Leningrade. (stenogramma lektsii...dlya rabotnikov proektnykh organizatsiy i stroit. trestov). L., 1954. 121 sm. (vsesoyuz. O-vo po rasprostraneniyu polit. i nauch: znaniy. Leningr. dom nauch-tekhn. propagandy). ch. 1. 18s. 3.800 ekz. 60k. -- (55-813)p 69.03(47.411)

SO: Knizhnaya Letopsis', Vol. 1, 1955

POTAPOV, N.S.

Towing

Pushing non-propulsion boats and technical facilities for hook-up systems. Rech. transp. 12 no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 1953, Uncl.

1. POTAPOV, N. S., Eng.

2. USSR (600)

4. Inland Water Transportation

7. River fleet in the fifth five-year plan, Mech. transp., 13, no. 2, 1953.

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

1. POTAPOV, M.S.

2. USSR (600)

4. Tugboats

7. Diesel-propelled pusher, Tekh.molod. 21 no.1, 1953.

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

KRAKOVSKIY,I.I.; LOBANOV,Ye.M., redaktor; ARISTOV,Yu.K., redaktor; POTAPOV,N.S., retsenzent; SURVILLO,V.L., retsenzent; BAGICHEVA,M.N., tekhnicheskiy redaktor

[Auxiliary mechanisms of ships.] Sudovye vspomogatel'nye mekhanizmy. Moskva, Izd-vo "Rechnoi transport" Pt.1.[Deck mechanisms] Palubnye mekhanizmy. 1955. 234 p. (MIRA 9:3)
(Ships--Equipment and supplies)

POTAPOV, N.S.

RUFANOV, Pavel Grigor'yevich; POTAPOV, N.S., retsenzent; VYSOTA, I.I., retsenzent; KOMOGORTSEV, P.Ya., redaktor; SHLENNIKOVA, Z.V., redaktor; BEGICHEVA, M.N., tekhnicheskiy redaktor.

[Marine steam engines and turbines] Sudovye parovye mashiny i turbiny. Izd. 2-e, ispr. i dop. Moskva, Izd-vo "Rechnoi transport," 1955. 530 p. (MLRA 8:4)

(Marine engines) (Steam turbines)

VYSOTA, Ivan Iosifovich; PLAKHOV, Veniamin Semenovich; KUPRIYANOV, D.F., retsenzent; POTAPOV, N.S., retsenzent; PETROV, M.D., redaktor; SHLEMNIKOVA, Z.V., redaktor izdatel'stva; KRASNAYA, A.K., tekhnicheskiy redaktor

[Ships' power plants] Sudovye silovye ustanovki. Moskva, Izd-vo "Rechnoi transport," 1957. 359 p. (MLRA 10:7)
(Marine engines)

POTAPOV, N.S., inzh.

Use of the pusher method in Western Europe. Rech. transp. 17 no.4:37-38 Ap '57. (MIRA 11:4)
(Europe, Wester--Towing)

KUZOVLEV, Vitaliy Aleksandrovich,; KOMOGORTSEV, P.Ya., red.; POTAPOV, M.S., retsenzent,; KAN, P.M., red. izd-va,; KUZ'MIN, G.M., tekhn. red.

[Steam boilers and engines for river and lake vessels] Rechnye parovye kotly i mashiny. Izd. 3., ispr. i dop. Moskva, Izd-vo "Rechnoi transport." Pt. 1. 1958. 301 p. (MIRA 11:11)
(Marine engines)
(Boilers, Marine)

POTAPOV, N.S., inzh.

New types of equipment used in transporting bulk cargoes. Rech. transp. 17 no. 7:53-55 Jl '58. (MIRA 11:8)
(Germany, Western--Containers)

POTAPOV, N.S., inzh.

New types of equipment used in transporting bulk cargoes. Rech. transp. 17 no. 7:53-55 Jl '58. (MIRA 11:8)
(Germany, Western--Containers)

POPOV, Vyacheslav Yakovlevich; POTAPOV, N.S., retsenzent; KRUTIN, G.I., retsenzent; MYASNIKOV, N.V., red.; KUZOVLEV, V.A., red.; SHLENNIKOVA, Z.V., red.izd-va; YERMAKOVA, T.T., tekhn.red.

[Marine engines] Sudovaia mekhanika. Moskva, Izd-vo "Rechnoi transport," 1959. 386 p. (MIRA 12:10)
(Marine engineering)

YEFREMOV, G.V.; POTAPOV, N.S., red.; KRASNAYA, A.K., tekhn. red.

[Manual for a ship's carpenter] Uchebnik dlia sudovogo plotnika. Moskva, Rechizdat, 1951. 198 p. (MIRA 16:7)
(Carpentry--Handbooks, manuals, etc.)
(Shipbuilding--Handbooks, manuals, etc.)

LAKHANIN, Vladimir Vladimirovich, prof., doktor tekhn. nauk; KHOZE, Anatoliy Naumovich, dots., kand. tekhn. nauk; LEONT'YEVSKIY, Ye.S., inzh., retsenzent; KONOVALOV, Ye.S., kand. tekhn. nauk, retsenzent; SHILYAYEV, P.N., kand. tekhn. nauk, retsenzent; POTAPOV, N.S., inzh., red.; SHLENNIKOVA, Z.V., red. izd-va; BODROVA, V.A., tekhn. red.

[General heat engineering; thermodynamics and marine power plants] Obshchaia teplotekhnika; termodinamika i sudovye silovye ustanovki. Moskva, Izd-vo "Rechnoi transport," 1961. 300 p. (MIRA 15:2)

(Marine engines) (Thermodynamics)

POTAPOV, N. S.

PHASE I BOOK EXPLOITATION SOV/5542

Akademiya nauk SSSR. Morskoy gidrofizicheskiy institut

Gidrometeorologiya, Gidrokhimiya (Hydrometeorology, Hydrochemistry) Moscow, 1959. 173 p. (Series: Its: Trudy, tom 16) Errata slip inserted. 1,200 copies printed.

Resp. Ed.: A.A. Ivanov; Ed. of Publishing House: L.K. Nikolayeva; Tech. Ed.: I.N. Dorokhina.

PURPOSE: This publication is intended for meteorologists, hydrologists, and chemists interested in the chemical composition of sea water.

COVERAGE: This volume of the Transactions of the Marine Hydrophysical Institute AS USSR contains articles on problems in hydrometeorology and hydrochemistry. Individual articles deal with the heat balance of the Arctic atmosphere, an experimental study of the types of atmospheric circulation, and the occurrence in sea water of such substances as sulphur, organic phosphorus, and arsenic. No personalities are mentioned. References follow individual articles.

Card 1/3

SOV/5542

Hydrometeorology, Hydrochemistry

TABLE OF CONTENTS:

Card 2/3

POTAPOV, N.S. (Yalta)

North wind on the southern shore of the Crimea. Priroda 50 no.1: 81-82 Ja '61. (MIRA 14:1)
(Crimea—Winds)

LAKHANIN, Vladimir Vladimirovich, prof., doktor tekhn.nauk; IKONNIKOV, S.A., dotsent, kand.tekhn.nauk, retsenzent; POTAPOV, N.S., inzh., retsenzent; KOMOGORTSEV, P.Ya., red.; SHLENNIKOVA, Z.V., red. izd-va; YERMAKOVA, T.T., tekhn.red.

[Marine steam engines] Sudovye parovye mashiny. Moskva, Izd-vo "Rechnoi transport," 1960. 342 p. (MIRA 13:10)
(Marine engines)

//

POTAPOVA, Ye.I.; POTAPOV, N.S.

Circulation characteristics over the southern extremity of the Crimea. Trudy MGI 16:29-43 '59. (MIRA 13:5)
(Crimea--Winds)

MARINSKIY, F.I., kandidat tekhnicheskikh nauk; POTAPOV, N.V., inzhenor; TRIFONOV, A.A.

Equipment used in making reinforced concrete tubings. Stroi. i dor. mashinostr. 2 no.5:18-21 My '57. (MLRA 10:8)
(Concrete, Reinforced) (Leningrad--Tunneling)

POLAPOV, O.A.

Agricultural-meteorology station helping agriculture. Meteor. i gidrol. no.2:43-44 F '56. (MIRA 11:3)

1. Direktor Tosnenskoy mashinno-traktornoy stantsii.
(Meteorology, Agricultural)
(Tosno--Machine-tractor stations)

POTAPOV, O. A.

AUTHOR: Potapov, O. A., Director of the Tosno Machine and Tractor Station 50-2-13/22

TITLE: Agrometeorological Station Supports Agriculture (Agrometeorologicheskaya stantsiya okazyvayet pomoshch' sel'skomu khozyaystvu).

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 2, pp. 43-44 (USSR)

ABSTRACT: In 1956 an agrometeorological station was established in the MTS on the initiative of the machine-tractor-station (MTS) Tosno (region of Leningrad).
The regularly obtained data on the meteorological conditions with reference to local microclimatic peculiarities help the agronomist to take in time measures for the combating of spring frosts and other negative weather phenomena.
The agrometeorological station supplies the Kolchoses data on the state of the winter seed, the growth of the spring cultures, etc. The observation data help the MTS to solve some problems connected with the improvement of the soil.

The above mentioned examples do not exhaust the extensive activity of the agrometeorological station in the service

Card 1/2

Agrometeorological Station Supports Agriculture 50-2-13/22

to Kolchoses of the MTS-zone, they confirm, however, the great help which is rendered by this station to agriculture.

ASSOCIATION: Tosno Machine and Tractor Station

AVAILABLE: Library of Congress

Card 2/2

ACC NR: AT7004127 SOURCE CODE: UR/3152/66/000/013/0013/0024

AUTHOR: Potapov, O. A.

ORG: None

TITLE: Utilization of composite head waves in studying deposition depths of Mesozoic horizons and the Paleozoic basement on the southern slope of Karpinskiy Bar

SOURCE: Razvedochnaya geofizika, no. 13, 1966, 13-24

TOPIC TAGS: geology, geologic survey, geologic exploration, hodograph, wave mechanics

ABSTRACT: Field materials and results of operations are presented which indicate that where strata with increased velocity are present in the cross-section, composite head waves can be recorded and rather accurately interpreted. In the particular region of investigations used in this work, they were connected primarily with the longitudinal wave refracted at the top of the Paleozoic basement; when this wave arrives at the surface of observations, it is combined on the intermediate boundaries. The Paleozoic basement in the region of operations lies between 1500 and 1800 m below the surface. It is covered with a sedimentary mass of sandstone-clay, terrigenous deposits to the Quaternary inclusive. The cross-section has three boundaries at which velocity changes occur: the tops of the upper Cretaceous, Jurassic and Paleozoic basement. Composite waves were recorded on longitudinal profiles from

Card 1/2

ACC NR: AT7004127

1.2 to 7 km. Observation point-explosion point distances varied between 10 and 18 km. Vertical and horizontal components were recorded simultaneously. Recording quality varied, due to the presence of considerable background noise. Subsequent hodographs were used for correlation of the composite waves. The primary correlating characteristics were: order of arrival and location of wave on recording, apparent velocity, Δt, intensity features of wave and recording form. This work showed the possibility of recording composite head waves in this area connected with the exchange of the longitudinal wave corresponding to the top of the Paleozoic basement as it travels to the observation surface. Orig. art. has: 5 figures.

SUB CODE: 08/SUBM DATE: None/ORIG REF: 008

Card 2/2

POTAPOV, O. A.,

"Study of the Effect of Agricultural Melioration upon the Average Annual Runoff of Large Rivers (Basins of the Don, Oka, Volga, and Dnepr Rivers)." (Dissertation for Degree of Candidate of Technical Sciences) All-Union Sci Res Inst of Hydraulic Engineering and ~~Melioration~~ Soil Improvement, Moscow, 1955

SO: M-1036 28 Mar 56

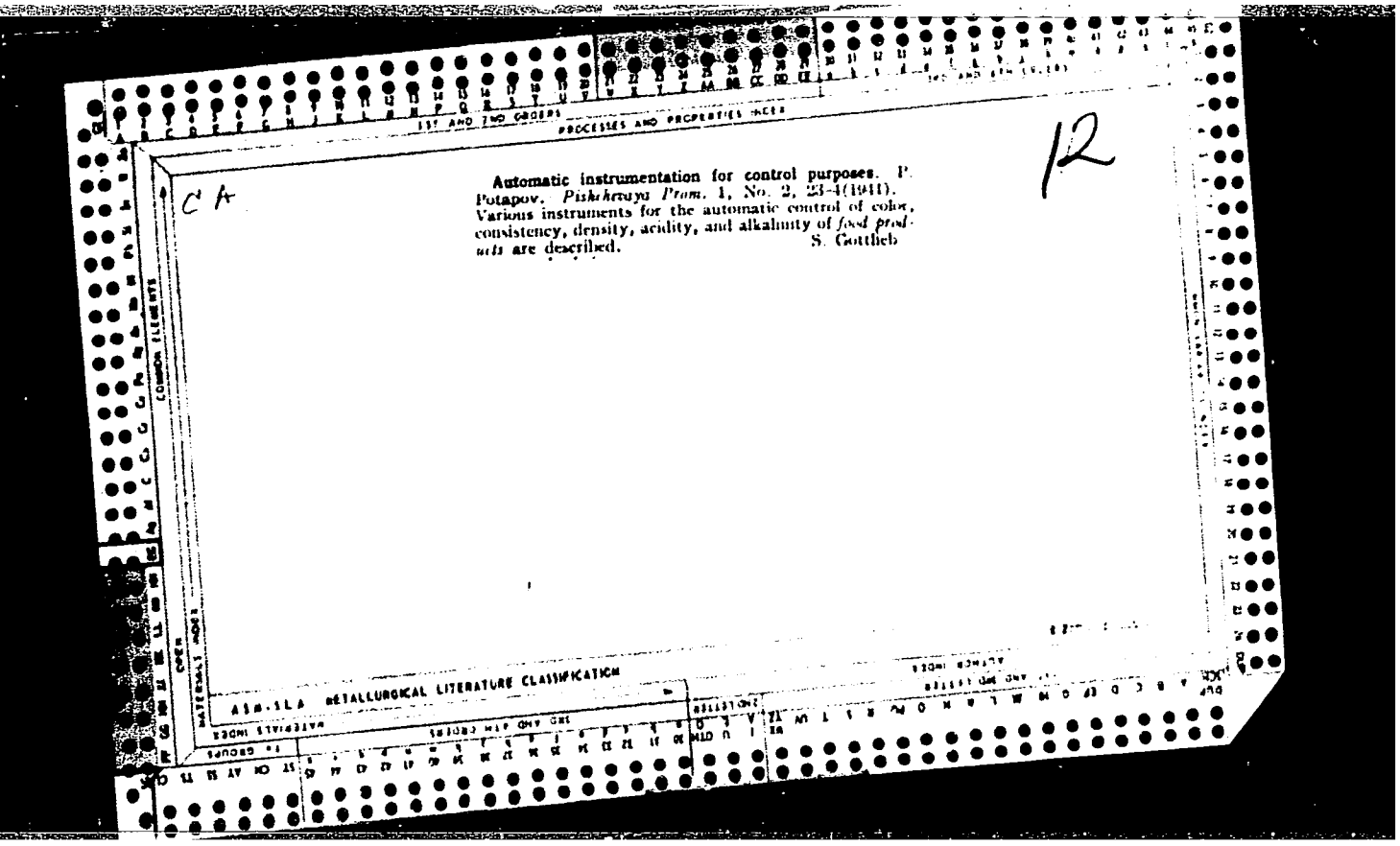
POTAPOV, O. A.

O. A. Potapov, Dokuchayev i gidrologiya [Dokuchayev and Hydrology], Gidrometeoizdat, 3 sheets

In popular style this brochure gives the basic content of Dokuchayev's studies on soil science, natural zones, geomorphology, the transformation of nature, which are important for hydrology in view of the magnificent tasks of the Stalin plan for the transformation of nature inthe USSR and the great constructions of communism on the Volga and Dnepr.

It is intended for engineering-technical personnel, workers of the system of runoff stations, agrosilvteorological stations, meliorati n workers, agronomists, pupils and others.

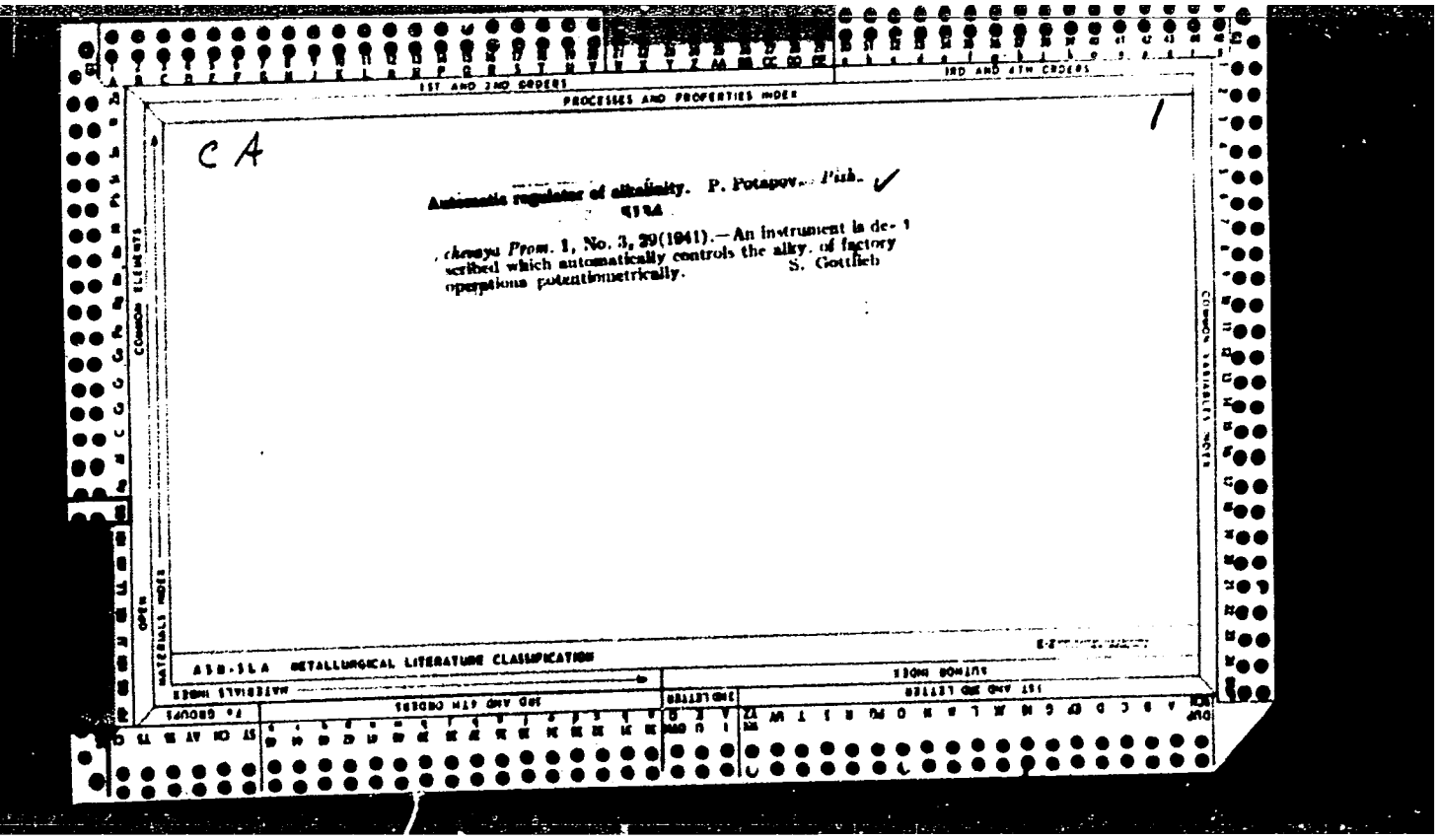
SO: U-6472, 12 Nov 1954

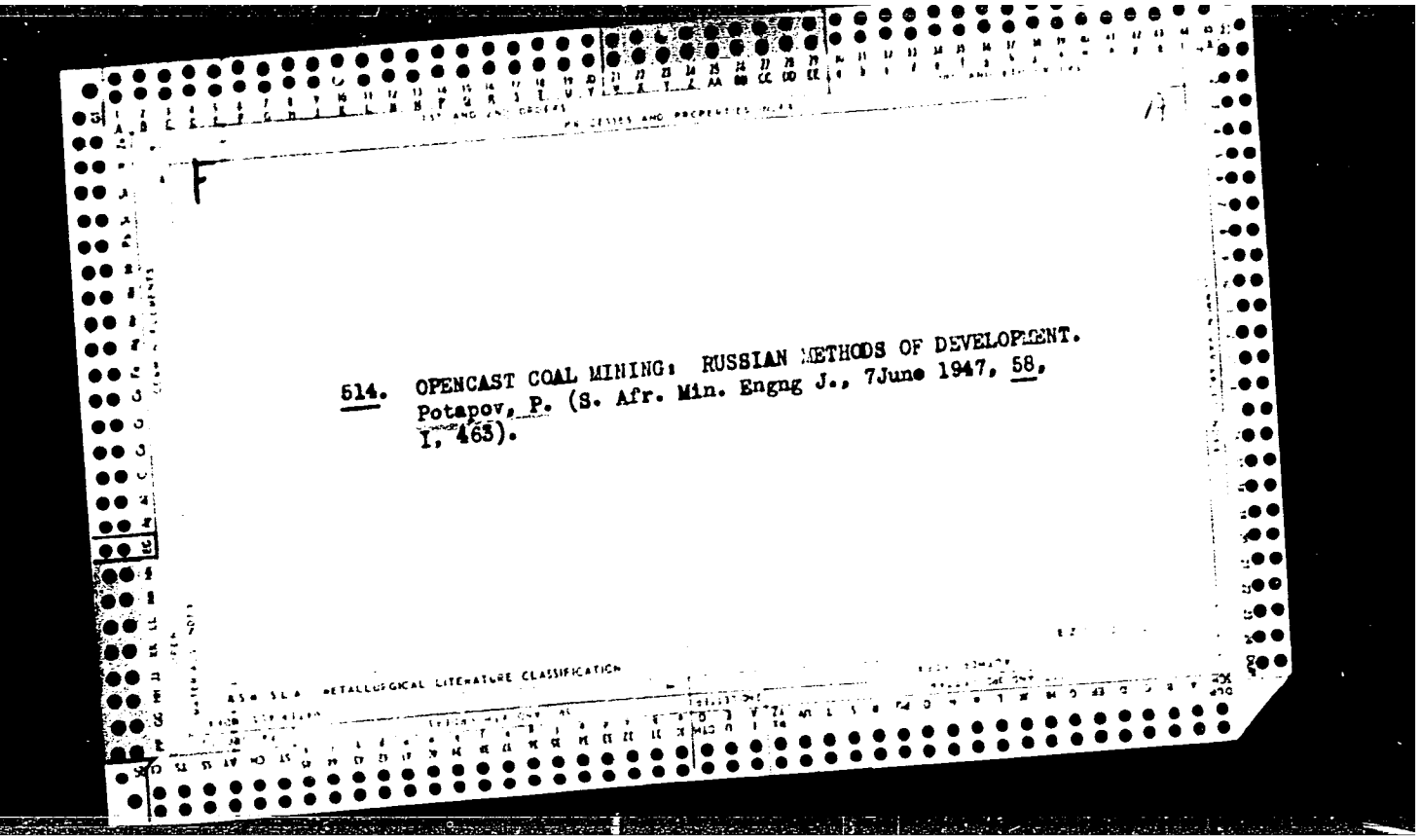


CA

12

Automatic instrumentation for control purposes. P. Potapov. *Pishchevaya Prom.* 1, No. 2, 23-4(1941). Various instruments for the automatic control of color, consistency, density, acidity, and alkalinity of *food products* are described. S. Gottlieb





514. OPENCAST COAL MINING: RUSSIAN METHODS OF DEVELOPMENT. Potapov, P. (S. Afr. Min. Engng J., 7June 1947, 58, I, 465).

POTAPOV, Petr.

POTAPOV, Petr. Sibirskaia nov'. Moskva, Ugletekhizdat, /Ministerstva ugol'noi promyshl. vostochnykh raionov SSSR/, 1948. 86 p.

DLC: TN808.R9P6

So: LC, Soviet Geography, Part II, 1951/Unclassified.

POTAPOV, P.

A book about the work heroism of miners ("In a mine in the Moscow Basin." M.Shur. Reviewed by P.Potapov). Sov.profsoiuzy 3 no.2:83-85 F '55. (MLRA 8:4)

(Moscow Basin--Coal miners)

POTAPOV, P.

Siberian coal mine. Vympel 11 no.16:14-15 Ag '48. (MIRA 12:3)

(Prokop'yevsk --Coal mines and mining)

NEDRIGAYLOV, V., inzh.; GIMEYN, S.; LISITSYN, V.; LEBEDEV, Yu.; POGONIN, A.; POTAPOV, P.

Technical information. Okhr. truda i sots. strakh. 6 no.7:41-46 Jl '63. (MIRA 16:10)

1. Starshiy inzh. laboratorii tekhniki bezopasnosti Gosudarstvennogo vsesoyuznogo nauchno-issledovatel'skogo tekhnologicheskogo instituta remonta i ekspluatatsii mashinno-traktornogo parka (for Gimeyn). 2. Tekhnicheskiy inspektor Yaroslavskogo soveta professional'nykh soyuzov (for Potapov).

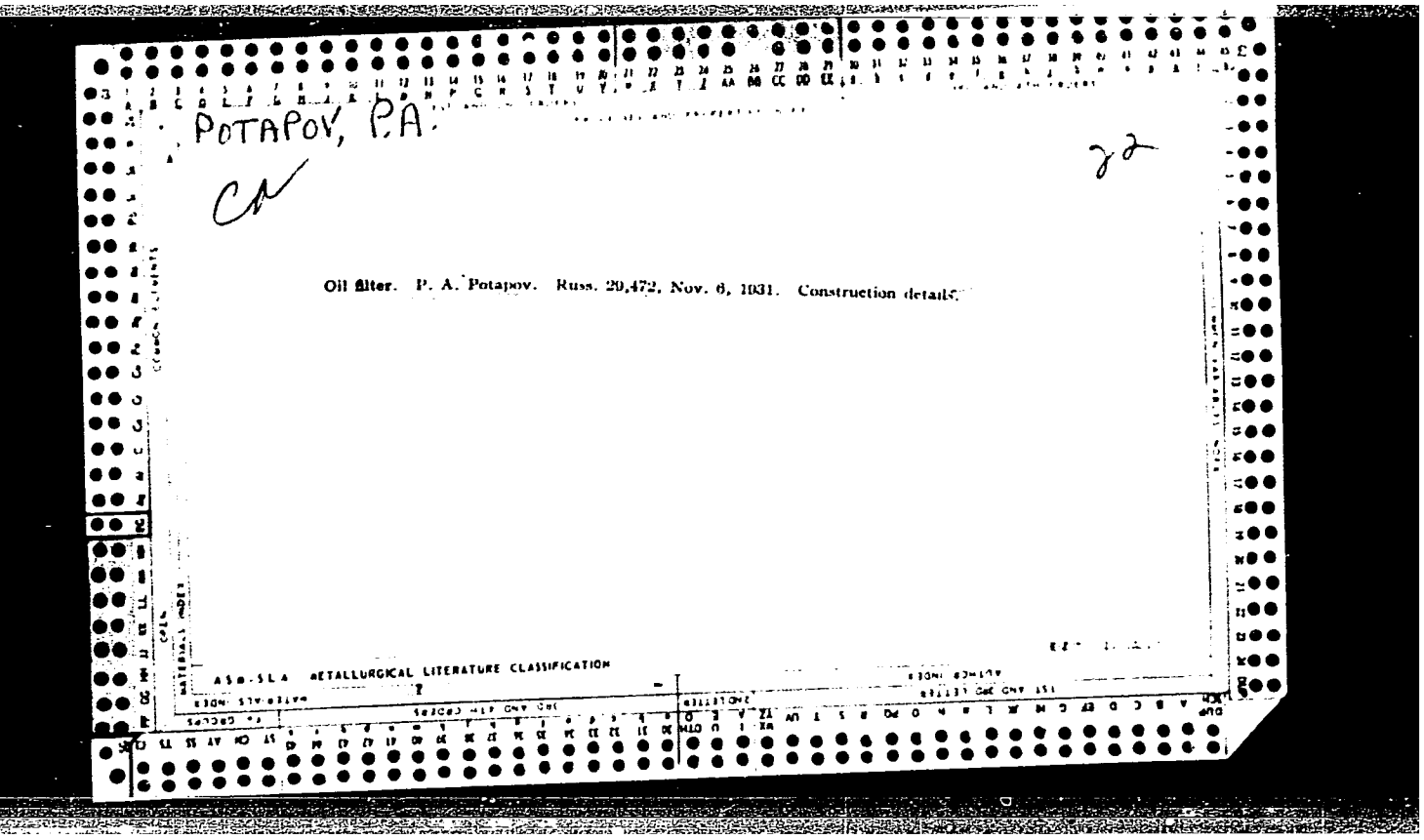
POTAPOV, P. (g.Tyumen')

Change in the appearance of the city of Tyumen. Zhil.-kom.khoz. 10 no.3:6-7 '60. (MIRA 13:7)

1. Predsedatel' Tyumenskogo gorispolkoma.
(Tyumen--Municipal services)

POTAPOV, P.A.

Arrangement of wire-rope fitting on the BKSM-14 crane in order to increase the rope's length of service. Rats. i izobr. predl. v stroi. no.2:53-54 '57. (MIRA 11:1)
(Cranes, derricks, etc.)



POTAPOV, P.A.

CN

22

Oil filter. P. A. Potapov. Russ. 20,472, Nov. 6, 1931. Construction details.

A58-51A METALLURGICAL LITERATURE CLASSIFICATION

FILATOV, F.I.; KOLPASHNIKOV, A.I.; Prinimali uchastiye: POTAPOV, P.I.; YERMILOV, A.M.; TOLMACHEV, B.Ya.; KHARITONOV, A.Ya.

Determination of residual stresses in the brake drums of airplane wheels. Zav.lab. 28 no.2:223-224 '62. (MIRA 15:3)
(Airplane--Brakes) (Strains and stresses)

ACC NR: AT6024928 (A,N) SOURCE CODE: UR/2981/66/000/004/0187/0191

AUTHOR: Loktionova, N. A.; Ovchinnikov, Yu. F.; Nikonorov, Ye. A.; Zamolodchikova, V. N.; Lapina, L. V.; Perevozchikov, A. V.; Polapov, P.I.

ORG: none

TITLE: Residual stresses in weld joints of aluminum alloys

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat resistant and high-strength alloys), 187-191

TOPIC TAGS: tensile stress, compressive stress, aluminum alloy property, weld evaluation

ABSTRACT: The residual stresses in various parts of a welded structure of ATsM alloy were determined by a mechanical method, and the influence of the artificial aging and tempering of the weld joints on the magnitude of these stresses was investigated. It was found that longitudinal residual stresses up to 10-11 kg/mm^2 and compressive residual stresses up to 11-12 kg/mm^2 in the transverse direction arise in the zone of the weld joints. Artificial aging of the weld joints of ATsM alloy for 100 hr at 90° does not change the magnitude and character of the residual stresses in the heat-affected zone as compared to the residual stresses in the naturally aged state. Tempering of the zone of the weld joint by induction heating to 240-250°C for 4-5 min followed by cooling of the heat-affected zone with water increases the magnitude of the

Card 1/2

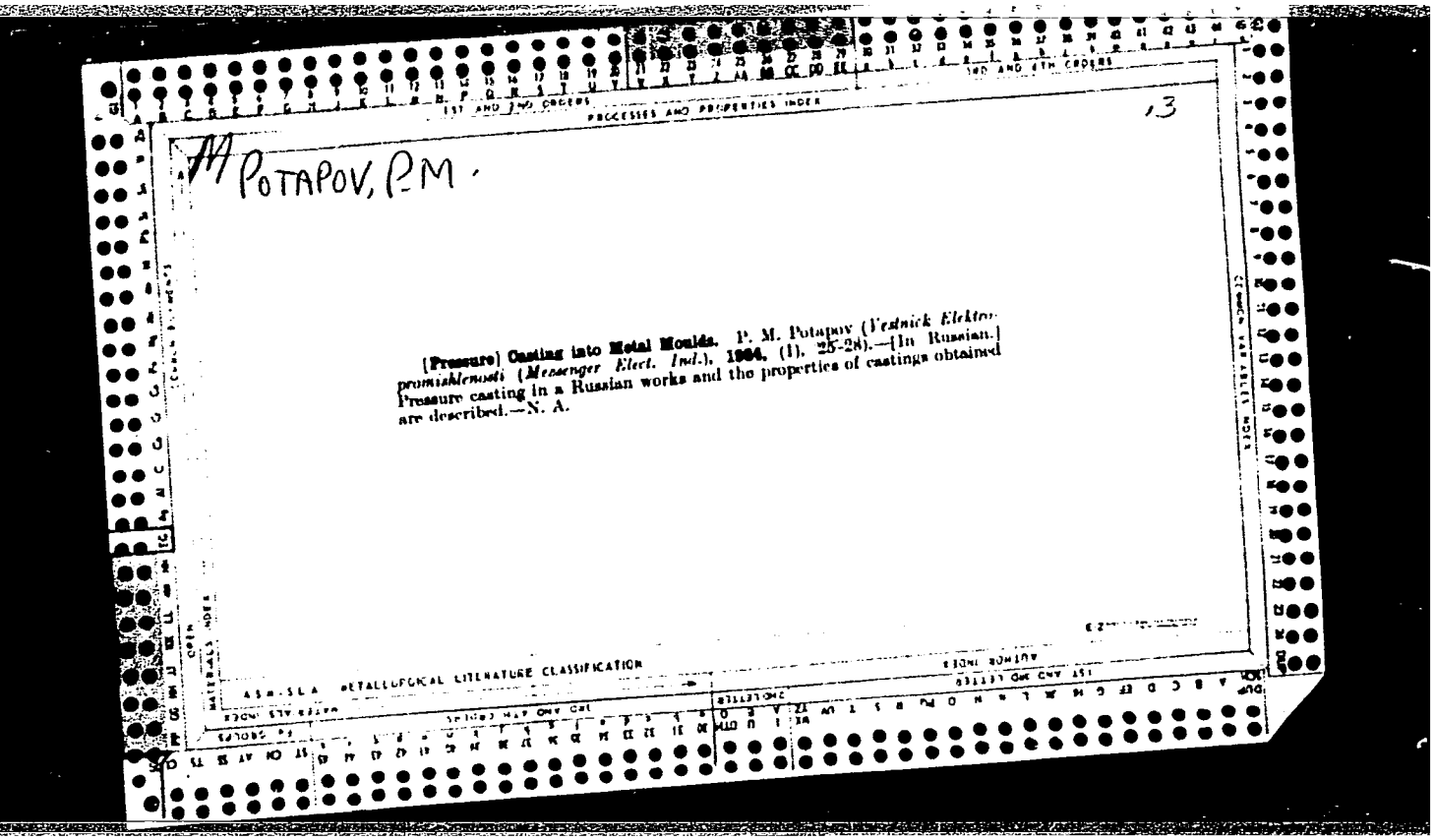
L 46965-66

ACC NR: AT6024928

longitudinal tensile residual stresses by 1.5-2 kg/mm^2, without changing the sign. At the same time, the transverse residual stresses change into compressive ones and reach 4 kg/mm^2. Orig. art. has: 2 formulas.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 003

Card 2/2 mt



PROCESSES AND PROPERTIES INDEX

13

POTAPOV, P.M.

[Pressure] Casting into Metal Moulds. P. M. Potapov (*Vestnick Elektropromishlennosti* (*Messenger Elect. Ind.*), 1954, (1), 25-28).—[In Russian.] Pressure casting in a Russian works and the properties of castings obtained are described.—N. A.

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

ABDUL'MANOV, Gata Fattakhovich; POTAPOV, P.M., red.; VLADIMIRTSEV, V.P., red.

[Natural and casinghead gases and their utilization] Prirodnye, poputnye neftianye gazy i ikh primenenie. Kazan', Tatarskoe knizhnoe izd-vo, 1961. 73 p. (MIRA 18:9)

POTAPOV, P.R., inzh.

Analysis of the work of classification yards and ways to increase their capacity. Trudy NIIZHT no.33:193-203 '63. (MIRA 17:3)

ZHURAVEL', A. I., kand. ekonom. nauk; BONDARENKO, V. O., inzh.;
POTAPOV, P. R.

Labor productivity and costs of operation of classification yards. Zhel. dor. transp. 45 no.1:20-24 Ja '63. (MIRA 16:4)

1. Glavnyy inzh. stantsii Inskaya (for Potapov).

(Railroads—Management)

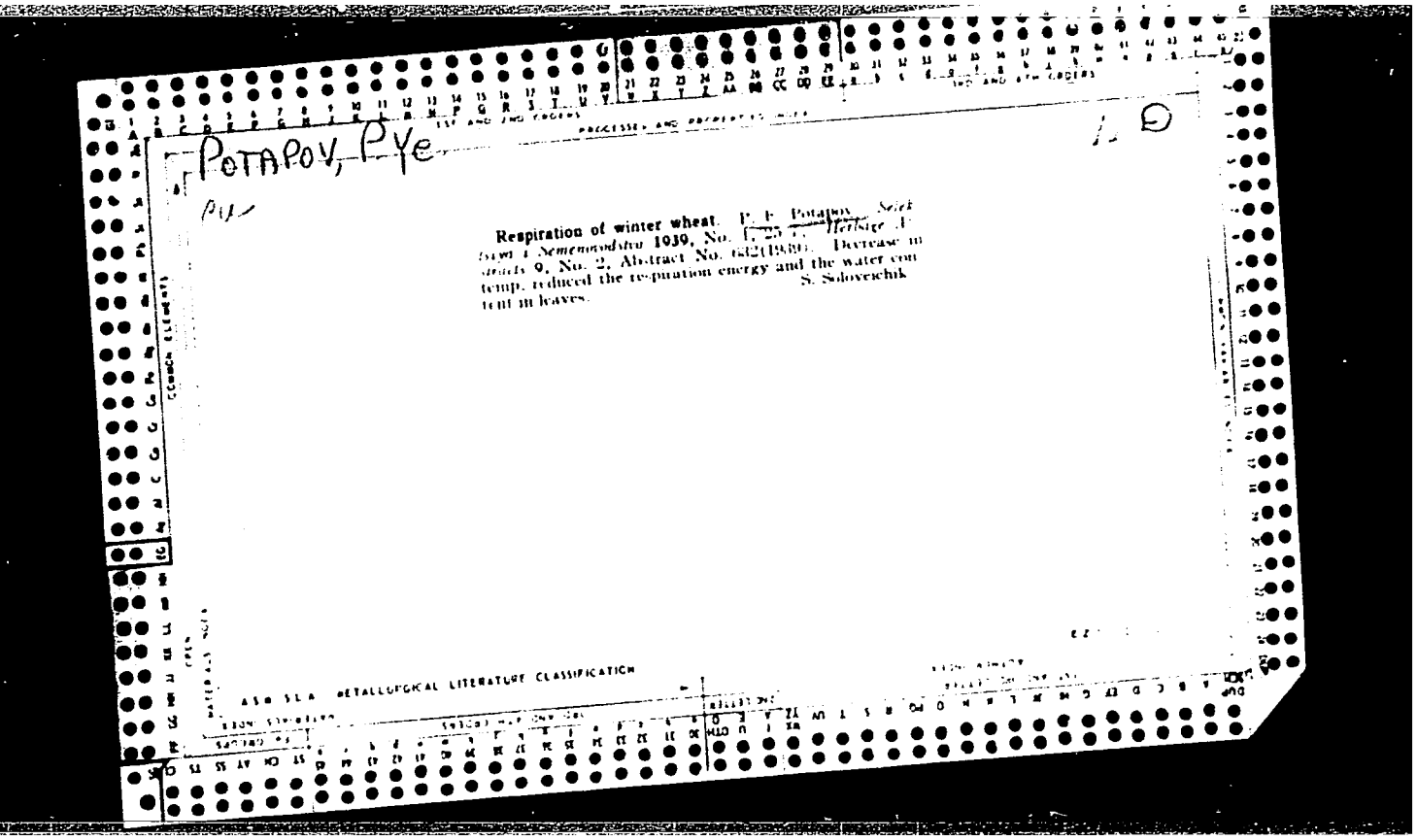
MOSKALEV, P.I., inzh. (Novosibirsk); POTAPOV, P.R., inzh. (Novosibirsk)

Information and accounting center of a classification yard.
Zhel. dor. transp. 46 no.1:68-70 Ja '64. (MIRA 17:8)

BELOV, N.S.; BIRYUKOV, I.V.; VERBLYUDOV, N.N.; GORBUNOVA, M.N.; YESIPOVA, M.M.; IL'ICHEV, A.I.; IGNAT'YEVA, N.Ya.; KOVACHEVICH, P.M.; LYTKIN, A.M.; LOSKUTOV, V.G.; MAZYUKOV, A.S.; MIROSHNICHENKO, N.Ya.; NEFEDOV, A.Ya.; OSIPOV, K.V.; OSIPOV, P.M.; PETROV, N.G.; PETRACHKOV, M.I.; PINEVICH, K.M.; POPOV, B.E.; POTAPOV, P.V.; PREDEIN, F.Ye.; PUKHOV, A.F.; CHUSOVITINA, Ye.I.; ANGEL'SKIY, N., tekhn.red.

[The Kuznetsk Basin in the sixth five-year plan] Kuzbass v shestoi piatiletke. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1956. 125 p. (MIRA 10:12)

(Kuznetsk Basin)



SAVEL'YEV, S.I., POTAPOV, P. Ye

Volga Valley - Wheat

Sowing winter wheat on stubble in the Lower Volga Valley. Sov. agron. 10, No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952, Uncl.

ACC NR: AP6035255 SOURCE CODE: 0025/66/000/009/0062/0067

AUTHOR: Potapov, R.

ORG: none

TITLE: Orientation and navigation ability of birds

SOURCE: Nauka i zhizn', no. 9, 1966, 62-67

TOPIC TAGS: biology, radar navigation, celestial navigation, biocurrent, biologic research facility, bird

ABSTRACT: The orientation and navigation abilities of birds and the latest developments in the study of these abilities are discussed. These abilities involve all the organs of birds, are hereditary, instinctive, and not conscious. Numerous homing and orientation tests have been made which proved the ability of birds to orient themselves by the sun and stars. Many other factors noted indicate that birds are also equipped with some means of orientation unknown to us. It has been found that they are sensitive to the Earth's magnetic field and to the Coriolis force and that an "orientation organ" may likewise be located in their skin. Research has revealed

Card 1/2

ACC NR: AP6035255

a difference in the features of biocurrents in the cerebellum of domestic and migratory birds. The inner clock mechanism inside birds undoubtedly help them to select their migratory route, although this mechanism does not keep time with man-made time pieces. The principle of orientation is clear, but not all its details, which may require combined research in zoology, physiology genetics, biophysics, and physics. Numerous details of the structure of the eye and ear of birds can help to improve various instruments, including navigation instruments. The navigation abilities of birds have been found to be far less accurate than the ones developed by man with the simplest instruments. Orig. art. has: 3 figures. [GC]

SUB CODE: 06, 17, 20/

Card 2/2

POTAPOV, R.L.

Streaked scrub warbler (Scotocerca inquieta platyura Sev.) in Tajikistan. Trudy Inst. zool. i paraz. AN Tadzh. SSR 22:41-48 '62. (MIRA 15:11)
(Tajikistan--Warblers)

POTAPOV, R.L.

Pamir ornithofauna. Dokl. AN Tadzh.SSR no.15:57-62 '56. (MLRA 9:10)

1. Leningradskiy gosudarstvennyy universitet.
(Pamirs--Birds)

POTAPOV, R.L.

New ornithological finds in Tajikistan. Dokl. AN Tadzh. SSR no. 22:39-41 '57. (MIRA 11:7)

1. Institut zoologii i parazitologii im. akademika Ye. N. Pavlovskogo AN Tadzhikskoy SSR.
(Tajikistan--Birds)

POTAPOV, R.L.

Migration of birds through the Pamirs in the autumn of 1956.
Trudy AN Tadzh.SSR 89:195-208 '58. (MIRA 13:5)

1. Institut zoologii i parazitologii AN Tadzhikskoy SSR.
(Pamirs--Birds--Migration)

POTAPOV, R.L.

New data on birds which winter in Tajikistan. Dokl. AN Tadzh. SSR 1 no.3:41-44 '58 (MIRA 13:3)

1. Institut zoologii i parazitologii AN Tadzhikskoy SSR Predstavleno chlenom-korrespondentom AN Tadzhikskoy SSR M. N. Narzikulovym.
(Tajikistan--Birds)

POTAPOV, R.L.

Wintering of cormorants in southern Tajikistan and their economic significance. Dokl.An Tadzh. SSR 2 no. 5:49-52 '59. (MIRA 13:12)

1. Institut zoologii i parazitologii AN Tadzhikskoy SSR. Predstavleno chlenom-korrespondentom AN Tadzhikskoy SSR. M.N. Narzikulovym.

(Tajikistan--Cormorants)

ACC NR: AP6036765 (N) SOURCE CODE: UR/0020/66/171/001/0226/0228

AUTHOR: Potapov, R. L.

ORG: Biology Station, Zoological Institute, Academy of Sciences SSSR, Rybach'ye, Kaliningrad District (Biologicheskaya stantsiya, Zoologicheskogo instituta, Akademii nauk SSSR)

TITLE: The navigational ability of certain passerine birds

SOURCE: AN SSSR. Doklady, v. 171, no. 1, 1966, 226-228

TOPIC TAGS: zoology, bionics, experiment animal

ABSTRACT: A number of experiments were conducted according to Sauer's method to determine the navigational ability of certain Passeriformes. One experiment was designed to establish whether the difference between local time and the inherent time awareness of birds helps them to determine longitudes. Groups of birds were artificially conditioned to various time zones and then released for the fall migration. Tabulated results of the flight direction of test and control birds failed to provide proof of their astronavigational ability. Results did support G. V. T. Matthews' recent theory of the independence of stellar orientation and the inherent time awareness. V. R. Dol'nik and R. L. Potapov of the Biological Station of the Zoological Institute, Academy of Sciences SSSR, and M. Ye. Shumakov of Leningrad

UDC: 591.185.2+598.8

Card 1/2

ACC NR: AP6036765

University conducted some of the experiments. This paper was presented by Academician B. Ye. Bykhovskiy on 12 April 1966. Orig. art. has: 1 table.

SUB CODE: 06/ SUBM DATE: 26Mar66/ ORIG REF: 001/ OTH REF: 005

Card 2/2

SILOROV, L.F.; POTAPOV, R.L.

History of the forests of the Pamirs and contiguous areas in the Upper Quaternary. Bot. zhur. 50 no.6:765-774 Je '65. (MIRA 18:7)

1. Leningradskiy gosudarstvennyy pedagogicheskiy institut imeni Gertsena i Zoologicheskiy institut AN SSSR, Leningrad.

POTAPOV, R.L.

Biology of the rosy finch Leucosticte arctoa pamirensis Sev. in the Pamirs. Zool. zhur. 42 no.5:716-726 '63. (MIRA 16:7)

1. Zoological Institute of the Academy of Sciences of the U.S.S.R., Leningrad.

(Pamirs--Finches)

POTAPOV, R.L.

Nidification of the kestrel (Falco tinnunculus tinnunculus L.) in the Pamirs. Zool.zhur. 41 no.8:1265-1266 Ag '62. (MIRA 15:9)

1. Zoological Institute, Academy of Sciences, U.S.S.R., Leningrad.
(Pamirs--Falcons)

POTAPOV, R.L.

Summer ornithofauna of the Tigrovaya Balka Preserve. Trudy AN Tadzh.SSR 115:179-201 '59. (MIRA 15:5)

1. Institut zoologii i parazitologii AN Tadzhikskoy SSR.
(Tigrovaya Balka Preserve--Birds)

POTAPOV, Roal'd Leonidovich, zoolog; KOZLOV, I.V., red.; KONOVALYUK, I.K., mladshiy red.; KOSHELEVA, S.M., tekhn. red.

[In the Tigrovaya Balka Preserve; notes of a zoologist] V Tigrovoi balke; zapiski zoologa. Moskva, Geografgiz, 1962. 102 p.
(MIRA 15:6)

(Tigrovaya Balka Preserve)

POTAPOV, S., kand. sel'skokhoz. nauk (Kolomna, Moskovskoy oblasti); ROSHCHUPKINA, S., agronom (Kolomna, Moskovskoy oblasti)

It is most important to have resistant varieties. Zashch. rast. ot vred. i bol. 10 no.2:34-35 '65. (MIRA 18:4)

GRINENKO, A., agronom; ROSHCHUPKINA, S., agronom; POTAPOV, S., kand. sel'-skokhoz. nauk

Resistance of gooseberries to powdery mildew. Zashch. rast. ot vred. i bol. 10 no.7:37 '65. (MIRA 18:10)

1. Kolomenskiy gosudarstvennyy sortoispytatel'nyy uchastok, plodovo-yagodnykh rasteniy, Moskovskaya oblast'.

POTAPOV, S.

25479 POTA V, S., XI S'yezd Profsoyuzov i Nashi zadachi. (Sakut. AS R). Po Leninskomu Puti, 194 , No. 6 ,S -1

SO: Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

POTAPOV, S.

25479. Kh S' Yezd Profsoyuzov I Nashi Zadachi. (Yakut. Assr). Po Leninskomu Puti, 1949, no. 6, s. 8-16

SO: Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

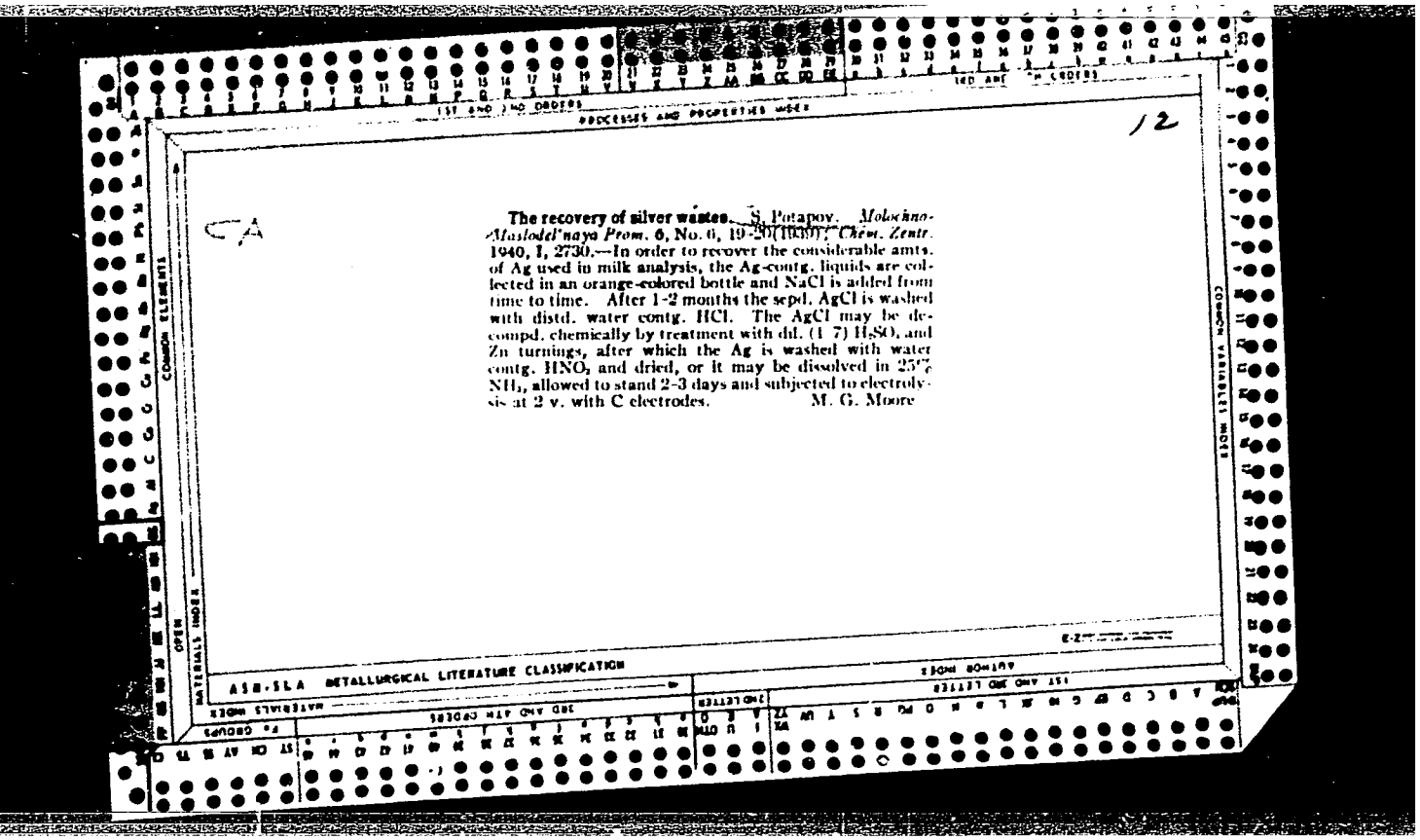
38266 POTAPOV, S.

O zagotovkakh produktov zhivotnovodstva. Zagotovki s.-kh. produktov, 1949, No 2, s. 9-14

POTAPOV, S.

"Sovetskaya Yakutia," by G. Kolesov and S. Potapov, Moscow, 1937

II



CA

12

The recovery of silver wastes. S. Potapov. *Molochno-Maslodel'naya Prom.* 6, No. 6, 19-20(1939); *Chem. Zentr.* 1940, I, 2730.—In order to recover the considerable amts. of Ag used in milk analysis, the Ag-contg. liquids are collected in an orange-colored bottle and NaCl is added from time to time. After 1-2 months the sepd. AgCl is washed with distd. water contg. HCl. The AgCl may be decompd. chemically by treatment with dil. (1:7) H_2SO_4 and Zn turnings, after which the Ag is washed with water contg. HNO_3 and dried, or it may be dissolved in 25% NH_4, allowed to stand 2-3 days and subjected to electrolysis at 2 v. with C electrodes. M. G. Moore

POTAPOV, S.A., zamestitel' zaveduyushchego; TRET'YAKOV, V.D., nachal'nik sektora ekspluatatsii zdaniy.

Some problems of planning, constructing and using hospital buildings. Gor. khoz.Mosk. 27 no.11:3-4 N '53. (MLRA 6:11)

1. Mosgorzdravotdel. (Moscow--Hospitals)

BEREZIN, V.I.; POTAPOV, S.K.

Calculation and interpretation of the vibrational spectrum of pyrimidine. Opt. i spektr. 18 no.1:45-48 Ja '65.
(MIRA 18:4)

POTAPOV, Sergey Mikhaylovich

POTAPOV, Sergai Mikhailovich -Printsipy kriminalisticheskoi identifikatsii (Principles of Criminal Identification) in: Sovetskoye Gosudarstvo i Pravo, Nr. 1, 1940.

N15
927.640
.U5

LC

USSR / Cultivated Plants. Fruits, Berries, Nutbearing, Teas. M-6

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6446

Author : Potapov, S.
Inst : Not given
Title : New Gooseberry Varieties

Orig Pub : Mosk. kolkhoznik, 1958, No 5, 41

Abstract : The best gooseberry varieties (Smena, Izumrudnyy, Pyatiletka), which were tested successfully in the Kolomenskiy variety sector of fruit-berry (Moskovskaya Oblast') crops, are recommended.

Card 1/1

POTAPOV, Sergei Mikhailovich

POTAPOV, Sergai Mikhailovich - Sudebnaya fotografiya (Legal Photography) 1948.

MH5
927.640
.U5

LC

POTAPOV, S.P.

21(5,8) PHASE I BOOK EXPLOITATION SOV/3370

U.S.S.R. Glavnoye upravleniye po ispol'zovaniyu atomnoy energii. Upravleniye po proizvodstvu i ispol'zovaniyu izotopov

Izotopy, istochniki izlucheniya i radioaktivnyye materialy; katalog (Isotopes, Sources of Radiation and Radioactive Materials; Catalog) Moscow, Atomizdat, 1959. 269 p. Errata slip inserted. 15,500 copies printed.

Compilers: V. N. Grablevskiy, Ye. Ye. Kulish, N. A. Matyushina, G. L. Popova, S. P. Potapov, P. S. Savitskiy, V. N. Terekhova, and G. M. Fradkin; Ed.: V. I. Labaznov; Tech. Ed.: N. A. Vlasova; Editorial Board: P. S. Savitskiy, (Resp. Ed.), Ye. Ye. Kulish, and G. M. Fradkin.

PURPOSE: This is a catalog for physicists and technicians in enterprises utilizing radioactive isotopes, their compounds, and radioactive sources and equipment.

COVERAGE: The catalog contains information on radioactive and

Card 1/22

stable isotopes (e.g., half-life periods, preparation reactions, effective activation cross-sections (barns), types of emission, radiation energy (Mev), maximum range of particles (g/cm^2), etc.). It also provides technical data on radiation sources, research techniques for radioactive isotopes, technical standards accepted by the "Soyuzreaktiv" Trust for irradiating sample materials and parts, abbreviations and terminology, packaging and shipping specifications for isotope raw materials and equipment, ordering procedure and forms, etc. No personalities are mentioned. There are 161 references: 60 Soviet, 85 English and 16 German.

TABLE OF CONTENTS:

PART I. RADIOACTIVE COMPOUNDS

Isotopes (Cont.) SOV/3370

Card 4/22

Isotopes (Cont.) SOV/3370

Holmium^{166}	38
Dysprosium^{165}	39
Europium^{152}	40
Europium^{155}	41
Iron^{55}	42
Iron^{55} (/ Iron ^{59})	43
Iron^{59}	45
Gold^{198}	46
Gold^{199}	47
Indium^{144M} (/ Indium^{114})	48

Card 5/22

Isotopes (Cont.) SOV/3370

Card 6/22

Isotopes (Cont.) SOV/337

Card 7/22

Isotopes (Cont.) SOV/3370

Card 8/22

Isotopes (Cont.) SOV/3370

Card 9/22

Rhenium^{186}	93
Rhenium^{188}	94
Rhodium^{105}	95
Mercury^{197M} (→ Mercury^{197})	96
Mercury^{203}	97
Rubidium^{86}	98
Ruthenium^{103} (Rhodium^{103M})	99
Ruthenium^{105} (Rhodium^{105})	100
Ruthenium^{106} (Rhodium^{106})	101

Isotopes (Cont.) SOV/3370

Card 12/22

Isotopes (Cont.) SOV/3370

Card 14/22

Isotopes (Cont.) SOV/3370

Card 17/22

SOV/3370

Card 18/22

Isotopes (Cont.) SOV/3370

Card 19/22

21.3200,24.6720

77256
SOV/69-8-2-21/30

AUTHOR: Potapov, S. P.

TITLE: Production and Uses of Stable Isotopes in the USSR. Science and Technology News

PERIODICAL: Atomnaya energiya, 1960, Vol 8, Nr 2, pp 160-164 (USSR)

ABSTRACT: Electromagnetic separation plants developed in the USSR are capable of producing enriched stable isotopes of the majority of elements in quantities from a few milligrams to a few kilograms. For larger quantities of particular isotopes, various physico-chemical methods have much greater productivity, and such plants were built for separation of isotopes of boron, carbon, nitrogen, oxygen, and some other elements. Growth in production and consumption is best seen from Table A.

Table A

Year	1955	'56	'57	'58
Number of isotopes supplied	55	136	170	222
Number of deliveries	130	230	250	350
Quantity of isotopes delivered, gm	2500	14000	20000	25000

Card 1/10

This table does not include production and consumption of hydrogen and uranium isotopes. A list and characteristics of enriched isotopes available in quantities of more than one gm is given in Table 1. More detailed data can be found in: Izotopy, istochniki izlucheniya i radioaktivnyye materialy (katalog), M., Atomizdat, 1959 (Isotopes, Radiation Sources and Radioactive Materials (catalogue) M., Atomizdat, 1959). Table 2 contains a list of stable isotope targets used in nuclear investigations. The author next discusses the usefulness of pure stable isotopes as tracers, as raw material for production of pure radioactive isotopes, and as necessary material for various physical and electronic devices like detectors of radiation, neutron counters, etc. Table 3 contains data about radioactive isotopes obtained from enriched raw materials. The author points out that although it is still too early, due to the relative complexity of the production of stable isotopes, to talk about their use as materials with modified isotope constitution in large industrial scale, their present-day level of production permits

Table 1. Stable isotopes available in quantities of more than 1 gm.

ISOTOPE	CONTENT IN THE NATURAL MIXTURE, %	METHOD OF PRODUCTION	CHEMICAL COMPOUND	CLASS * (SEE END OF TABLE)	CONTENT IN THE ENRICHED PRODUCT, %
B^{10}	18,83	FRACTIONATING	BF_3	IV	85
			H_3BO_3		75
			KBF_4		75
			$CsBF_4$		75
			B (AMORPHOUS)		75
			B (AMORPHOUS)	IV	99
B^{11}	81,17	"	N^{15}, H_4NO_3 AND 15 OTHER COMPOUNDS	III	10
N^{15}	0,38	CHEMICAL INTERCHANGE FRACTIONATING	H_2O AND OTHER COMPOUNDS	IV	up to 40
O^{18}	0,204		KCl	III	99,1
K^{39}	93,08		KCl	III	27,2—98,9
K^{41}	6,91		$CaCO_3$	III	49,8—52,4
Ca^{42}	0,64	ELECTROMAGNETIC	$CaCO_3$	III	88,9—93,4
Ca^{44}	2,06	" "	$CaCO_3$	I	4,8
Ca^{46}	0,0033	" "	$CaCO_3$	II	63,1
Ca^{48}	0,185	" "	Ti OR TiO_2	II—III	
TITANIUM ISOTOPES	—	" "			
V^{50}	0,24	" "	V_2O_5	I	16,2—28,5
Cr^{50}	4,31	" "	Cr_2O_3 OR $BaCrO_4$	III	87,7
Cr^{52}	83,76	" "	Cr $Cr_2O_3BaCrO_4$	IV	94,1—99,4
Cr^{53}	9,55	" "	Cr_2O_3 OR $BaCrO_4$	III	84,3—92,8
Cr^{54}	2,38	" "	Cr_2O_3 OR $BaCrO_4$	II	60—78
Fe^{54}	5,84	" "	Fe_2O_3	III	70,5—84,8

Card 3/10

77256, SOV/89-8-2-21/30

Fe^{58}	0,31	" "		Fe_2O_3	II	25,2—40,1
Ni^{58}	67,76	" "		NiO	IV	90,2—97,6
Ni^{60}	26,16	" "		NiO	III	92,6—97,4
Ni^{61}	1,25	" "		NiO	II	22,8
Ni^{62}	3,66	" "		Ni OR NiO	III	36,5
Ni^{64}	1,16	" "		NiO	II	83
Cu^{65}	30,9	" "		Cu	III	94—97,4
Cu^{63}	69,1	" "		Cu	III	89,2—96,4
Zn^{64}	48,89	" "		Zn OR ZnO	III	85—98
Zn^{66}	27,81	" "		ZnO	II	89,2—90,4
Zn^{67}	4,11	" "		ZnO	II	33,2—40
Zn^{68}	18,56	" "		ZnO	II	86—92,3
Zn^{70}	0,62	" "		ZnO	II	34,7—44,5
GERMANIUM ISOTOPES	—	" "		Ge OR GeO_2	II	—
Se^{74}	0,87	" "				
Se^{76}	9,02	" "		Se	III	26,2—40,9
Se^{80}	49,82	" "		Se	II	62—86,1
Se^{82}	9,19	" "		Se	III	92—94
RUBIDIUM ISOTOPES	—	" "		Se	II	59,2
Sr^{86}	9,86	" "		RbCl	II	—
Sr^{88}	82,56	" "				
Zr^{91}	11,23	" "		$SrCl_2$	I	78—86
Zr^{94}	17,40	" "		$SrCO_3$	II	98—99,8
Zr^{96}	2,80	" "		ZrO_2	II	61,6
MOLYBDENUM ISOTOPES	—	ELECTROMAGNETIC		ZrO_2	III	87,0—94,0
Ag^{107}	51,35	" "		ZrO_2	II	31,9
Ag^{109}	48,65	" "		Mo OR MoO_3	II	—
				Ag	I	98
				Ag	I	99

Card 4/10

Table 1. Stable isotopes available in quantities of more than 1 gm. (Cont'd.)

CADMIUM ISOTOPES	--	ELECTROMAGNETIC				
		»	»			
Cd^{111}	28,86	•	•	Cd OR CdO	II	--
Sn^{112}	0,95	•	•			
Sn^{113}	0,34	•	•	Cd OR CdO	III	88,5 –94,9
Sn^{114}	14,07	•	•		II	60,6 – 66,2
Sn^{117}	7,54	•	•	Sn	I	9,6 – 17,6
Sn^{118}	23,98	•	•	Sn	I	86 –98
Sn^{119}	8,62	•	•	Sn	I	49 – 85,6
Sn^{120}	33,03	•	•	Sn	III	70,8 –82,0
Sn^{122}	4,76	•	•	Sn	I	50,7 – 74,8
Sn^{124}	6,11	•	•	Sn	III	86,5
Te^{120}	0,089	•	•	Sn	II	73,9
Te^{128}	18,72	•	•	Sn	II	76,0
Te^{130}	34,46	•	•	Sn	II	5,9
W^{182}	26,4	•	•	TeO_2	III	76,3
W^{184}	30,6	•	•	TeO_2	IV	87,8 – 94,2
W^{186}	28,4	•	•	TeO_2	III	71,5 –78,9
Tl^{203}	29,50	•	•	W OR WO_3	II	79,4 – 80,4
Tl^{205}	70,50	•	•	W OR WO_3	II	90,0
Pb^{204}	1,48	•	•	W OR WO_3	III	76,8 – 90,2
Pb^{208}	52,3	•	•	Tl OR Tl_2CrO_4	III	94,3 – 95,6
				Tl OR Tl_2CrO_4	I	36,6
				Pb OR $PbSO_4$	III	63,6 – 75,4
				Pb OR $PbSO_4$		

* Class denotes maximum quantity of stable isotope that may be ordered: class I - up to 3 gm; class II - up to 30 gm; class III - up to 30 gm; class IV - up to 1 kg.

Table 2. Isotope targets. (Cont'd.)

Se	"	...	
Rb	"	...	
Sr	"	...	
Zr	THERMAL DISSOCIATION OF CHROMIUM IODIDE	1 - 10	....
Mo	THERMAL DISSOCIATION OF MOLYBDENUM CHLORIDE	...	
Ag	ELECTROPLATED	5 - 10	....
Cd		5 - 10	....
In	"	...	ELECTROPLATED
Sn	"	...	
RARE EARTH ELEMENTS	THERMAL DISSOCIATION OF TITANIUM IODIDE	...	
Tm			
Hf		...	
W	THERMAL DISSOCIATION OF TUNGSTEN CHLORIDE	...	
Tl	ELECTROPLATED	...	
Pb	"	...	ON METAL BASE

— ** Isotope targets of some elements, e.g., B, N, O, noble gases, may be produced by embedding them during electromagnetic separation of stable isotopes.

*** produced experimentally.

**** Target may be produced on metal base or as a free foil; used as target materials are molybdenum, tungsten, tantalum, and some other elements.

Card 7/10