

GARNUSZEWSKI,R.; TURCZYNOWSKI,R.

Tuberculosis in dogs in Szczecin. Gruzlica 31 no.6:727-730
Je'63.

1. Klinika Ftizjatryczna PAM, Szczecin.

*

GARNUSZEWSKI Z. Z.

CZEZOWSKA Z. and GARNUSZEWSKI Z. Z. Kliniki Chorob Zakaznych i z Kiniki Gruzlicy Pluc. Glodowy odczyn tuberkulinowy u swinek morskich zaszczeplonych B.C.G. The tuberculin test in starved guinea-pigs inoculated with BCG. Polski Tygodnik Lekarski, Warsaw 1949, 4/39 (1152-1156)

Guinea-pigs in a state of starvation or with chronic nutritional deficiency were inoculated with 10 mg. BCG and then observed. It was found that in the early period, hunger can accelerate the appearance of tuberculous allergy, caused by a BCG injection, so that the pre-allergic period may be shortened to two days. Acute starvation can increase the intensity of the tuberculin reaction, but only in animals not in a state of great exhaustion. In the latter, the reaction did not appear at all. The appearance of the early tuberculin reaction in starvation was not dependent upon the state of acidosis but seemed to be connected with the development of ketone bodies, especially with the development of aceto-acetic acid in the tissues. The reaction had a specific character, depending on the presence of a sufficient quantity of living BCG bacilli in the guinea-pig. The early starvation tuberculin reaction did not appear after an inoculation with virulent tubercle bacilli. The reaction was modified, in a way similar to other tuberculin reactions after infection by a virulent tuberculous strain, by the variable individual reactivity of the skin.

Czezowska - Wroclaw (IV, 15)

SO: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6

GARNUSZEWSKI, Z.

Studies on experimental pleural shock in rabbits. Gruzlica,
Warszawa 18 no.1:72-87 Jan-Mar 1950. (CJML 20:1)

1. Of the Physiological Clinic in Wroclaw (Head--Leslaw
Wegrzynowski, M. D.) and of the Institute of Physiology of the
University and Polyclinic in Wroclaw (Head--Prof.
Andrzej Klisiecki, M. D.

GARNUSZEWSKI, Z.

Results of mass allergometric screening of college students in Wroclaw.
Gruzlica, Warszawa 18 no.2:263-269 Apr-June 1950. (CIML 20:7)

1. Of the Physiological Clinic in Wroclaw (Director--Leslaw Wegrzynowski, M.D.).

RZUCIDLO, L.; RUDZKI, E.; GARNUSZEWSKI, Z.; SOBOLEWSKA, M.

Behavior of phosphatides in Mycobacterium tuberculosis in reaction with sera of tuberculous patients. Med. dosw. mikrob. 5 no.2:223-230 1953.

(CML 25:1)

1. Of the Institute of Dermatology and Venereology in Warsaw and of the First Dermatological Clinic of Warsaw Medical Academy.

GARNUSZEWSKI, Zbigniew (Warszawa, ul. Plocka 26, Instytut Gruźlicy)

Clavicular percussion in determination of physical state of the upper pulmonary part. Polski tygod. lek. 9 no.14:429-432 5 Apr 54.

1. Z Sanatorium dla Młodzieży w Dziakanowie Lesnym; dyr. dr J.Lutz.
(PERCUSSION,
of clavicular region in determ. of phys. cond. of
upper pulm. part)
(LUNGS,
exam. of upper lungs by percussion of clavicular region)

GARNUSZEWSKI, Zbigniew; LISTEWNIK, Jerzy

Broncholithiasis. Gruzlica, 25 no.10:825-829 Oct 57.

1. Z Kliniki Płytycznej Pomorskiej Akademii Medycznej w Szczecinie.
Kierownik: doc. Z. Garnuszewski oraz z Oddziału IIIa Wojewódzkiego Szpitala
Zakaźnego w Szczecinie. Ordynator: A. Balc.

(BRONCHI, calculi
case reports (Pol))

GARNUSZEWSKI, Zbigniew

Hepaticodiaphragmatic interposition of the colon in patients with pulmonary tuberculosis. Gurzlica 25 no.11:885-890 Nov 57.

1. Z Kliniki Ftyzjatrycznej Pomorskiej A. M. w Szczecinie. Kierownik: doc. Z. Garnuszewski.

(COLON

hepaticodiaphragmatic interposition in pulm. tuberc. (Pol))

(TUBERCULOSIS, PULMONARY, compl.

hepaticodiaphragmatic interposition of colon (Pol))

GARNUSZEWSKI, Zbigniew (Szczecin, Mazurska 45a m. 6.)

Present methods of registering results of percussion & auscultation.
Polski tygod. lek. 13 no.9:301-304 3 Mar 58.

1. (Z Kliniki Ftyszjatricznej P.A.M. w Szczecinie; kierownik: doc.
dr med. Z. Garnuszewski)
(AUSCULTATION
spectral phonographic technic using oscilloscope (Pol))

GARNUSZEWSKI, Zbigniew

Value of phytotherapy in the pulmonary tuberculosis clinic. Polski tygod. lek. 13 no.43:1683-1685 27 Oct 58.

1. Z Kliniki Ftyzjatrycznej P.S.M. w Szczecinie; Kierownik. doc. dr Z. Garnuszewski.

(TUBERCULOSIS, PULMONARY, ther.
phytother., value (Pol))

(PLANTS
phytother. in pulm. tuberc., value (Pol))

GARNUSZEWSKI, Zbigniew (Szczecin, ul. Mazurska 45 A m. 6.)

Value of phytotherapy in pulmonary tuberculosis. Polski tygod.
lek. 14 no.9:401-413 2 Mar 59.

1. Z Kliniki Petyzjatrycznej P.A.M. w Szczecinie; kierownik: doc. dr
Z. Garnuszewski.

(TUBERCULOSIS, PULMONARY, ther.
phytother. (Pol))

(PLANTS, ther. use
pulm. tuberc. (Pol))

GARNUSZEWSKI, Zbigniew

On the value of criteria of compensation states in tuberculosis.
Polski tygod. lek. 14 no.38:1724-1729 21 Sept 59.

1. (Z Kliniki Ftyzjatrycznej P. A. M. w Szczecinie, kierownik: doc.
Z. Garnuszewski).
(TUBERCULOSIS, PULMONARY)

GARNUSZEWSKI, Zbigniew (Szczecin, ul. Mazurska 45a m. 6.)

Intracutaneous trypan blue tests in pulmonary tuberculosis. Gruzlica
27 no.2:137-145 Feb 59.

I. Z Kliniki Ftyzjatrycznej Pomorskiej A.M. w Szczecinie Kierownik:
doc. Z. Garmuszewski.
(TUBERCULOSIS, PULMONARY, immunol.
trypan blue skin tests as immunol. index (Pol))

GARNUSZEWSKI, Zbigniew; NACHTMAN, Barbara

Cadmium test as a method of verification of compensatory states
in patients with pulmonary tuberculosis. Gruzlica 27 no.5:397-404
My '59.

1. Z Kliniki Ftyzjatrycznej Pomorskiej A.M. w Szczecinie. Kierow-
nik: doc.dr Z. Garnuszeowski.
(TUBERCULOSIS PULMONARY physiol.)
(LIVER FUNCTION TESTS)

GARNUSZEWSKI, Zbigniew

Significance of physical examination in limited changes in the upper lobes. Gruzlica 27 no.5:405-408 My '59.

1. Z Kliniki Ftyzjatrucznej Pomorskiej A.M. w Szczecinie. Kierownik:
doc.dr Z. Garnuszeowski.
(TUBERCULOSIS PULMONARY diag.)

GARNUSZEWSKI, Zbigniew; PARAFINIUK, Wladyslaw; PRZEWORSKA, Dagna

The course of infection with INH-resistant and catalase-deprived bacilli in undernourished guinea pigs. Gruzlica 27 no.7:659-662 JI '59.

1. Z Kliniki Ftyszjatricznej P.A.M. Kierownik: doc.dr Z. Garnuszeowski. Z Zakladu Anatomii Patologicznej P.A.M. Kierownik: prof. dr K. Stojalowski. Z Zakladu Mikrobiologii P.A.M. Kierownik: doc. dr W. Murczynska.

(TUBERCULOSIS exper.)

(CATALASE)

(DEFICIENCY DISEASES exper.)

GARNUSZEWSKI, Zbigniew; NACHTMAN, Barbara

Large lymphocytes in peripheral blood as a functional index in pulmonary tuberculosis. Gruzlica 27 no.10: 1019-1022 0 '59.

1. Z Kliniki Ftyzjatrycznej P.A.M. w Szczecinie. Kierownik: doc. dr. Z. Garmuszewski.

(TUBERCULOSIS PULMONARY blood)
(LYMPHOCYTES)

GARNUSZEWSKI, Zbigniew; PARAFINIUK, Wladyslaw; PRZEWORSKA, Dagna

The course of infection with hydrazine-resistant bacilli in under-nourished guinea pigs previously vaccinated with BCG. Pat. Pol. 12 no.5:373-387 '61.

1. Z Kliniki Ftyzjatrycznej Pomorskiej Akademii Medycznej w Szczecinie
Kierownik: doc. dr Z. Garnuszewski Z Zakladu Anatomii Patologicznej
Pomorskiej Akademii Medycznej w Szczecinie Kierownik: prof. dr K.
Stojalowski Z Zakladu Mikrobiologii Pomorskiej Akademii Medycznej w
Szczecinie Kierownik: doc. dr W. Mirczynska.

(BCG VACCINATION exper) (NUTRITION DISORDERS exper)

GARNUSZEWSKI, Zbigniew; PAFROWICZ, Biruta; KISIERLEWICZ, Jozef (Szczecin)

" Effect of adreno-pituitary hormones on tuberculin allergy. Gruzlica
29 no.1:66-68 Ja '61.

(CORTICOTROPINE pharmacol)
(ADRENAL CORTEX HORMONES pharmacol)
(TUBERCULIN REACTION pharmacol)

GARNUSZEWSKI, Zbigniew; KISIELEWICZ, Jozef (Szczecin)

Effect of cortisone on the course of experimental tuberculqus infection. Gruzlica 29 no.1:72-73 Ja '61.

(TUBERCULOSIS exper) (CORTISONE pharmacol)

GARNUSZEWSKI, Zbigniew

Innervation of the lung and pleura. Gruzlica 30 no.4:331-340 '62.

1. Z Kliniki Ftizjatrycznej PAM w Szczecinie Kierownik: prof. dr med.
Z. Garnuszewski.

(LUNGS innervation) (PLEURA innervation)

GARNUSZEWSKI, Zbigniew; SZMYGIN, Joanna

Intradermal trypan blue test as a criterion in the evaluation of the stabilization of tuberculosis. Gruzlica 30 no.10:927-932 '62.

1. Z Kliniki Ftizjatrycznej PAM w Szczecinie Kierownik: prof. dr med. Z. Garnuszewski.
(TUBERCULOSIS, PULMONARY) (TRYPAN BLUE)
(SKIN TESTS) (PROGNOSIS)

GARNUSZEWSKI, Zbigniew

Chlorpromazine in pantocaine poisoning. Gruzlica 30 no.12;1091-1094
'62.

1. Z Kliniki Ftizjatrycznej PAM w Szczecinie Kierownik: prof. dr med.

Z. Garnuszewski.

(CHLORPROMAZINE)

(TETRACAINE)

GARNUSZEWSKI, Zbigniew; MAZUR, Mieczyslaw

Effect of streptomycin, para-aminosalicylic acid and isonicotinic acid hydrazide on the absorption of glucose by the isolated small intestine of the rat. Gruzlica 31 no.6:635-637 Je'63.

1. Klinika Ftizjatryczna i Zaklad Farmakologii AM, Szczecin.

*

GARNUSZEWSKI, Zbigniew; DOBRZYNSKI, Waldemar

The problem of anti-social patients in antituberculosis institutions. Gruzlica 31 no.6:691-694 Je'63

A guide for alcoholism control in pulmonary tuberculosis wards in hospitals. Ibid:694-696

1. Klinika Ftizjatryczna PAN, Szczecin.

*

HORNUNG, Stanislaw; POLONCZYK, Mieczyslaw; DELOFF, Leonard; DERUBSKA, Barbara; GARNUSZEWSKI, Zbigniew; JAROSZEWICZ, Wiwa; JAWORSKI, Jan; MYSAKOWSKA, Helena; PARYSKI, Edwin; PECAK, Wladyslaw; PREGOWSKI, Wladyslaw; SOSNOWSKI, Wacław; WESTFAL, Irena; ZIERSKI, Marian

Primary resistance to basic antitubercular drugs in pulmonary tuberculosis patients observed in Poland during the period of 1961-1962. Gruzlica 32 no.8:629-636 Ag '64.

GARNUSZEWSKI, Zbigniew; DOBRZYNSKI, Waldemar

Sidero-coniiosis co-existing with silicosis among shipyard welders. Gruzlica 32 no.8:687-694. Ag '64.

Silicosis among dock workers employed in grain elevators. Ibid.:703-705

1. Z Kliniki Ftizjatrycznej Pomorskiej Akademii Medycznej w Szczecinie (Kierownik: prof. dr. Z. Garnuszewski).

USSR, N. S.

Dissertation: "The Effect of the Melting Method on the Properties of Transformer Steel." Card Tech Sci, Inst of Metallurgy, Acad Sci USSR, Moscow, 1953. Referativnyy Zhurnal—Khimiya, Moscow, No 3, Apr 54.

SC: SM: 787, 26 Nov 1954

GARNYK, G. A.

✓ Vacuum-melting transformer steel. G. A. Garnyk and
 A. M. Gamarin. *Sov. Met. Eng.* 1968, 18(1968).—A comparison of
 steels melted in an open induction furnace and in one oper-
 ated under a vacuum of 1–10 mm. Hg from Armco iron and
 con. FeSi showed that vacuum-melted alloys were better.
 Watt losses varied between 2.05 and 2.70 w./kg. for open-
 melted and between 1.67 and 1.78 for vacuum melted,
 both at 15 kilocycles. Hysteresis loops had a smaller
 area for the latter, O content was 5–10 times lower, and non-
 metallic content (by weight) 8 to 10 times lower, the coercive
 force being about one half of the former. Inclusions in
 open-melted stock were large globular silicates, in vacuum-
 melted fine alumina. J. D. Gat.

Metal 2

Metallurgy Institute, AS USSR

GARNYK, G.A., SAMARIN, A.M.,

"Carbon Influence on Some Properties of Transformer Steel,"
lecture given at the Fourth Conference on Steelmaking, A.A. Baikov Institute of
Metallurgy, Moscow, July 1-6, 1957

Amiriy, Galina Antonovna
SAMARIN, Aleksandr Mikhaylovich; POLYAKOV, Aleksandr Yul'yevich; NOVIK,
Lev Moiseyevich; GARNIK, Galina Antonovna; ROZENTSVEYG, Ya.D.,
redaktor izdatel'stva; VAYSHTEIN, Ya.B., tekhnicheskiy redaktor

[Use of vacuum in steel smelting] Primenenie vakuuma v stale-
plavil'nykh protsessakh. Pod red. A.M.Samarina. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po cherno i tsvetnoi metallurgii,
1957. 101 p. (MLRA 10:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Samarin)
(Smelting)

- ER-3-6017

137-58-3-001

GARNYK, G. A.

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 224 (USSR)

AUTHOR: Garnyk, G.A.

TITLE: Composition and Properties of Vacuum-melted Transformer Steel
(Sostav i svoystva transformatornoy stali, vyplavlennoy v vakuume).

PERIODICAL: V sb.: Primeneniye vakuuma v staleplav. protsessakh, Moscow, Metallurgizdat, 1957, pp 81-102

ABSTRACT: Investigations were performed in order to evaluate the effect of melting procedures on the properties of transformer steel (TS). Properties of steel smelted under laboratory conditions in standard induction furnaces (SF) were compared with properties of steel smelted in vacuum-type induction furnaces (VF). It is established that, compared with TS which had been smelted in SF's, the TS prepared in VF's exhibit the following characteristics: a) 15 to 20 percent lower wattage losses; b) magnetic permeability, particularly initially, is twice and, in the case of some melts, eight times as great; c) H_c is 60 percent lower; d) the value of the induction is greater in areas of weak fields; and e) the re-magnetization losses are 50-67 percent lower. Steel melted in a

Card 1/2

137-58-3-6017

• Composition and Properties of Vacuum-melted Transformer Steel

VF contains one tenth as much O as a steel which had been melted in an SF. Inclusions found in steel which had been melted in a VF are in the form of large globules which float up readily to the surface of the metal. The C in such steels has the form of graphite, rather than of carbide. Tests performed on industrial TS (melts of 150 kg) have demonstrated that differences in the properties of steels melted in SF's and VF's are even greater in that case than in the case of laboratory melts.

V.L.

Card 2/2

GARNYK, G.A.

137-58-2-4125

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 265 (USSR)

AUTHORS: Garnyk, G.A., Samarin, A.M.

TITLE: The Effect of Certain Admixtures on the Properties of Transformer Steel (Vliyaniye nekotorykh primesey na svoystva transformatornoy stali)

PERIODICAL: V sb.: Fiz.-khim. osnovy proiz-va stali Moscow, AN SSSR, 1957, pp 560-569. Diskus. pp 650-655

ABSTRACT: A study was made of two groups of heats of a transformer steel smelted in a high-frequency furnace. One group was smelted in accordance with the generally accepted procedure for this type of steel; the other was smelted in a 5-15 mm Hg vacuum and was subsequently vacuum-cast. The steel of the vacuum heats was found to contain 50 percent less C, 80-90 percent less O, approximately 85 percent less H, and a considerably smaller quantity of nonmetallic inclusions than the steel from the ordinary heats. Hence, the plastic, magnetic, and electrical properties of the former are superior.

Card 1/1

T.F.
1. Steel--Properties 2. Steel--Inclusions 3. Steel--Production
--Methods

GARNYK, G. A.

137-58-3-6018

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 225 (USSR)

AUTHORS: Samarin, A. M. , Garnyk, G. A.

TITLE: The Effect of Vacuum Melting on Properties of Transformer Steel (Vliyaniye vyplavki pod vakuomom na svoystva transformatornoy stali)

PERIODICAL: Tr. In-ta metallurgii AN SSSR, 1957, Nr 1, pp 51-59

ABSTRACT: Laboratory smeltings of 10 and 20 kg batches of transformer steel were tested and investigated, together with semi-industrial smeltings weighing 150 kg which were smelted in a vacuum-type induction furnace at a residual pressure of 1-2 mm Hg. A portion of the ingots solidified without vacuum. Ingots forged into 100 mm squares were rolled into strips 0.32 mm, 0.2 mm, and 0.08 mm thick. It is established that H_c and wattage losses in vacuum-melted steel are considerably lower than in standard steels whereas magnetic permeability in weak and, partially, in medium magnetic fields is significantly higher; this is explained by lower gas content and by the fact that non-metallic inclusions are present in amounts 88 to 90 percent smaller than in standard steels and, in addition, appear in the form of readily fusible

Card 1/2

137-58-3-6018

The Effect of Vacuum Melting on Properties of Transformer Steel

silicates, rather than in the form of fine alumina crystals as is the case in standard melts. Vacuum-melted steel containing up to 4.12 percent Si is suitable for cold rolling, a fact which may be utilized to effect additional reduction of losses due to eddy currents.

V. M.

Card 2/2

AUTHORS: Garnyk, G. A. and Samarin, A.M. (Moscow). 24-5-9/25

TITLE: Vacuum metallurgy. Deoxidation and desulphurisation in vacuum.
(Vakuumnaya metallurgiya. Raskisleniye i desul'furatsiya v vakuume).

PERIODICAL: "Izvestiya Akademii Nauk, Otdeleniye Technicheskikh Nauk",
(Bulletin of the Ac.Sc., Technical Sciences Section),
1957, No.5, pp.77-84 (U.S.S.R.)

ABSTRACT: Utilisation of vacuum permits increasing the deoxidation property of carbon and thus to carry out the deoxidation solely by carbon and to produce steel which is free of deoxidation products and has a very low content of dissolved oxygen; this is particularly important for smelting steels with very low carbon contents. Very little information is available on smelting of steel in vacuum furnaces and, therefore, the authors aimed at studying the influence of vacuum on the decarburisation and desulphurisation during the manufacture of transformer steel in induction vacuum furnaces. The fact that it is advisable to apply vacuum furnaces for producing transformer steel was established earlier by Garnyk, G.A., (Dissertation, Institut Metallurgii Ak. Nauk SSSR, 1953). In the here described experiments the steel was produced in a laboratory vacuum induction furnace of

Card 1/3

Vacuum metallurgy. Deoxidation and desulphurisation in vacuum.
(Cont.)

24-5-9/25

20 kg capacity with a magnesite crucible. The current supply to the furnace was from a rotary generator of 50 kW, 2500 c.p.s. Armco iron containing 0.06 C, 0.18 Si, 0.25 Mn was used as starting material in addition to about 0.1% iron ore. On the basis of the obtained results and the data published by Fischer, W.A. and Cohen, Th. (2) the authors conclude that in the case of smelting of transformer steel in vacuum induction furnaces it is advisable to melt first the metallic charge in an open furnace, to add iron ore to it for intensifying the oxidation process, keep the liquid metal under a layer of slag for the purpose of purifying it of P and S and then to introduce ferrosilicon under vacuum. Under optimum conditions a reduction of the pressure in the furnace atmosphere to 1 mm Hg increases the deoxidation capacity of carbon almost one hundredfold. The speed of purifying the liquid metal in vacuum, of oxygen, is several times as high as the speed of elimination of carbon from the metal. The speed of deoxidation and decarburisation in vacuum depends not only on the initial concentrations of carbon and oxygen in the metal but also on the furnace capacity. Fig.2 shows the speed of decarburisation, in % C/min in vacuum

Card 2/3

Vacuum metallurgy. Deoxidation and desulphurisation in vacuum.
(Cont.) 24-5-9/25

as a function of the initial C content in the metal for furnaces of 20 and 150 kg capacity. Fig.3 shows the dependence between the deoxidation speed and the initial oxygen content of the metal for furnaces of 20 and 150 kg capacity. Fig.4 shows the dependence between the speed of decarburisation and deoxidation in vacuum for furnaces of 20 and 150 kg capacity. Fig.5 shows the desulphurisation of the liquid metal in vacuum in a 150 kg capacity furnace, as a function of time, mins. Fig.6 shows the ratio of (S,%):(O,%) as a function of the deoxidation ability of the carbon for a 150 kg furnace. There are 6 figures, 4 tables, 1 German and 1 Slavic reference.

SUBMITTED: June 6, 1956.

AVAILABLE:

Card 3/3

GARNYK, G.A.

DUBROV, N.F., kand. tekhn. nauk; MIKHAYLOV, O.A., kand. tekhn. nauk;
 FEL'DMAN, I.A.; DANILOV, A.M.; SOROKIN, P.Ya., kand. tekhn. nauk,
 starshiy nauchnyy sotrudnik; BUTAKOV, D.K., kand. tekhn. nauk,
 dots.; SOYFER, V.M.; LATASH, Yu.V., mladshiy nauchnyy sotrudnik;
 ZAMOTAYEV, S.P.; BEYTEL'MAN, A. I.; SAPKO, A.I.; PETUKHOV, G.K.,
 kand. tekhn. nauk; YEDNERAL, F.P., kand. tekhn. nauk, dots.;
 LAPOFYSHKIN, N.M., kand. tekhn. nauk, starshiy nauchnyy sotrudnik;
 ROZIN, R.M.; NOVIK, L.M., kand. tekhn. nauk, starshiy nauchnyy
 sotrudnik; LAVRENT'YEV, B.A.; SHILYAYEV, B.A.; SHUTKIN, N.I.;
 GNUCHEV, S.A., kand. tekhn. nauk, starshiy nauchnyy sotrudnik;
 LYUDEMAN, K.F., doktor-inzh., prof.; GRUZIN, V.G., kand. tekhn.
 nauk; BARIN, S.Ya.; POLYAKOV, A.Yu., kand. tekhn. nauk; FEDCHENKO,
 A.I.; AGEYEV, P.Ya., prof., doktor; SAMARIN, A.M.; BOKSHITSKIY,
 Ya.M., kand. tekhn. nauk; GARNYK, G.A., kand. tekhn. nauk;
 MARKARYANTS, A.A., kand. tekhn. nauk; KRAMAROV, A.D., prof.,
 doktor tekhn. nauk; FEDER, L.I.; DANILOV, P.M.

Discussions. Biul. TSNIICGM no.18/19:69-105 '57. (MIRA 11:4)

1. Direktor Ural'skogo instituta chernykh metallov (for Dubrov).
2. Direktor Tsentral'nogo instituta informatsii chernoy metallur-
gii (for Mikhaylov).
3. Nachal'nik nauchno-issledovatel'skogo
otdela osobogo konstruktorskogo byuro tresta "Elektropech'" (for
Fel'dman).
4. Nachal'nik martenovskoy laboratorii Zlatoustovskogo
metallurgicheskogo zavoda (for Danilov, A.M.).
5. Laboratoriya
protssessov stalevareniya Instituta metallurgii Ural'skogo filiala
AN SSSR (for Sorokin).

(Continued on next card)

DUBROV, N.F.---(continued) Card 2.

6. Ural'skiy politekhnicheskiy institut (for Butakov). 7. Starshiy inzhener Bryanskogo mashinostroitel'nogo zavoda (for Soyfer). 8. Institut elektrosvarki im. Patona AN URSS (for Latash). 9. Nachal'nik Tsentral'noy zavodskoy laboratorii "Uralmashzavoda" (for Zamotayev). 10. Dnepropetrovskiy metallurgicheskiy institut (for Sapko). 11. Moskovskiy institut stali (for Yedneral). 12. Tsentral'noy nauchno-issledovatel'skiy institut chernoy metallurgii (for Gmuchehev, Lepotyshkin). 13. Starshiy master Leningradskogo zavoda im. Kirova (for Rozin). 14. Institut metallurgii im. Baykova AN SSSR (for Novik, Polyakov, Garnyk). 15. Nachal'nik tekhnicheskogo otdela zavoda "Bol'shevik" (for Lavrent'yev). 16. Starshiy inzhener tekhnicheskogo otdela Glavspetsstali Ministerstva chernoy metallurgii (for Shilyayev). 17. Zamestitel' nachal'nika tekhnicheskogo otdela zavoda "Elektrostal'" (for Shutkin). 18. Freybergskaya gornaya akademiya, Germanskaya Demokraticeskaya Respublika (for Lyudeman). 19. Zaveduyushchiy laboratoriyey stal'nogo lit'va Tsentral'nogo nauchno-issledovatel'skogo instituta tekhnologii i mashinostroyeniya (for Gruzin). 20. Starshiy master elektrostaleplavil'nykh pechey Uralvagonzavoda (for Barin). 21. Zamestitel' nachal'nika elektrostaleplavil'nogo tsekha zavoda "Sibelektrostal'" (for Fedchenko). 22. Zaveduyushchiy kafedroy metallurgii stali i elektrometallurgii chernykh metallov Leningradskogo politekhnicheskogo instituta (for Ageyev). 23. Zamestitel' direktora Instituta metallurgii im. Baykova AN SSSR, chlen-korrespondent AN SSSR (for Samarin).

(Continued on next card)

DUBROV, N.F.---(continued) Card 3.

24. Nachal'nik laboratorii Tsentral'nogo nauchno-issledovatel'skogo instituta chernoy metallurgii (for Bokshitskiy). 25. Zaveduyushchiy kafedroy elektrometallurgii Sibirskogo metallurgicheskogo instituta (for Kramarov). 26. Nachal'nik elektrostaleplavil'nogo tsekha Kuznetskogo metallurgicheskogo kombinata (for Todor). 27. Nachal'nik elektrometallurgicheskoy laboratorii Kuznetskogo metallurgicheskogo kombinata (for Danilov, P.M.).

(Steel--Metallurgy)

07/19/2001

Card 3

PHASE I BOOK EXPLOITATION

533

Akademiya nauk SSSR. Institut metallurgii

Primeneniye vakuuma v metallurgii; trudy soveshchaniya po primeneniyu vakuuma v chernoy metallurgii (Use of Vacuum in Metallurgy; Transactions of a Conference on the Use of Vacuum in Ferrous Metallurgy) Moscow, Izd-vo AN SSSR, 1958. 165 p. 4,000 copies printed.

Resp. Ed.: Samarin, A.M., Corresponding Member of the USSR Academy of Sciences;
Ed. of Publishing House: Bankvitser, A. L.; Tech. Ed.: Polyakova, T. V.

PURPOSE: This publication is intended to familiarize metallurgists, engineers, and other scientific and industrial personnel with the processes and advantages of vacuum metallurgy and with its state of development in the Soviet Union.

COVERAGE: The transactions are grouped into three main sections: vacuum melting of steel and alloys, vacuum treatment of molten steel and ferroalloys in the ladle and in the ingot mold, and extraction of metals and alloys from ores in vacuum. In a brief introductory section, A.M. Samarin, Corresponding Member of the Academy of Sciences, USSR, concisely covers much of the basic material presented in more detailed form in the individual articles. A resolution adopted by the conference, which appears at the end of Part III, embodies

Card 1/1

Use of Vacuum in Metallurgy (Cont.) 533

recommendations for expanding the use of vacuum metallurgy in the USSR. The conference took place in 1956. For references and further coverage, see Table of Contents.

TABLE OF CONTENTS:

Samarin, A. M. Problems of Using Vacuum in Metallurgy 3

The author begins by discussing the important advantages of the vacuum-melting of steel. Chief among these are (1) assurance of a minimum content of oxygen, nitrogen, and hydrogen, as well as of nonmetallic inclusions; (2) the possibility of deoxidizing the steel by carbon alone, with consequent absence of oxide inclusions; (3) protection against reoxidation during teeming. Turning to problems, Samarin states, first of all, that Soviet induction vacuum-melting furnaces are of unsatisfactory design, and that Soviet metallurgists should carefully study foreign furnaces of more advanced design. Another important task is the investigation of refractory materials suitable for the construction of vacuum-furnace crucibles. Further, the problem of controlling the temperature and composition of molten metal during the melting process must be solved. Though there has been considerable expansion of vacuum melting in the USSR in recent years, Samarin states

Card 2/16

Use of Vacuum in Metallurgy (Cont.) 533

that annual outputs of tens or hundreds of thousands of tons of vacuum-melted steel cannot be expected as yet because of the cost and complexity of new equipment and the very high consumption of electric power. A suggested partial solution is to subject ordinary liquid steel (not vacuum-melted) to vacuum treatment to eliminate the gases. For this purpose, the steel may be treated either in the ladle or during the pouring of the ingots. These procedures have been industrially tested with good results. There are 9 references of which 7 are Soviet, 1 English, and 1 German.

I. VACUUM MELTING OF STEEL AND ALLOYS

Garryk, G.A. and Samarin, A.M. Vacuum Melting of Transformer Steel 14

The authors have established the following facts: 1. In vacuum-melted transformer steel, power losses are 15-20 percent lower than in ordinary transformer steel, and magnetic permeability and plasticity are greater. 2. Use of the vacuum technique makes it possible to organize the production of cold-rolled transformer steel with a high silicon content. 3. The electromagnetic properties of vacuum-melted transformer steel are superior because of a low content of harmful impurities like carbon, oxygen, and sulfur. 4. The vacuum method increases the deoxidizing capacity of carbon by about 100

Card 3/3

Inst. of Metallurgy in Baylor, Moscow

Use of Vacuum in Metallurgy (Cont.) 533

times, resulting in a steel very low in carbon and oxygen. 5.
5. Lengthening the period during which the liquid metal is kept under vacuum after ferrosilicon has been added is conducive to very low sulfur content.

Belyakov, R.S. Effect of the Melting Method on the Properties of Stainless Steel

35

Author's conclusions: 1. Chrome-nickel stainless steel which is not subject to intergranular corrosion can be made in an induction vacuum-melting furnace with a residual pressure of up to 20 mm. of mercury, without the addition of stabilizing elements and without the loss of much chrome from the stainless-steel scrap additions in the charge. 2. Steel with a carbon content not exceeding 0.02 percent can be made by keeping the molten metal under vacuum for 30-40 minutes. 3. Vacuum-melted chrome-nickel stainless steel is more resistant to attack by boiling nitric acid [than non-vacuum-melted] because of low carbon content and total absence of titanium. There are 11 Soviet references.

Card 4/11

GARNYK, G.M.

PHASE I BOOK EXPLOITATION

SOV/4548

Akademiya nauk SSSR. Komissiya po fiziko-khimicheskim osnovam proizvodstva stali

Primeneniye vakuuma v metallurgii (Use of Vacuum in Metallurgy) Moscow, Izd-vo AN SSSR, 1960. 334 p. Errata slip inserted. 4,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A.A. Baykova. Komissiya po fiziko-khimicheskim osnovam proizvodstva stali.

Resp. Ed.: A.M. Samarin, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: G.M. Makovskiy; Tech. Ed.: S.G. Markovich.

PURPOSE: This collection of articles is intended for technical personnel interested in recent studies and developments of vacuum steelmaking practice and equipment.

COVERAGE: The book contains information on steel melting in vacuum induction furnaces, and vacuum arc furnaces, reduction processes in vacuum, and degassing of steel and alloys. The functioning of apparatus and equipment, especially vacuum furnaces and vacuum booster pumps is also analyzed. Personalities are mentioned in connection with some of the articles and will appear in the Table of Contents. Three articles have been translated from English. Some of the

Card 1/9

Use of Vacuum in Metallurgy

SOV/4548

articles are accompanied by references.

TABLE OF CONTENTS:

PART I. MELTING OF STEELS AND ALLOYS
IN VACUUM INDUCTION FURNACES

Kashin, V.I., and A.M. Samarin. Vacuum Melting of Heat-Resistant Nickel-Base Alloys	5
Samarin, A.M., and G.A. Garnyk. The Effect of Silicon on the Rate and Degree of Decarburization of Molten Metal in Vacuum Induction Furnaces	15
Chuprin, K.K., V.M. Amonenko and I.S. Bolgov. Melting and Pouring of Nickel-Base Alloys in Vacuum [V.A. Zhabina, N.F. Lashko, V.A. Azhazha, A.P. Balashov and V.V. Mukhin participated in the work]	23
Nekhendzi, Yu.A., and M.T. Bogdanov. Casting of Oxide-Film-Forming Alloys in the Protective Atmosphere Under Vacuum	30

~~Card 2/9~~

GARNYK, G.A.; SAMARIN, A.M.

Effect of certain elements on the properties of electrical engineering steel. Elektrichestvo no.2:71-74 F '62. (MIRA 15:2)

1. Institut metallurgii im. Baykova.
(Steel)

AVERIN, V.V. (Moskva); GARNYK, G.A. (Moskva); SAMARIN, A.M. (Moskva)

Thermodynamic conditions for the interaction between nitrogen on one hand and silicon and aluminum on the other, in transformer steel. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo no.2: 40-46 Mr-Ap '63. (MIRA 16:10)

095000, 014

ALFEROV, A.A.; ARTEMKIN, A.A.; ASHKENAZI, Ye.A.; VINOGRADOV, G.P.; GALS'YEV, A.U.; GRIGOR'YEV, A.N.; D'YACHENKO, P.Ye.; ZALIT, N.N.; ZAKHAROV, P.M.; ZOBNIN, N.P.; IVANOV, I.I.; IL'IN, I.P.; KMETIK, P.I.; KUDRYASHOV, A.T.; LAPSHIN, F.A.; MOLYARCHUK, V.S.; PERTSOVSKIY, L.M.; POGODIN, A.M.; RUDOY, M.L.; SAVIN, K.D.; SIMONOV, K.S.; SITKOVSKIY, I.P.; SITNIK, M.D.; TETEREV, B.K.; TSETYRKIN, I.Ye.; TSUKANOV, P.P.; SHADIKYAN, V.S.; ADLUNG, N.N., retsenzent; AFANAS'YEV, Ye.V., retsenzent; VIASOV, V.I., retsenzent; VOROB'YEV, I.Ye., retsenzent; VORONOV, N.M., retsenzent; GRITCHENKO, V.A., retsenzent; ZHEREBIN, M.N., retsenzent; IVLIYEV, I.V., retsenzent; KAPORTSEV, N.V., retsenzent; KOCHUROV, P.M., retsenzent; KRIVORUCHKO, N.Z., retsenzent; KUCHKO, A.P., retsenzent; LOBANOV, V.V., retsenzent; MOROZOV, A.S., retsenzent; ORLOV, S.P., retsenzent; PAVLUSHKOV, E.D., retsenzent; POPOV, A.N., retsenzent; PROKOF'YEV, P.F., retsenzent; RAKOV, V.A., retsenzent; SINEGUBOV, N.I., retsenzent; TERENIN, D.F., retsenzent; TIKHOMIROV, I.G., retsenzent; URBAN, I.V., retsenzent; FIALKOVSKIY, I.A., retsenzent; CHEPYZHEV, B.F., retsenzent; SHEBYAKIN, O.S., retsenzent; SHCHERBAKOV, P.D., retsenzent; GARNYK, V.A., redaktor; LOMAGIN, N.A., redaktor; MORDVINKIN, N.A., redaktor; NAUMOV, A.N., redaktor; POBEDIN, V.F., redaktor; RYAZANTSEV, B.S., redaktor; TVERSKOY, K.N., redaktor; CHEREVATYY, N.S., redaktor; ARSHINOV, I.M., redaktor; BARILYAN, V.B., redaktor; BERNGARD, K.A., redaktor; VERSHINSKIY, S.V., redaktor; GAMBURG, Ye.Yu., redaktor; DERIBAS, A.T., redaktor; DOMBROVSKIY, K.I., redaktor; KORNEYEV, A.I., redaktor; MIKHEYEV, A.P., redaktor

(Continued on next card)

ALFEROV, A.A. ---- (continued) Card 2.

MOSEVIN, G.N., redaktor; RUBINSHTEYN, S.A., redaktor; TSYPIN, G.S.,
redaktor; CHERNYAVSKIY, V.Ya., redaktor; CHERNYSHEV, V.I., redaktor;
CHERNYSHEV, M.A., redaktor; SHADUR, L.A., redaktor; SHISHKIN, K.A.,
redaktor

[Railroad handbook] Spravochnaia knizhka zheleznodorozhnika. Izd.
3-e, ispr. i dop. Pod obshchei red. V.A.Garnyka. Moskva, Gos.
transp.zhel-dor. izd-vo, 1956. 1103 p. (MLRA 9:10)

1. Nauchno-tekhnicheskoye obshchestvo zheleznodorozhnogo transporta.
(Railroads)

541. OPERATION OF BOILER WITH LIQUID SLAG REMOVAL AT A STATION WITH
PEAK LOADS. Boiko, G.G., Gastyk, V.A. and Chubakov, I.S. (Elekt. Sta.
Pwr Sta., Moscow), Nov. 1950, Vol. 27, 53-55). The operation of such a
boiler, where night load dips from 140 to 60-80 t/h and furnace conditions
change over from liquid slag removal to dry, and back again when load
increases, is economical and presents no special difficulties. Boiler
efficiency in both cases is fairly constant at 88.3-89.7%. Under such
conditions the gas flue can be kept free from certain ash deposits which tend
to remain in it, by restriction of excess air admission and by systematic
steam blast cleaning. C.E.A.

GARNYK, V.A.

Technological progress in railroad transport. Zhel.dor.transp.
37 no.7:8-15 J1 '56. (MLRA 9:8)

1. Zamestitel' ministra putey soobshcheniya.
(Railroads)

GARNYK, V.A., inzhener.

Locomotive engineers and technicians in the vanguard of the struggle for further technical progress. Elek. i tepl. tiaga no.6:6-13 Ja '57. (MIRA 10:8)

1. Predsedatel' Tsentral'nogo Pravleniya Nauchno-tehnicheskogo obshchestva zheleznodorozhnogo transporta. (Railroad engineering)

GARNYK, V.A.
GARNYK, V.A.

Technical progress in the locomotive industry of the railroad
transport industry during the past 40 years. Elek. i topl. tiaga
no.11:3-8 N '57. (MLRA 10:11)

1. Zamestitel' ministra putey soobshcheniya SSSR,
(Locomotives)

GARNYK, Y.A.

Innovations in organizing the maintenance and repair of locomotives.
Zhel. dor. transp. 40 no.5:8-13 My '58. (MIRA 11:6)

1. Zamestitel' ministra putey soobshcheniya.
(Locomotives--Maintenance and repair)

GARNYK, V.A.

New potentialities of a consolidated main line. Zhel.
dor.transp. 41 no.12:3-8 D '59. (MIRA 13:4)

1. Nachal'nik Kuybyshevskoy sheleznoy dorogi.
(Railroads--Consolidation)

GARNYK, V.A.

Technical progress on a consolidated main line. Zhel.dor.transp.
43 no.2:18-22 F '61. (MIRA 14:4)

1. Nachal'nik Kuybyshevskoy dorogi, g. Kuybyshev.
(Railroads)

BOYKO, G.G., inzhener; ~~GARNYK, V.Z.~~, inzhener; CHUBAKOV, I.S., inzhener.

Operation of a boiler with slag-tap furnace in a station with peak
loads. Elek.sta. 27 no.11:53-55 N 156. (MLRA 10:1)
(Boilers)

RUMANIA/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12817

Author : Mihalka, E., Garoiu, F., Voicu

Inst : Not given

Title : A Case of a Tumor of the Thymus in an Infant.

Orig Pub : Pediatria, 1956, 5, No 3, 268-271

Abstract : A female infant was separated from her mother, who had pulmonary tuberculosis, at the moment of birth and fed artificially. At the age of 5 months (4850 g) severe paroxysms of asphyxia appeared with marked dyspnea and cyanosis; they received daily during feedings. Clinical and laboratory studies were within normal limits. Roentgenologically there was a widening of the mediastinal shadow characteristic of tumor of the thymus. A temporary improvement followed X-ray therapy but later

Card 1/2

Card 2/2

SURIANU, O.; MANEA, Stela; GAROIU, M.

Preliminary research on the hydrolyzing action of some
fodders with hydrochloric acid. Studii agr Timisoara 10
no. 2: 297-305 J1-D '63.

AUGUSTIN, M.; DINULESCU, Elena; GAROIU, M.; DRAGUSANU, M.; BELICIU, D.

Changes in the mobilization of free fatty acids after administration of heparin, in relation to age. Stud. cercet. endocr. 16 no.3:299-301 '65.

GAROS, Gyorgy; VARGA, Marton

Foundation problems of land developments with scattered buildings.
Magyar ép ipar ll no.3:117-121 '62.

SERBAN, Al.M.D.; STROE, Emilia; KLEPSCH, Iulia; BUSILA, Eugenia;
GAROIU, M.

Hormonal data in mastopathies. Stud. cercet. endocr.
14 no. 3:399-408 '63.

(BREAST DISEASES) (ESTROGENS)

GAROSS, V. Ya., Cand Agri Sci -- (diss) "Study of the underbrush
in fir-groves ^{in certain forest management} ~~on some collective forests~~ of the Latvian SSR."

Riga, 1957. 31 pp. (Min Agr USSR, Latvian Agr Acad), 150 copies.

(KL, 9-58, 121)

overgrown with goutweed

GAROSS, Ya. P. In Latvian

GAROSS, Ya. P. -- "Content of Mineral Substances in the Potato As A Function of the Soil and Fertilizer." Latvian Agricultural Academy, 1949. In Latvian (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latvviyskoy SSR, No. 9, Sept., 1955

GAROSS, Ya. *P.*

Barberg, K. and Gaross, Ya. "Peat bog mixtures as a fertilizer," *Izvestiya Akad. nauk Latv. SSR*, 1949, No. 2, p. 15-22, (in Latvian, resume in Russian)

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 1., 1949).

GAROSS, YA. P.

Determination of small amounts of ammonium in soils.
J. Gaross. *Latvijas PSR Zinatnu Akad. Vestis* 1953, No. 12
(*Latvian Rev.* 77), 61-4 (Russian summary, 64).—Soil, 5-10
g. (0.025-0.5 mg. NH_4), is mixed with 3% MgO in 10 ml.
water and distd. with steam for 20-5 min. The distillate
is caught in 0.02N H_2SO_4 . The steam is obtained by boiling
0.05-0.08N NaOH soln. The NH_4 is detd. colorimetrically
with Nessler's reagent. Andrew Dravnieks

BAROS, JINIS PHIPPA F.

Mineralmesli un to lietosana. Riga, Latvijas valsts izdevnieciba, 1956. 81 p.
(Mineral fertilizers and their use)

DA Not in DLC

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958

USSR/Soil Science - Organic Fertilizers.

J-4

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39018

Author : Gaross, J.

Inst : -

Title : Survey of New Kinds of Local Fertilizers.

Orig Pub : Pochva i urozhay, Riga 1957, 6, 151-157.

Abstract : Pyrite cinders in portion of 4.5 - 18 g on a container raised the crop of above-ground barley mass by 0.5 - 30.8%, respectively, in vegetative experiments conducted in a neutral clayey soil. The increase in the summer wheat crop on the gypsum quarry tailings amounted to 26.7%. Gypsum increased the yield of clover by 6.3 - 29.1%. Devonian clay on a peat soil (pH 4.92) on the NPK background increased the crop of oats by 23.5%; sea algae (in a dose of 15 g on a container) - by 15. - 20.0%, and in field experiments (dose 25 t/ha) the crop of potato tubers increased by 43.2% and of rye - by 28.4%.

Card 1/2

YUGOSLAVIA

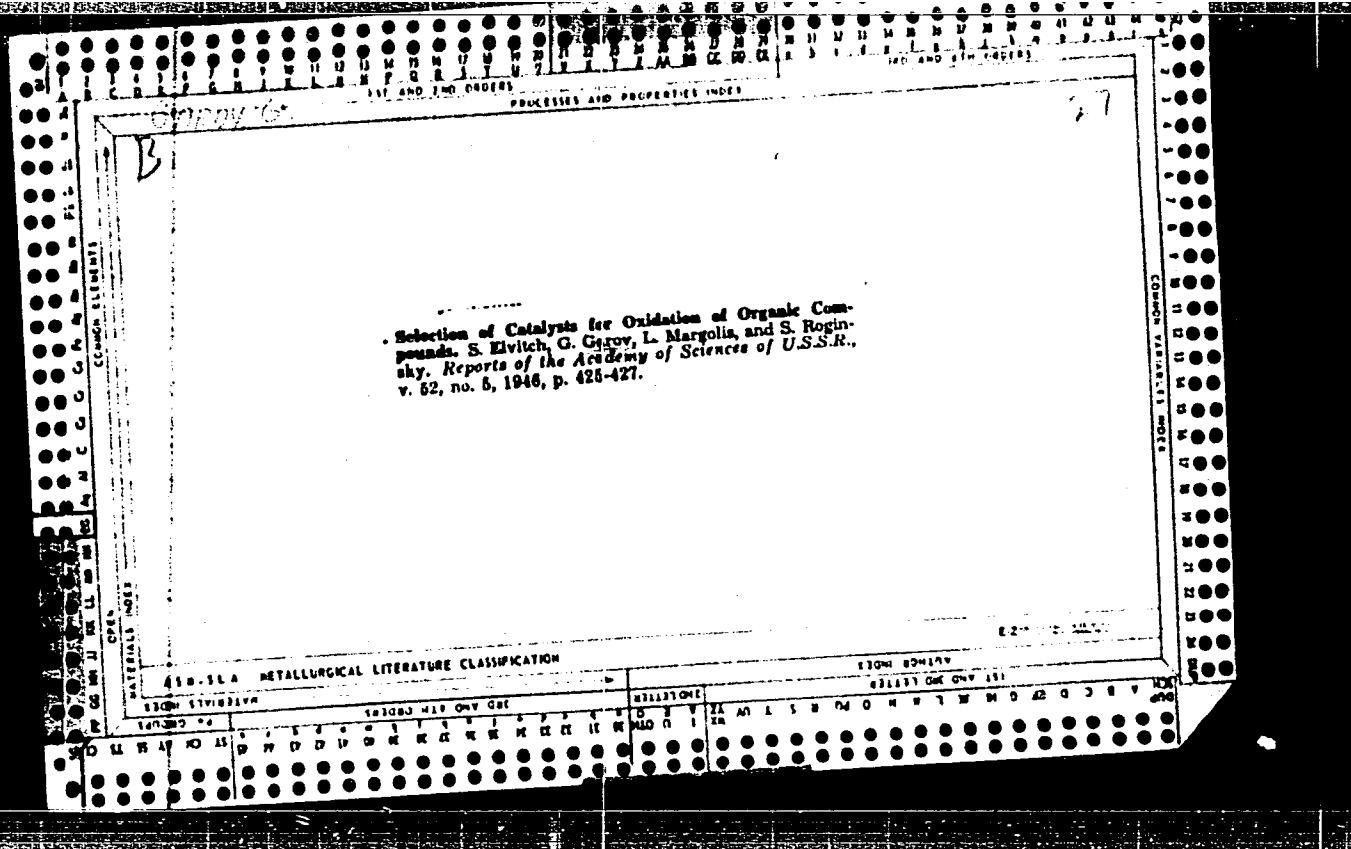
Dr. Dragoslav GAROTIC [Affiliation not given.]

"Dr. Aleksandar R. Todorovic (1901-1962.)"

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 3, Mar 63;
pp 329-330.

Abstract : Brief obituary biography of this Serbian district physician who had a vast number of widely scattered patients; held a number of administrative posts after the war.

1/1



GAROT, V.V., aspirant

Devising plans for making up single-group special destination
trains in the Chinese People's Republic. Vest. TSNII MPS 17
no.6:53-57 S '58. (MIRA 11:11)

1. Vsesoyuznyy tsentral'nyy nauchno-issledovatel'skiy institut
Ministerstva putey soobshcheniya.
(China--Railroads--Making up trains)

GAROVNIKOV, V.I., inzhener, redaktor; PERSON, M.N., tekhnicheskii
redaktor.

[Concrete reinforcement work manual] Rukovodstvo po proizvodstvu
armaturnykh robot. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1951. 126 p.
(MIRA 8:1)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva predpriyatii
mashinostroyeniya.
(Reinforced concrete)

AVAKOV, A.I., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk;
GAROVNIKOV, V.I., inzhener, nauchnyy redaktor; BERDICHEVSKIY, G.I.,
~~kandidat tekhnicheskikh nauk~~, redaktor; SMOL'YAKOVA, M.V., tekhnicheskiiy redaktor

[Cold pressed broken surface bars for reinforced concrete construction] Kholodnosplushchennaia armatura periodicheskogo profilia dlia zhelezobetona. Izd. 2-e, perer. i dop. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 166 p. (MLRA 7:10)
(Reinforced concrete)

GAROVNIKOV, V.I., redaktor; TYAPKIN, B.G., redaktor; TOKER, A.M., redaktor

[Album of designs of stock metal piping scaffolds for masonry and trimming work by the All-Union Scientific-research Institute for Organization and Mechanization of Building Industries] Al'bom chertozhei inventarnykh metallicheskikh trubchatykh lesov konstruksii VNIOMS dlia kamennykh i otdelochnykh rabot. 1955. 75 p. (MLRA 9:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'stva.
(Scaffolding)

ABEZGAUZ, V.D.; GAL'PERIN, M.I.; GAROVNIKOV, V.I., inzhener, redaktor;
KRYUGER, Yu.V., redaktor; VOLKOV, V.S., tekhnicheskij redaktor.

[Vibrator at construction sites] Vibrator na stroikakh. Moskva,
Gos.izd-vo lit-ry po stroit. i arkhiterture, 1955. 79 p.
(Concrete)

KUREK, N.M., kandidat tekhnicheskikh nauk; SOKOLOV, N.M., kandidat tekhnicheskikh nauk; KOPCHUGOV, V.A., kandidat tekhnicheskikh nauk; ZAMORIN, P.K., kandidat tekhnicheskikh nauk; SOROCHAN, Ye.A., inzhener; GAROVNIKOV, V.I., inzhener, nauchnyy redaktor; BEGAK, B.A., redaktor izdatel'stva; GUSEVA, S.S., tekhnicheskiiy redaktor

[Use of precast foundations in building construction] Primenenie sbornyykh fundamentov v stroitel'stve zdaniy. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 77 p. (MLRA 10:1)
(Foundations)

KURBK, Nikolay Mikhaylovich, kandidat tekhnicheskikh nauk; OSTROVSKIY, M.V.,
kandidat tekhnicheskikh nauk; GAROVNIKOV, V.I., inzhener, redaktor;
UDOD, V.Ya., redaktor; MEDVEDEV, L.Ya., tekhnicheskij redaktor.

[Using precast reinforced concrete in the people's democracies]
Primenenie sbornogo zhelezobetona v stranakh narodnoi demokratii.
Moskva, Gos.izd-vo lit-ry po stroit. i arkhitekture, 1956. 241 p.
(Europe, Eastern--Precast concrete) (MIRA 9:6)

NOSENKO, N.Ye., kandidat tekhnicheskikh nauk, laureat Stalinskoy premii;
GAL'PERIN, M.I., kandidat tekhnicheskikh nauk; GAROVHIKOV, V.I.,
inzhener, nauchnyy redaktor; BEGAK, B.A., redaktor izdatel'stva;
VOLKOV, V.S., tekhnicheskiy redaktor.

[Obtaining and working building stones] Dobycha i obrabotka stroitel'nogo kamnia. Moskva, Gos.izd-vo lit-ry po stroit. i arkhitekture, 1956. 317 p. (MIRA 9:6)
(Building stones) (Quarries and quarrying) (Stonecutting)

~~GAROVNIKOV, V.I.~~ nauchnyy redaktor; BEGAK, B.A., redaktor izdatel'stva;
PERSON, M.N., tekhnicheskiiy redaktor

[Collection of designs for stock metal pipe scaffolding elements of the All-Union Scientific-Research Institute for Organization and Mechanization of Building industry used in bricklaying and finishing work] Al'bom chertezhei inventarnykh metallicheskiikh trubchatykh lesov konstruksii VNIOMS dlia kamennykh i otdelochnykh rabot. Izd. 2-oe. Moskva, Gos.izd-vo lit-ry po stroit. i arkhit., 1956. 75 p. (MLRA 10:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'stva
(Scaffolding)

KHOLMYANSKIY, M.M., kand.tekhn.nauk; KOL'NER, V.M., kand.tekhn.nauk;
YUKHVETS, I.A., kand.tekhn.nauk; GAROYAN, V.A., inzh.

Reinforcement made of high-strength wire with a double profile.
Bet.i zhel.-bet. no.6:257-261 Je '61. (MIRA 14:7)
(Concrete reinforcement)

GARFENYUK, N.A., kand.tekhn.nauk

New electrodes for the hard facing of cutting tools. Svar. proizv.
no.3:35-36 Mr '63. (MIRA 16:3)

1. Kiysvskiy politekhnicheskii institut.
(Hard facing) (Electrodes)

GARFF, S.I., inzh.

Calculating bars subjected to bending using the method of limited states, and taking into account the bearing capacity of their fixed ends. Nauch.dokl.shkoly; stroi. no.2:87-96 '58.

(MIRA 12:1)

(Elastic rods and wires)

GARPF, S. I., Cand Tech Sci — (diss) "The Use of Dimensionless characteristics to Determine Elasto-Plastic Alterations During the Bending of Beams," Moscow, 1960, 19 pp, 160 copies (Moscow Engineering Construction Institute im V. V. Kuybyshev, Chair of Resistance of Materials and Theory of Elasticity) (KL, 47/60, 102)

GARPF, S.I. (Karaganda)

Formulas and diagrams for determining elastic displacements in H-beams.
Stroi. mekh. i rasch. soor. 2 no.5:44-48 '60. (MIRA 13:9)
(Girders)

GARPF, S.I., kand.tekhn.nauk, dotsent

Using exponential relation of stresses and deformations in designing bent members beyond elastic limit. Izv.vys.ucheb.zav.; mashinostr. no.8:101-109 '63. (MIRA 16:11)

1. Ukrainskiy institut inzhenerov vodnogo khozyaystva.

GARPINCHENKO, A.,; ZHARINOV, A.

Training on the training grounds. Pozh.delo 6 no.2:14-15
F '60. (MIRA 13:5)

1. Nachal'nik Upravleniya pozharnoy okhrany Tatarskoy ASSR
(for Garpinchenko). 2. Nachal'nik vtorogo otryada pozharnoy
okhrany Tatarskoy ASSR (for Zharinov).

(Fire prevention--Study and teaching)

(Tatar A.S.S.R.--Petroleum industry--Fires and fire prevention)

~~GARPINCHENKO, A.M.~~; GOLUBEV, S.G.; DANILOV, M.V.; KAL'M, A.A.; KALYAYEV,
S.V.; MIKHAYLOV, V.I.; GOLUBEV, S.G.; redaktor; FILATOV, I.G.,
redaktor; VINOKUROVA, Ye.B., redaktor; KONYASHINA, A., tekhnicheskiy
redaktor

[Fire extinction tactics] Pozharnaya taktika. Pod red. S.G.Golubeva.
Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1955.
379 p. (MLRA 8:6)

(Fire extinction)

GARPIGHENKO, A. M

Fires caused by firealarms. Pozh. delo 4 no. 7:14 J1 '58.
(MIRA 11:8)

1. Nachal'nik Upravleniya pozharной okhrany Tatarskoy ASSR.
(Firealarms)

GARPINENKO M.S.

USSR/Thermodynamics - Thermochemistry. Equilibria.
Physical-Chemical Analysis. Phase Transitions.

B-8

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18507

Author : V.P. Kochergin, M.S. Garpinenko, O.N. Skornyakova,
M.Sh. Minullina.

Title : Dissolution of Iron in Melted Chlorides of Alkali and
Alkali Earth Metals.

Orig Pub : Zh. prikl. khimi, 1956, 29, No 4, 566-569

Abstract : Experimental samples of Fe were immersed into melted eutectic mixtures (BaCl_2 and KCl), (CaCl_2 and NaCl) and (MgCl_2 and KCl) and the amount of Fe passed over into the melts at 700° was found by the sample weight decrease and by the analytical determination of Fe contents in the mixed chlorides. The curves of the dissolution speed show that this decrease diminishes at the transition from the eutectic of MgCl_2 and KCl to the eutectic of BaCl_2 and KCl . If the ions of H were eliminated

Card 1/2

- 187 -

CIA-RDP86-00513R00051433

Garpenko, M.S.

11/10 Solubility of iron in fused chlorides of alkali and alkaline earth metals? V. P. Kochergin, M. S. Garpenko, O. N. Skornyakova and M. Sh. Minullina. *J. Appl. Chem. U.S.S.R.* 29, 021-5(1956) (English translation).-- See C.A. 50, 15104b. *B. M. R.*

PM

GARPINICH, I.P.
GARPINICH, I.P., inzh.; MIKHAYLOV, N.M., doktor tekhn.nauk.

Choosing an efficient drier for thorough drying of milled peat.
Torf.prom. 34 no.6:16-20 '57. (MIRA 10:12)

1. Vsesoyuznyy teplotekhnicheskiiy institut im.F.Dzerzhinskogo.
(Peat--Drying) (Drying apparatus)

^P
GARPINICH, I., inzh.

^A
Increasing the productivity of column type grain dryers.
Muk.-elev.prom. 25 no.9:20-21 S '59. (MIRA 12:12)

1. Vsesoyuznyy teplotekhnicheskiiy institut im. F.Dzerzhinskogo.
(Grain--Drying)

(GARRELS, R.M.)

15-57-7-9667

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
pp 135-136 (USSR)

AUTHORS: Makkelvi, V. I., Everkhart, D. L., Garrels, R. M.

TITLE: Review of Hypotheses on the Origin of Uranium Deposits
(Obzor gipotez o genezise uranovykh mestorozhdeniy)

PERIODICAL: V sb: Geol. atom. syr'yevykh materialov. Moscow,
Gosgeoltekhizdat, 1956, pp 25-52

ABSTRACT: The authors examine the basic characteristics of the most important industrial deposits of U and review some problems of their origin. The following groups of deposits are distinguished: 1) uranium-bearing volcanic rock, pegmatites, and migmatites; 2) U in hydrothermal veins and metasomatic deposits; 3) U deposits in sandstones; 4) uranium-containing coal and associated carbonaceous shales; 5) uranium-containing black shales; 6) uranium-containing marine phosphorites.

Card 1/3

15-57-7-9667

Review of Hypotheses on the Origin of Uranium Deposits (Cont.)

The authors note forms of U deposits in uranium-bearing volcanic rock and geochemical conditions of their deposition from the magma. The tendency of U to be concentrated in fusions at late stages of their differentiation is also noted. Three main types of hydrothermal vein deposits are distinguished as follows: 1) nickel-cobalt-silver veins; 2) quartz iron-lead veins; 3) iron-titanium veins. In the opinion of the authors, the U of hydrothermal veins is concentrated from residual solutions of magmatic differentiation, which are rich in silicic acid and alkalis. The following aspects of the hydrothermal process have not been clarified yet: 1) the composition and temperature of the solutions; 2) the correlation of depth and pressure at the place of deposition; 3) the chemistry of sedimentation; 4) structural control at the place of localization of the ore. The authors give their views and a certain amount of factual data on these problems. Ore bodies of the Colorado plateau and Witwatersrand are classed with the sandstone U deposits. Some characteristics of these deposits are mentioned, and the hypotheses of their infiltrational and their hydrothermal origin are outlined. In the Card 2/3

15-57-7-9667

Review of Hypotheses on the Origin of Uranium Deposits (Cont.)

opinion of the authors, U was introduced into the uranium-containing coal after deposition of the host rock, but before its carbonization. The deposition of U in the coal occurred as a result of chemical reaction or adsorption. The source of the U in coal must be determined separately in each case. The U in uranium-containing black shale is usually considered to be syngenetic; however, it is possible that a certain amount of it could have been adsorbed after formation of the rock. Deposition of U in shales occurred, for the most part, biochemically or by adsorption under favorable chemical conditions. In uranium-containing phosphorites, the greater part of the U was possibly attracted by adsorption from the water at the time of deposition of the phosphorites or soon after. The origins of the various types of uranium deposits reflect the basic properties of U. These are chiefly, its great ion radius, multivalence, the solubility of many uranium compounds and the considerable stability of uranium compounds in reducing conditions.

Card 3/3

V. S. Domarev

GARRI, A.; KIRYUKHIN, A.

Forest production line. Znan.sila no.6:4-8 Je '54. (MLRA 7:6)
(Lunaboring)

GARRILESCU CH.

RUMANIA / Chemical Technology. Chemical Products. H
Cellulose and its Derivatives. Paper.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 69402.

Author : Apostol V., Garrilescu Ch.

Inst : Not given.

Title : Adjustment and Maintenance of the "Mono" Instru-
ment Used for the Determination of SO₂ in the
Furnace Stack Gases.

Orig Pub: Celulosa si hirtie, 1958, 7, No 4, 152-154.

Abstract: No abstract.

Card 1/1

111