

STEFANOVIC, Ratimir, inz.

Some views on the problem of fruit-juices storage in Yugoslavia.
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Fe '63.

1. Direktor Centra za prehrambenu industriju, Zemun.

STEPANOVIC, R.C.; ZDRAVKOVIC, A.Z.

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(HEMAGGLUTINATION

Vi hemagglut. test for detection of typhoid carriers)

(TYPHOID FEVER, epidemiol.

carriers, detection, Vi hemagglut, test)

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1. Higijenski institut NRS, Beograd.
(ANTIGENS AND ANTIBODIES
antibodies against Shigella, detection by hemagglut.)
(HEMAGGLUTINATION
in detection of Shigella antibodies)
(SHIGELLA, immunol.
antibody detection by hemagglut.)

STEFANOVIC, RANKO

BRKIC, Dorde.;JEVTIC, Zivojin.;POPOVIC, Srbislav.;STEFANOVIC, Ranko.

Clinical aspects of multiple myeloma. Med. arh., Sarajevo 11
no.3:55-63 May-June '57.

1. II Interna klinika Medicinskog fakulteta u Beogradu. Upravnik:
prof. d-r Dorde Brkic.
(MYELOMA, PLASMA CELL, case reports
Ser))

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N.; PERISIC,V.; GUZINA,D.; ROLOVIC,Z.

Clinical significance of the determination of coagulation
factors. Acta med. iugosl. 13 no.2:164-196 '60.

1. Clinique Medicale A de la Faculte de Medecine de Belgrade
et Centre de la transfusion sanguine de Belgrade.
(BLOOD COAGULATION)

STEFANOVIC, S.

Rapid change with existing domestic hybrids by grafting with domestic European vines. p. 42. SOCIJALISTICKO ZEMJODELSTVO (Društvo no agronomi i zemjodopski tehnicari na NR Makedonia)Skopje, Vol.8 no.4, Apr. 1956

SOURCE: East European Accession Lists (EEAL),
Library of Congress, Vol.5, no. 11, Nov. 1956

СРПРК.10. 2.

Information of work in locomotive repair centers. II. p. 1919.
(TEKNIK, Sci.), no. 11, 1954, Beograd, Yugoslavia)

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Cleaning and checking spark plugs with the "AC plug taster" apparatus. p. 440
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SOURCE: East European Accessions List, (EEAL), Library of Congress,
Vol. 3, No. 12, December 1956

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akad. nauka, odelj med. 211 no.7:133-146 1953

1. Primitljeno na i skupu Odelj. med. nauka od 22 1 1953 god.
(ANEMIA, HYPOCHROMIC, ther.
high-protein diet)
(DIETS
high-protein, ther. of hypochromic anemia)
(PROTEINS
high-protein diet in hypochromic anemia)

STEFANOVIC, S.; RISTIC, M.; SAVIC, N.

The effect of diet rich in protein on erythroplasmatic anaemia.
Bull.Acad.serbe sc., classe med. 11 no.2:121-125 1954.

(ANEMIA, ERYTHROBLASTIC, therapy,
diets rich in proteins)

(DIETS, in various diseases,
anemia, erythroblastic, rich in protein diets)

(PROTEINS, therapeutic use,
anemia, erythroblastic, in diets)

STEFANOVIC, Stanoje, doc. dr.

Hemorrhagic syndromes caused by disorders of the blood coagulation.
Srpski arh. celok. lek. 82 no.6:800-814 June 54.

1. I Interna klinika Medicinskog fakulteta u Beogradu, upravnik
prof. dr. Branislav Stanojevic.
(HEMORRHAGIC DIATHESIS
hemorrh. synd., pathogen.)

MILOJCIC, B: RISTIC, M.: STEFANOVIC, S; PERISIC, B.

Epidemic of infectious hepatitis in a children's hospital. Med.
pregl., Novi Sad 8 no.1:16-24 1955.

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dr. B. Stanojevic; Epidemioloski institut VMA Beograd; Upravnik:
dr. Morelj.

(HEPATITIS, INFECTIOUS, epidemiol.
in child.'s hospi., clin.aspects, ther. & results (Ser))

STEFANOVIC, S., Prof., dr.; PROTIC, D., dr.; STOJICEVIC, J., dr.

Hemolytic changed in malignant tumors. Voj. san. pregl., Beogr.
12 no.7-8:377-382 July-Aug 55.

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(NEOPLASMS, diag.
blood & bone marrow changes (Ser))
(BLOOD, in various dis.
neoplasms, changes, diag. value (Ser))
(BONE MARROW, in various dis.
neoplasms, changes, diag. value (Ser))

STEFANOVIC, S.; MILOSAVLJEVIC, A.

Acute idiopathic thrombocytopenia; case report. Srpski arh.
celok. lek. 83 no. 7-8:840-845 July-Aug 55.

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Upravnik: Branislav Stanojevic.

(BLOOD PLATELETS,
thrombopenia, idiopathic acute, diag. & ther. (Ser))

STEFANOVIC, Stanoje

Castle's intrinsic factor. Srpski arh. celok. lek. 83 no.12:
1488-1490 Dec 55.

(GASTRIC JUICE,
intrinsic factor. (Ser))

STEFANOVIC, Stanoje, Prof., dr., (Beograd)

Treatment of malignant blood diseases. Med. glasn. 10 no.1:
10-15 Jan 56.

(LEUKEMIA, therapy,
(Ser))

(HODGKIN'S DISEASE, therapy,
(Ser))

(LYMPHOSARCOMA, therapy,
(Ser))

STEFANOVIC, S.

~~STEFANOVIC, S.~~ MILOSAVLJEVIC, A.; RUVIDIC, R.; BALOG, B.; GUZINA, D.;
FILIPOVIC, D.

Osteomyeloreticulosis; myeloid metaplasia of the spleen;
myelofibrosis. Lijec. vjes. 78 no.3-4:124-131 Mar-Apr 56.

1. Iz I, III i IV Interne Klinike Medicinskog Fakulteta u
Beogradu.

(ANEMIA, LEUKOERYTHROBLASTIC, case reports
osteosclerosis myelofibrosis (Ser))

MILOSAVLJRVIC, Aleksije; ~~STEFANOVIC, Stanoje~~

Results of the treatment of acute leukemias at the I Internal
Clinic in Belgrade, 1945-56. Srpski arh. celok. lek. 84 no.5:
585-595 May 56.

1. Interna klinika Medicinskog fakulteta u Beogradu. Upravnik:
prof. dr. Branislav Stanojevic.

(LEUKEMIA, therapy,
hosp. report (Ser))

STEFANOVIC, Stanoje; DJURIC, Dusan

Clinical manifestations of essential polyglobulism. Srpski
arh. celok. lek. 84 no.6:714-724 June 56.

1. I Interna klinika Medicinskog fakulteta u Beogradu
Upravnik: prof. dr. Branislav Stanojevic.
(POLYCYTHEMIA VERA,
(Ser))

STEFANOVIC, Stanoje

Blood lipids, arteriosclerosis and thyroid gland. Srpski
arh. celok. lek. 85 no.3:349-351 Mar 57.

(ARTERIOSCLEROSIS, ther.

thyroid gland extract. eff. on blood cholesterol (Ser))

(THYROID GLAND, extract

ther. of arteriosclerosis by lowering of blood
cholesterol (Ser))

(CHOLESTEROL, in blood

in arteriosclerosis, eff. of thyroid gland extract (Ser))

STEFANOVIC, S.

~~STEFANOVIC, Stanoje~~; RADOJICIC, Bozidar; MILOSAVLJEVIC, Aleksije; RUVIDIC, Rajko;
ANTIC, Milovan; TRAJKOVIC, Petar; BUGARSKI, Miodrag; NIKOLIC, Julijana;
VUJICIC, Milomir.

Idiopathic thrombocytopenic purpura; clinical & laboratory data on
87 patients. Srpski arh. celok. lek. 85 no.5:559-587 Mar 57.

1. Interna klinika A Medicinskog fakulteta u Beogradu. Upravnik:
Branislav Stanojevic. Interna klinika B Medicinskog fakulteta u Beogradu.
(Upravnik: Radivoj Berovic. Interna klinika Vojno-medicinske akademije
u Beogradu. Nacelnik: puk. Milan Arsenijevic.

(PURPURA THROMBOPENIC, case reports
idiopathic (Ser))

STEFANOVIC,S.,prof. dr.; PROTIC,D.,dr.; BABIC,D.,dr.,Beograd

Differentiation and classification of malignant lymphomas. Med.
glasn. 13 no.5:305-307 My '59.
(LYMPHOMA)

STEFANOVIC, Stanoje; PROTIC, Desanka; ANOJCIC, Bojana

Treatment of hypochromic anemias by intramuscular injection of iron.
Preliminary observations. Srpski arh. celik. lek. 87 no.7-8:661-
665 J1-Ag '59.

1. Interna klinika A Medicinskog fakulteta u Beogradu, upravnik:
prof. dr Branislav Stanojević.
(ANEMIA HYPOCHROMIC ther.)

STEFANOVIC, S.; MILOSAVLJEVIC, A.; STEFANOVIC, R.; VUKOTIC, D.; PASTRAKULJIC, N.; PERISIC, V.; GUZINA, D.; ROLOVIC, Z.

Clinical significance of the determination of coagulation factors. Acta med. iugosl. 13 no.2:164-196 '60.

1. Clinique Medicale A de la Faculte de Medecine de Belgrade et Centre de la transfusion sanguine de Belgrade.
(BLOOD COAGULATION)

STEFANOVIC, Stanoje

Modern therapy of hepatic insufficiency. Srpski arh. celck. lek. 88
no.3:325-331 Mr '60.

1. Interna klinika A Medicinskog fakulteta Univerziteta u Beogradu.
Upravnik: prof. dr Branislav Stanojevic. Pretsednik Uredivackog
odbora, "Srpski arhiv za celokupno lekarstvo."

(LIVER DISEASE ther)

STEFANOVIC, Stanoje; BABIC, Dusan; VUKICEVIC, Predrag

Treatment of malignant hemopathies and neoplasms with triethylene melamine (TEM). Srpski arh. celok. lek. 88 no.6:613-626 Je '60.

1. Interna klinika A Medicinskog fakulteta Univerziteta u Beogradu.
2. Pretsednik Uredivackog odbora, "Srpski arhiv za celokupno lekarstvo" (for Stefanovic).

(TRIETHYLENE MELAMINE ther)

STEFANOVIC, Stanoje, prof. dr

Indications for transfusion of the blood or its substitutes in
internal medicine. Med. glas. 15 no.6:264-267 Je '61.

1. Interna klinika A Medicinskog fakulteta u Beogradu (Upravnik: prof.
dr B. Stanojevic)

(BLOOD TRANSFUSION) (PLASMA SUBSTITUTES)

~~STEFANOVIC, Stanoja~~; KONECNI, Josii; PENDIC, Smilja; SIMIC, Nada;
PERISIC, Zivka

Refractory hypersideremic anemias. Srpski arh. celok. lek. 89 no.12:
1399-1411 D '61.

1. Interna klinika A Medicinskog fakulteta Univerziteta u Beogradu
Upravnik: prof. dr Branislav Stanojevic Radioloski institut Medicinskog
fakulteta Univerziteta u Beogradu Upravnik: prof. dr Bogoljub
Bosnjakovic.

(ANEMIA HYPERCHROMIC)

STEFANOVIC, Stanoje; DORDEVIC, Slobodan

Founding of the Serbian Medical Association and of its journal,
"Srpski Arhiv za Celokupno Lekarstvo" in 1872. Srpski arh.
celok. lek. 90 no.4:379-384 Ap '62.

(SOCIETIES MEDICAL) (PERIODICALS)
(HISTORY OF MEDICINE XIX CENT)

5

STEFANOVIC, Stanoje; TRAJKOVIC, Petar; TOMIC, Petar

Possibilities of oral therapy of pernicious anemia. Srpski
arh. celok. lek. 90 no.4:393-399 Ap '62.

1. Interna klinika A Medicinskog fakulteta Univerziteta u
Beogradu Upravnik: prof. dr. Branislav Stanojevic.
(ANEMIA PERNICIOUS) (INTRINSIC FACTOR)

S

BABIC, Dusan J.; STEFANOVIC, Stanoje S.

Paratyphoid sepsis associated with agranulocytosis, hepatitis
and spontaneous pneumothorax. Srpski arh. celok. lek. 90
no.6:641-646 Je '62.

1. Interna klinika A Medicinskog fakulteta Univerziteta u
Beogradu Upravnik: prof. dr. Branislav Stanojevic.

(PARATYPHOID FEVERS) (HEPATITIS)
(PNEUMOTHORAX) (AGRANULOCYTOSIS)

NIKOLIC, Bozidar; NIKOLIC, Vladislava; PAVLOVIC-KENTERA, Vera;
STEFANOVIC, Stanoje

Paraproteinemia in malignant reticulosis. Review of the
problem and our experience with 9 cases of multiple myeloma.
Srpski arh. celok. lek. 91 no.4:359-370 Ap '63.

1. Institut za medicinska istrazivanja u Beogradu B. d. direktora:
prof. dr Bozidar S. Dordevic.
(MULTIPLE MYELOMA)
(BLOOD PROTEIN ELECTROPHORESIS)
(BLOOD PROTEIN DISORDERS)

S

STREBANOVIĆ, Stanoje; PROTIĆ-HIUSIĆKA, Desanka

Recent views on the etiology, pathophysiology and clinical aspects
of lymphatic leukemia. Srpski arch. celok. lek. 92 no.3:321-327
Mr. '64.

STEFANOVIĆ, Stanoje; TRAJKOVIC, Petar

Liver function tests. Sryski arh. celok. lek. 92 no.9:879-286
S'64.

1. Interna klinika A Medicinskog fakulteta Univerziteta u
Beogradu (Upravnik: prof. dr. Branislav Stanojevic).

STEFANOVIC, Stanoje; RESTIC, Miloslav

Diagnosis, atherosclerosis and blood coagulation disorders.
Ann. prog. 17 no.12:619-624 '64.

At interna klinika "A" Medicinskog fakulteta Univerziteta u
Beogradu (Upravnik: prof. dr. Dordje Brkic).

STEFANOVIC, Stanoje, prof. dr.

Current views on infectious hepatitis. Med. glas. 19 no.8/9:
199-202 Ag-S '65.

1. Interna klinika A Medicinskog fakulteta Univerziteta u
Beogradu (Upravnik: prof. dr. D. Brkic).

YUGOSLAVIA

STEFANOVIĆ, Stanoje, KONEČNI, Josip, BANIČEVIĆ, Božidar, VELJOVIĆ,
Radoje; Clinic A of Internal Medicine, Medical Faculty, Belgrade University

"Oral Treatment of Pernicious Anemia"

Belgrade, Srpski Arhiv za Tselokupno Lekarstvo, Vol 94, No 6, 1966,
pp 535-540

Abstract: [Authors' English summary modified] The article describes the cases of 12 patients suffering from pernicious anemia who were orally treated with vitamin B¹² and the intrinsic factor (Biofac). The diagnosis was confirmed by clinical, cytological, and biochemical methods, and the oral treatment was the first therapy employed. Total recovery was achieved in 11 out of 12 patients, this being similar to other recoveries obtained by parenteral use of vitamin B¹². The control examinations of the patients speak in favor of the preparations used. The remission of one patient which lasted already 19 months and the experiences obtained in Denmark with Biofac give hopes of the permanent effect of oral treatment of pernicious anemia. The patient who failed to recover even with the parenteral use of vitamin B¹² led to doubts of the existence of a true pernicious anemia. As the patient refused further examination, the proper diagnosis of the disease could not be established. There are 2 Yugoslav and 19 Western references. (Manuscript received, 18 Feb 66.)

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STEFANOVIC, V.

Half-industrial production of L(-) cystine amino acid, p. 652

TEHNIKA (Savez inženjera i tehincara Jugoslavije) Beograd, Yugoslavia.
Vol. 14, no. 4, Apr 1959

Monthly List of East European Accessions EEAI LC, Vol 8, no 6, June 1959
Uncla.

Bibliography.

" Contribution to the knowledge of the Japanese Sophora (Sophora japonica)
. 438, (SLOVENSKI LIST, Vol. 73, No. 9/10, Sept./Oct. 1954, Zagreb,
Yugoslavia)

Soviet Monthly List of East European Occurrences, (Soviet), LC, Vol. 4, No. 4,
Apr 1951, U.S.S.R.

STEFANOVIĆ, V.

Some experiences in the cultivation of pea and bean seed. p. 13.
POLJOPRIVREDA, Beograd, Vol. 3, no. 2, Feb. 1955.

SO: Monthly List of East European Accessions, (EMAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

SURINOVIC, V.

Flowering of new pubescent birches (Betula pubescens Ehrh.) in Bosnia and Herzegovina. p. 72.

IZVODNE SUKNE. (Društvo suvareških inženjera i tehničara Bosne i Hercegovine) Sarajevo, Yugoslavia. Vol. 12, no. 1/2, Jan./Apr. 1958.

Monthly List of the East European Accessions (REI) LC, Vol. 8, no. 4, Aug. 1959.

Incl.

STEFANOVIC, V.

AGRICULTURE

PERIODICAL: MORSKO RIBARSTVO Vol. 12, no. 7/9, July/Sept. 1958

STEFANOVIC, V. Green Douglas fir (Pseudotsuga taxifolia var. viridis Asch. et Graeb) and its culture in Bosnia and Hercegovnia. p. 492

(EEAI)

Monthly List of East European accessions Vol. 12, no 7/9

April 1959 Unclass.

MICOVIC, V. M.; STEFANOVIC, V. D.

Studies on the chemical composition of Yugoslav lichens. Glas priro-
mat SANU 245 no.21:45-52 '61.

1. Faculty of Science, Institute of Chemistry, University of Beograd.

(Yugoslavia—Lichens)

MICOVIC, V.M.; STEFANOVIC, Vladimir D.

Chemical structure of certain Yugoslav lichens. I.
Glas SANU 12 no.2:187-188 '60 [publ.'62].

1. Dopisnik Srpske akademije nauke i umetnosti, Beograd
(for Micovic).

ZHIFANKVIC, Z.

"The hydroelectric power plant Jablanica." p. 76. (ELEKTROTEHNIŠKI VEŠNIK, Vol. 21, no. 3/4, 1953, Ljubljana.)

SC: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

STEFANOVIC, A.

"The 110-kv. distribution station of the hydroelectric plant in Jablanica."
Elektrotehnicki Vestnik, Ljubljana, Vol 22, No 1/2, 1954, p. 12

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

STEFANOVIC, Z.

Cooling water plant of the Jablanica Hydroelectric Station.

p. 223
Vol. 23, no. 7/8, 1955
ELEKTROTEHNIŠKI VESTNIK
Ljubljana

SO: East European Accessions List (EEAL), LC. Vol. 5, no. 2, Feb. 1956

YUGOSLAVIA/Diseases of Farm Animals - Diseases Caused by Bacteria and Fungi. R-2

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50189

Author : Stefanovic, Z.M.

Inst : -

Title : Pseudotuberculosis in Hares.

Orig Pub : Betrin. Glasnik, 1957, 11, No 6, 620-621

Abstract : Pseudotuberculosis in hares was investigated for the first time in Yugoslavia. At autopsy, diffuse cohesive peritonitis, as well as cysticercosis of the liver and pseudomonadaceous tiftitis were revealed. Histological investigations also revealed colliculi of various sizes and ages in the mucosa of the intestines. The newly formed colliculi consisted mainly of epithelial cells, among which Langhans giant cells were found. In the peripheral sections of the colliculi infiltrations were observed consisting of lymphocytes and leukocytes mostly. In older colliculi a

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YUGOSLAVIA/Diseases of Farm Animals - Diseases Caused by
Bacteria and Fungi.

R-2

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50189

considerable degree of calcification was found to be present; their center appeared transformed into a formless necrotic mass. The existing literature denies the presence of giant Langhans cells and of calcification foci in pseudotuberculosis of hares and rabbits. These assertions were nullified by the findings of the author.
-- A.H. Ivanov.

Card 2/2

STEFANOVIĆA, Djordja; KARAKUSEVIĆ, Milice

Junipers communis and its components. Arh. farm., Beogr. 4 no.4:
114-121 Aug 54.

1. Lemski Institut Prirodno-matematičkog fakulteta. Beograd.

(PLANTS

Juniperus communis, chem. components)

KUDRYASHEVA, Z.N.; STEFANOVICH, A.I.

Study of mildew fungi in White Russia. Bot.; issl. Bol. otd. VBO
no. 7: 180-183 '65. (MIRA 18:12)

STEFANOVICH, A. N.

~~SECRET~~
Characteristics of anchor joint installation and performance of large
capacity principal ship engines. Mor.flot 15 no.4:13-15 Ap '55.
(Marine engines) (MIRA 8:5)

~~STEPANOVICH, A.M.~~ ARAKELOV, V.M., nauchnyy red.; VOROB'YEV, G.S., red. izd-va.;
GURDZHIYEVA, A.M., tekhn. red.

[From the "Ernak" to atomic ice breaker] Ot "Ermaka" do atomnogo
ledokola. Leningrad, Ob-vo po rasprostraneniu polit. i nauchn.
znanii RSFSR, 1958. 36 p. (MIRA 11:12)
(Ice-breaking vessels)

STEFANOVICH, Arseniy Nikolayevich; MELEYEV, A.S., red. izd-va; TIKHONOVA,
Ye.A., tekhn.red.

[Icebreakers] Ledokoly. Moskva, Izd-vo "Morskoi transport,"
1958. 98 p. (MIRA 11:6)
(Ice-breaking vessels)

LYSENKO, Vsevolod Konstantinovich. Prinsipal uchastiye STEFANOVICH,
A.N.; MIGACHEV, B.S., red.;

[Atomic power plants for ships] Sudovye atomnye ustanovki.
Moskva, Izd-vo "Morskoi transport," 1963. 305 p.
(MIRA 17:4)

STEFANOVICH, A.Ye., inzh.

Some regularities in crushing rubble by blows.
Avt.dor.i dor.stroi. no.1:116-121 '65.

(MIRA 18:11)

3112
S/057/62/032/005/019/0
B104/B102

240714

AUTHOR: Stefanovich, A. Ye.

TITLE: The instability of an anisotropic plasma

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 32, no. 5, 1962, 638 - 640

TEXT: It is shown that the instability of an anisotropic plasma with respect to transverse perturbations exists even when there is no external magnetic field. Small perturbations $\vec{H}_1 = \vec{H}_0 \exp(i\vec{k}_1 \cdot \vec{x})$ of plasma magnetic field produce in the plasma the current

$$\mathbf{j} = \sum_{\alpha} 2\pi \frac{n_{\alpha} e}{mc} \frac{i\mathbf{k}_1 \times \mathbf{H}_1}{k^2} \int \left(\frac{\partial f_{\alpha}}{\partial v_{\perp}^2} - \frac{\partial f_{\alpha}}{\partial v_{\parallel}^2} \right) v_{\perp}^2 dv_{\perp} dv_{\parallel}$$

$f_0 = f_0(v_{\perp}^2, v_{\parallel}^2)$ is the unperturbed velocity distribution in the plasma. The quantity characterizes the anisotropy of the system. By applying the relation

$$A = 2\pi \int \left(\frac{\partial f_0}{\partial v_{\perp}^2} - \frac{\partial f_0}{\partial v_{\parallel}^2} \right) v_{\perp}^2 dv_{\perp} dv_{\parallel} \quad (1)$$

S/057/62/032/005/019/022
 B104/B102

The instability of an anisotropic...

$\text{curl} \vec{H} = \frac{4\pi}{c} \vec{j}$ it is found that perturbations with k equal to

$k_0 = \frac{1}{c} \left(\sum_{e,i} A \omega_0^2 \right)^{1/2}$ are stationary. For $k < k_0$ the perturbations are unstable.

For a Maxwellian distribution

$$f_0 = \frac{m^{3/2}}{2\pi T_{\perp} (2\pi T_{\parallel})^{1/2}} e^{-\frac{mv_{\perp}^2}{2T_{\perp}} - \frac{mv_{\parallel}^2}{2T_{\parallel}}} \quad (3)$$

with anisotropic temperature distribution there occurs an instability at

$T_{\perp} > T_{\parallel}$ where $k_0 = \frac{1}{c} \left(\sum_{e,i} \frac{T_{\perp} - T_{\parallel}}{T_{\parallel}} \omega_0^2 \right)^{1/2}$. From the dispersion equation

$$c^2 k^2 - \omega^2 - \sum_{e,i} A \omega_0^2 = \sum_{e,i} 2\pi \omega_0^2 \left\{ \frac{\omega}{k} \int \frac{\frac{\partial f_0}{\partial v_{\parallel}^2}}{\omega \pm \omega_H - v_{\parallel}} v_{\perp}^2 dv_{\perp} dv_{\parallel} \mp \frac{\omega_H}{k} \int \frac{\frac{\partial f_0}{\partial v_{\perp}^2} - \frac{\partial f_0}{\partial v_{\parallel}^2}}{\omega \pm \omega_H - v_{\parallel}} v_{\perp}^2 dv_{\perp} dv_{\parallel} \right\} \quad (4)$$

Card 2/3

PLESHKOVA, S.A.; BERENTSVEYG, Yu.M.; OSIPYANTS, L.P.; RATNER, M.M.;
STEFANOVICH, G.P. (Sverdlovsk).

Care of patients suffering from diseases with a protracted
course. Zdrav. Ros. Feder. 7 no.9:16-18 S '63. (MIRA 16:10)

PROCESSES AND PROPERTIES INDEX

Technic of measuring peptization processes in proteolytic media. I. P. Stepanovich. *Doklady Akad. Nauk SSSR* 1968-704 (1968). Collagen is maintained in contact with the peptizing agent for 18 hrs. and the product is treated with 4% NaOAc (65°, 2.5 hrs.). The amt. of gelatin going into soln., as compared with untreated collagen, is a measure of peptizing activity. B. C. A.

METALLURGICAL LITERATURE CLASSIFICATION

Year	Author	Title	Journal	Year	Author	Title	Journal
1968	Stepanovich, I. P.	Technic of measuring peptization processes in proteolytic media	Doklady Akad. Nauk SSSR	1968	Stepanovich, I. P.	Technic of measuring peptization processes in proteolytic media	Doklady Akad. Nauk SSSR

29

Softening hides. I. P. Stefanovich. Russ. 54,205, Nov. 30, 1938. The hides are treated with pepsin in an acid medium and in the presence of NaCl.

A 50-55 A METALLURGICAL LITERATURE CLASSIFICATION

ADMINISTRATIVE INDEX

CROSS REFERENCE

CITATIONS

SYNOPSIS

ABSTRACT

REFERENCES

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SUBJECT INDEX

EDITORIAL NOTE

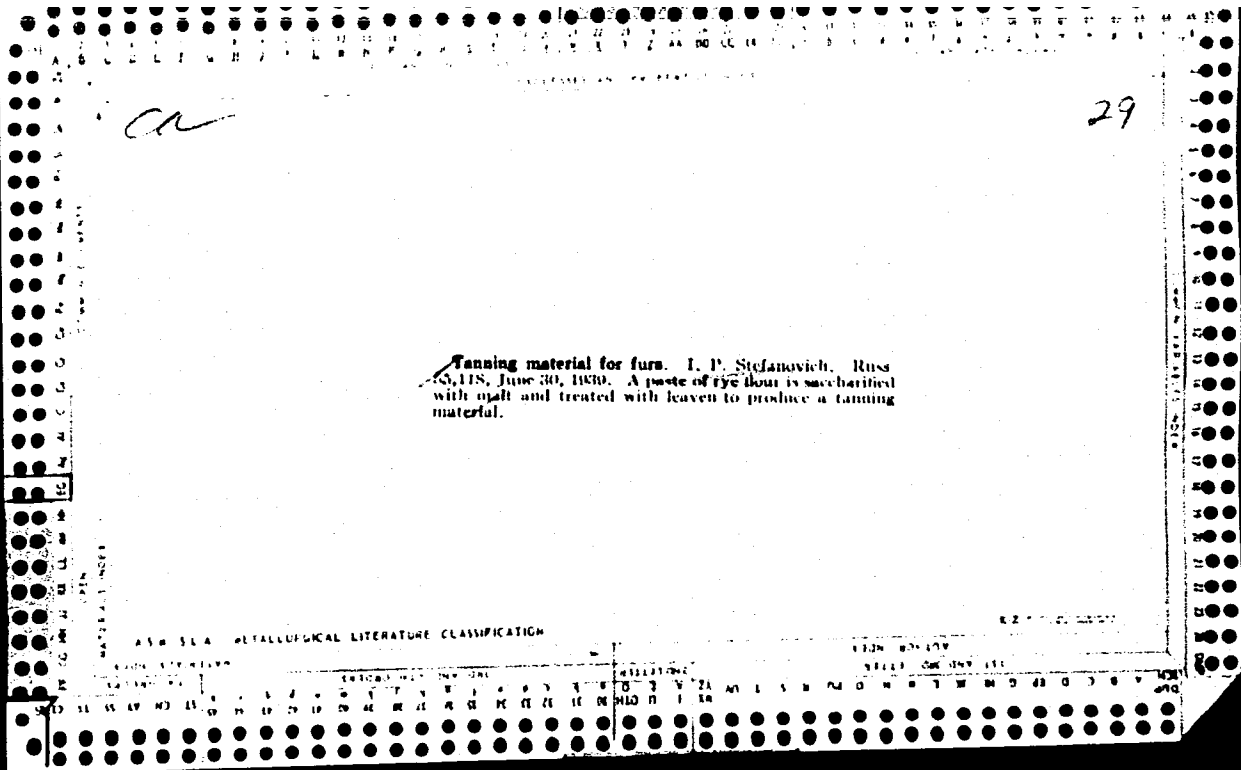
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METALLURGICAL SOCIETY OF AMERICA

Proteolytic enzymes of oats and their effect on fur.
I. P. Stefanovich. *Biochimya* 3, 711-9, 1968. To improve the quality of fur, the best treatment has been to keep the raw hides for 4-5 days at 32° in a vat of oat flour (45%) and NaCl (4.5%). The proteolytic enzyme responsible is very similar to papain. H. Cohen

ASD 554 METALLURGICAL LITERATURE CLASSIFICATION



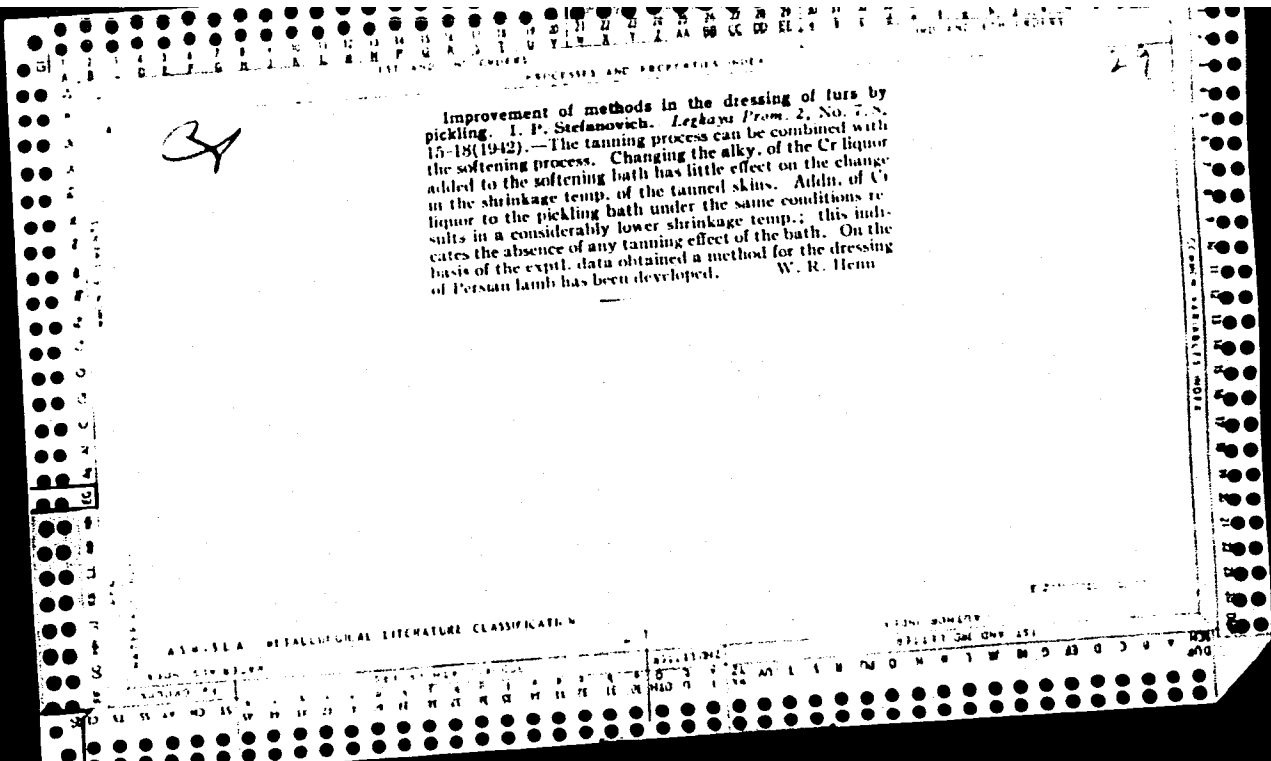
24

ca

Dyeing furn. L. M. Belov, I. P. Stefanovich and P. I. Erubov. Russ. 56,653, March 31, 1960. The dyeing vat contains ursole and α -naphthol.

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

GROUP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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STEFANOVICH, I.P.

[Pickling of skins] Kvashenie mekha. Moscow, Gizlegprom, 1945. 70 p.
(MIRA 6:5)
(Tanning)

STEFANOVICH, I.P.

BARYKIN, Aleksey Mikhaylovich; LAPIDUS, Lev Grigor'yevich; IOSEVA, Nina Leonidovna; TORMOZOVA, L.I., redaktor; NOVIKOV, Ye.M., inzhener, retsenzent; FETISKINA, Ye.I., inzhener, retsenzent; ~~STEFANOVICH, I.P.~~, kandidat tekhnicheskikh nauk, redaktor; EL'KINA, Ye.M., tekhnicheskii redaktor

[Technology of processing fur] Tekhnologiya izdelii iz mekha.
Moskva, Gos.nauchno-tekhn.izd-vo Ministerstva tekstil'noi pro-
myshl. SSSR, 1955. 285 p. (MLRA 9:4)

(Fur)

STEFANOVICH, Igor' Petrovich; PURIM, Yakov Akimovich; MIKHAYLOV, A.N.,
professor, retsenzent; KLOCHKOV, S.A., retsenzent; MINAYEVA, T.M.,
redaktor; POPOVA, T.G., tekhnicheskii redaktor

[Fundamentals of fur technology] Osnovy tekhnologii mekha. Moskva,
Gos.nauchno-tekhn. izd-vo Ministerstva legkoi promyshl. SSSR, 1956.
355 p. (MLRA 10:1)

(Fur)

SENCHUROV, K.T., dots., DANITSKIY, I.N., BULIN, P.P., LEBEDEV, I.M., dots.
SERGEYEV, M.Ye., prof., VOZNYESENSKIY, N.N., dots., SEBKO, S.T.,
STEFANOVICH, I.P., kand.tekhn.nauk., TSEREVITINOV, B.F., red.;
LEVITAN, I.M., red.izd-va., LEVCHUK, K.V., red.izd-va., BRUDCHENKO,
A.M., red.izd-va., LEKANOVA, I.S., tekhn.red.

[Industrial and food products, a commodity guide] Товароведение
promyshlennykh i prodovol'stvennykh tovarov. Moskva, Vneshtorgizdat
Vol.2. 1958. 574 p. (MIRA 11:9)
(Commercial products)

STEFANOVICH, I.P., kand. tekhn. nauk; BESEDIN, A.M., kand. tekhn. nauk

Analysis of the softness of the leather tissue of pelts. Nauch.
issl. trudy NIIMF no.12:76-83 '63.

(MIRA 17:11)

STEFANOVICH, I.P.

New standards for rabbit pelts. Kozh.-shuv. prom. 6 no.1289-11
B '64 (MIRA 1832)

PEREPELKHIN, K.Ye.; UTEVSKIY, L.Ye.; ORLOVA, A.I.; STEPANOVICH, L.P.

Studying the structure of polyvinyl alcohol fibers by the iodine
sorption. Khim.volok, no.5:17-19 '64. (MIRA 17:10)

1. Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta iskusstvennogo volokna.

STEFANOVICH, L.V.; GOVOROV, V.V.

Semiautomatic devices for pasting resins on optical parts.
Opt.-mekh.prom. 25 no.6:38-41 Je '58. (MIRA 11:10)
(Adhesives)

MESHALKIN, Ye.N.; FUKS, B.B.; STEFANOVICH, L.Ye.; SERGIYEVSKIY, V.S.;
KONSTANTINOVA, I.V.; DEVOYNO, L.V.; MEDVEDEV, I.A.

Using proteirase-treated collagenous and elastic "carcasses"
from heterologous material for vascular grafts. Izv. Sib. otd.
AN SSSR no.5:129-132 '62. (MIRA 18:2)

1. Institut eksperimental'noy biologii i meditsiny Sibirskogo
otdeleniya AN SSSR, Novosibirsk.

BERMANICH, L. *Ye*

Role of yeast in increasing the nutritive value of feeding stuffs. p. 169.

BIOLÓGICHESKAYA NAUKA; SEISKOMU I LEONUMU MECHIAISTVU. (Latvijas PSR
Zinatnu akademijs. Bioloģijas zinātņu nodaļa) Rīga, Latvija, No. 3, 1957.

Monthly List of East European Accessions (MEAI), IC, Vol. 8, No. 8,
August 1959.
Uncla.

COUNTRY : USSR
CATEGORY : Farm Animals. Poultry. Q
ABS. JOUR. : RZhBiol., No. 6, 1959, No. 25918
AUTHOR : ~~Stefanovich, L.~~ L. J.
INST. : AS Latvian SSR
TITLE : The Effect of Yeast Containing Feeds upon Growth and Development of Chicks.
ORIG. PUB. : Izv. AN LatvSSR, 1957, No 12, 89-95
ABSTRACT : Two methods of adding yeast to feed were compared: the usual method and a method of intensive aeration by a compressor with ammonia sulfate, as well as the effects of two kinds of yeasts: "fodder" and "baker's" yeast. In the four experimental groups which consisted of 11 chicks each, the chicks were given feed containing yeast from the age of 5 months; the 5th group was the control group (without yeast-containing feeds). The weight gain of chicks

CARD: 1/3

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1959, No.

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : that were fed feed to which yeast had been added by the usual method, amounted to 15 percent, but when the aeration method was employed, it amounted to 33.3-36.8 percent and "fodder" yeast produced better results in any case. The chicks consumed more feed as compared to controls, but in terms of weight gain units yeast-containing feeds are more economical. The content of riboflavin increased in the liver and kidneys of the chicks, especially when aeration was used. In these same organs changes

Card: 2/3

COUNTRY : USSR
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1959, No.

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : of both the quantity of ascorbic acid and the
liver's chemical composition and weight were
not observed. -- V. M. Borovskiy

CARD: 3/3

66

STEFANOVICH, L.Ye., Cand Bio Sci --(diss) "Study of
biochemical processes in ^{the} fermentation ^{of feeds} of feeds."
Riga, 1958, 20 pp ^{with 9 plates} (Acad Sci LaSSR. Inst of Experimental
Medecine) (KL, 39-58, 108)

- 24 -

FUKS, B.B.; KONSTANTINOVA, I.V.; STEFANOVICH, L.Ye.; DEVOYNO, L.V.;
SERGIYEVSKIY, V.S.; FALK, I.G.; MODYAYEV, V.P.

Influence of some factors on the growth and differentiation of the
connective tissue in the regeneration of the cornea, aorta, tendons
and bones in biological frameworks. Dokl. AN SSSR 152 no.5:1260-1262
O '63. (MIRA 16:12)

1. Institut eksperimental'noy biologii i meditsiny Sibirskogo
otdeleniya AN SSSR. Predstavleno akademikom N.N.Anichkovym.

*

FUKS, B.B.; KONSTANTINOVA, I.V.; STEFANOVICH, L.Ye.; LUK'YANOVA, I.G.;
TSYGANKOV, L.I.; KOLAYEVA, S.G.; KRASS, I.M.; VAN'KO, L.V.

Specific biosynthesis of antibodies induced by ribonucleic acid from
the lymphatic nodes and spleen of immune rabbits. Dokl. AN SSSR 153
no.2:485-488 N '63. (MIRA 16:12)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR.
Predstavleno akademikom A.N.Belozerskim.

*

V Influence of pressure on blast travel in blast furnaces.
M. A. Stefanovich (Mining-Met. Inst., Magnitogorsk).
Stal 15, 398-407 (1955). — The pressure drop h of gas stream passing through a blast furnace can be given as $h = l \cdot W^2 P_0 / TH / 2gd \cdot T_0 P$ where l is coefficient of resistance, γ norm. sp. gr. of the gas, P and P_0 actual and standard pressures, W gas velocity, T and T_0 actual and standard gas temp. in K., H height of the charge in m., $g = 9.81$, d linear dimension of the gas stream, ϵ porosity of the charge. The development of this formula is given, and the terms used fully described. The effect of top pressure P_0 on pressure at the tuyere level P_1 can be expressed as $P_1 = \sqrt{(P_0^2 - P_2^2) / (Q_0/Q_1)^2 + P_2^2}$ where P_1 and P_2 are pressures at the tuyere and top levels in conventional operations, Q_0 and Q_1 blast vol. under normal and high top pressures in cubic m., and m experimentally detd. coeff. With an increased P_0 , the difference in pressures in the furnace decreases, while the pressure itself grows, though slower than the P_0 . When the latter is changed from 0.12 to 2.0 atm., the pressure difference drops from 1.23 to 0.64 atm., or 31.4% of the pressure

increase, but blast pressure grows from 1.35 to 2.04 atm. or 68.0% of the P_0 . An increased top pressure moved the CO_2 content towards the center lowering it by 0.2-0.4% at the walls, raised gas temp. by 71.8°, greatly lowered its velocity at the periphery and slightly in the center but did not affect much the difference in pressures across the furnace. Cause and effect of channelling is presented. The slope of charge layers is increased by the supporting effect of gases and increased pressure intensifies the difference in slope of coke and ore layers. The velocity of gases travelling through the charge drops 7.5-9.2 times above it and the size of particles carried by them to decrease 58-85%. Larger particles are cushioned by gases and tend to slide down the slope towards the center of the furnace. When with the normal top pressure gases can float 8.4-42.0-mm. particles, raising it to 0.7 atm. reduces their size to 5.1-27 mm. so that coarser particles can remain at the periphery of the furnace lowering permeability to the blast. With higher top pressures, an increased vol. at the same difference in pressure will be obtained in the upper levels of the furnace. When the top pressure is raised from 0.12 to 0.5 atm., a vol. increase at the tuyere level, in the middle of the furnace, and just below the top of the charge possible for each 0.1-atm. pressure increase will be, resp., 1.8, 2.9, and 4.42%. The same pressure drop between these levels is being retained. How much blast vol. can be increased is defined by the direct and indirect effect of the increased pressure in the crit. zone of the furnace which lies in the stack of furnaces working with fine burden, low coke consumption, and low slag vol. and in the zone of slag formation of furnaces operating on the prepared burden and a high slag ratio.

J. D. Galt

STEFANOVICH, M A.

18(5)

PHASE I BOOK EXPLOITATION

SOV/1247

Dostizheniya domenshchikov Magnitogorskogo metallurgicheskogo kombinata
(Achievements of Blast Furnace Operators of the Magnitogorsk
Metallurgical Combine) Moscow, Metallurgizdat, 1957. 279 p.
3,000 copies printed.

Ed.: Bannykh, A.I., Professor; Ed of Publishing House: Yablonskaya,
L.V.; Tech. Ed.: Attopovich, M.K.

PURPOSE: This book is intended for engineers, foundry foremen, and
personnel in research institutes. It may also be useful to students
and others interested in foundry practice.

COVERAGE: This book deals with achievements of the foundries of the
Magnitogorsk Metallurgical Combine. The processes of preparing
the charge, melting and pouring are described. Improvements in
foundry methods and the theory behind these improvements are presented
with numerous graphs and illustrations. The book is the combined
effort of the following authors: Foreword: Bannykh, A.M. (editor);
Introduction, parts 1 and 2: Bannykh, A.M.; part 3 by

Card 1/6

Achievements of Blast Furnace Operators (Cont.) SCV/1247

Stefanovich, M.A.; Chapter I, part 1 by Dorogobid, G.M.; part 2 by Shitov, I.S.; part 3 by Yakobson, A.P.; Chapter II, part 1, 2, and 3 by Galatnov, A.L.; part 4 by Bannykh, A.M. and Nayasov, A.G.; Chapter III, Galatnov, A.L. and Golchin, V.I.; Chapter IV, parts 1,2,3,4,5 and 6 by Galatnov, A.L.; part 7 by Stefanovich, M.A.; Chapter V by Stefanovich, M.A.; Chapter VI by Babarykin, N.N.; Chapter VII by Shastin, V.A.; Chapter VIII by Gornostayev, V.K. There are 51 references, of which 43 are Soviet, and 8 are English.

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Card 6/6

SOV/137-58-8-16452

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 32 (USSR)

AUTHOR: Stefanovich, M.A.

TITLE: Fundamental Features and Relationships of the Movement of Gases in the Blast Furnace (Osnovnyye kharakteristiki i zavisimosti dvizheniya gazov v domennoy pechi)

PERIODICAL: V sb.: Issled. domennogo protsessa. Moscow, AN SSSR, 1957, pp 111-137

ABSTRACT: Adopted as the fundamental parameters of the current of gas moving through a layer are: the mean speed of the movement of the gas in the intragranular voids and the reduced dimensions of the voids, both calculated on the basis of the determination of the speed of the movement of the gas in an empty shaft, the porosity, and the grain size of the layer of the furnace charge. Experimental data, obtained for various furnace charges, indicate that with an identical distribution of the charge throughout the cross section of the blast furnace the gas current travels more uniformly when the gas flow is turbulent. The relationships of the resistance of the layer of the furnace charge to the flow of the gases with various factors,

Card 1/2

SOV/137-58-8-16452

Fundamental Features and Relationships of the Movement of Gases (cont.)

namely, the grain size of the layer, the flow regime of the gas flow, and the temperatures, pressures, and composition of the gas, are clarified. The pressure losses in the layer of the furnace charge decrease with the blowing out of the fine particles and the formation of passages in the charge. Experiments on the establishment of critical speeds which cause the formation of the passages indicate that this phenomenon takes place during the normal operation of the blast furnace. The loss of pressure in the furnace charge is also affected by the method of the loading of the charge (mixed or separate loading of the ore and coke) and the irregularity in the distribution of the materials over the cross section of the charge hole. Upon the changing over from the separate to the joint charging of the ore and coke either an increase or a decrease in the loss of pressure can occur depending upon the state of the surface and the size of the lumps of the material, and likewise the flow regime of the gas. An uneven distribution of the materials over the cross section of the charge hole decreases the losses of pressure and makes it possible to intensify the operation of the blast furnace. However, an increase in the unevenness of the distribution of the materials over and above an optimum causes a transitional flow of gas in place of the turbulent one. This results in an uneven distribution of the gas current, a deterioration of the utilization of the thermal and chemical energy of the gases, and an increase in the relative consumption of coke for the smelting of the iron.

Card 2/2 1. Gases--Motion 2. Gas flow--Analysis 3. Blast furnaces F.K.
--Performance

Sulfur content, 11/11

137-1958-3-4747

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 40 (USSR)

AUTHORS: Stefanovich, M. A., Kropotov, V. K.

TITLE: Conditions for the Production of Low Sulfur Pig Iron (Usloviya polucheniya chuguna s nizkim sodержaniyem sery)

PERIODICAL: Sb.: nauchn. tr. Magnitogorskiy gorno-metallurg. in-t, 1957, Nr 11, pp 5-33

ABSTRACT: The S content in the pig iron (PI) smelted in the furnaces of the Magnitogorskiy Combine decreased from 0.045 - 0.051 percent in 1951 to 0.036 percent in 1954. This decrease in the S content is attributable to the following factors: an 11-16 percent reduction in the amount of S introduced with the charge (this was accomplished by reducing the coke consumption, removing the Mn-ore from the charge, and reducing the amount of S in crushed ore), and an increase in the coefficient of distribution of S between the PI and the slag (accomplished by increasing the alkalinity of the slag and its temperature and by reducing its amount). Statistical processing of the production data, as well as a study of the peculiarities in the behavior of S under laboratory conditions (distribution of S between the PI and the slag, and the

Card 1/2

137-1958-3-4747

Conditions for the Production of Low Sulfur Pig Iron

viscosity of slag), have demonstrated that PI with a low [S] may be obtained by means of increasing the alkalinity of the slag, and by raising its temperature. In order to reduce the [S] content in open-hearth, low-manganese (approx. 0.2 percent Mn) PI, to 0.03 - 0.035 percent, it is recommended that the $\text{CaO}:\text{SiO}_2$ ratio in the slag be increased to 1.12 - 1.13, and that the MgO content be raised to 8-9 percent. It is pointed out that the process of desulfurization of PI is facilitated if the $\text{CaO}:\text{SiO}_2$ ratio in the fluxed sinter is constant.

M. O.

Card 2/2

PHASE I BOOK EXPLOITATION

SOV/4685

Stefanovich, Mikhail Aleksandrovich

Analiz khoda domennogo protsessa (Analysis of the Run of a Blast-Furnace Process)
Sverdlovsk, Metallurgizdat, Sverdlovskoye otd-niye, 1960. 286 p. Errata slip
inserted. 2,200 copies printed.

Reviewer: V.G. Manchinskiy; Ed.: S.K. Trekalo; Ed. of Publishing House: M.L.
Kryzhova; Tech. Ed.: R.M. Matlyuk.

PURPOSE: This book is intended for production engineers, scientific workers, and
students in schools of higher education.

COVERAGE: The book presents results of an investigation carried out by the author
at the Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical
Combine) during the period 1946-56. The book includes a discussion of phe-
nomena indicative of the information on the smelting process, the interrelation-
ship between the passages of charge and gases and the heat-exchange process, and
the reduction of iron and slag formation. On the basis of data obtained from
the investigation the author outlines principles for the efficient preparation

~~Card 1/5~~

STEFANOVICH, M.A., kand.tekhn.nauk, dots.

Hanging of the charge when using an oxygen-enriched blow.
Stal' 20 no.8:680-683 Ag '60. (MIRA 13:7)

1. Magnitogorskiy gorno-metallurgicheskiy institut.
(Blast furnaces--Equipment and supplies)

STEFANOVICH, M.A.; SHPARBER, L.Ya.; BOGDANOV, V.V.

Reducing effect of gases in blast furnace stacks. Stal' 22
no.8:687-692 Ag '62. (MIRA 15:7)

1. Magnitogorskiy gorno-metallurgicheskiy institut i
Magnitogorskiy metallurgicheskiy kombinat.
(Blast furnaces)
(Gases)

LEPIKHIN, L.A., inzh.; Primali uchastiye: STEFANOVICH, M.A., doktor tekhn.nauk; BABARYKIN, N.N., kand.tekhn.nauk; NEYASOV, A.G., kand.tekhn.nauk; SHPARBER, L.Ya., inzh.; BOGDANOV, V.V., inzh.; ZHARKOV, P.N., master pechi; PANIN, O.G., master pechi; FEDOTOV, V.G., master pechi; FEOFANOV, N.M., master pechi; SAGAYDAK, I.I., inzh., rukovoditel'raboty

Evaluating the effect of various methods of charging a blast furnace on the state of the gas flow in its upper part. Stal' 23 no. 3:198-204 Mr '64. (MIRA 17:5)

1. Magnitogorskiy metallurgicheskiy kombinat (for Lepikhin).

KOPYRIN, I.A.; OSTROUKHOV, M.Ya.; STEFANOVICH, M.A.; BORTS, Yu.M.; SAGAYDAK,
I.I.; SHPARBER, L.Ya.; VOLKOV, Yu.P.

Heat balance of smelting with a low slag yield for the Magnitogorsk
blast furnace. Izv.vys.ucheb.zav.; chern. met. 8 no.4:45-52 '65.
(MIRA 18:4)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii,
Magnitogorskiy metallurgicheskiy kombinat i Magnitogorskiy
gornometallurgicheskiy institut.

STEFANOVICH, N. N.

AID P - 653

Subject : USSR/Electricity
Card 1/1 Pub. 27 - 22/34
Authors : Greysukh, M. V., Eng., Rozental', A. M., Eng., and
Stefanovich, N. N., Eng.
Title : The need to expand the field of application of synchronous
motors. (Discussion)
Periodical : Elektrichestvo, 9, 86-88, S 1954
Abstract : The authors discuss the reasons for and the fields of
possible expansion in the application of synchronous
motors and comment upon the resulting advantages.
2 diagrams.
Institution : Tyazhpromelektroproyekt (Probably: Electric Projects
for Heavy Industry)
Submitted : No date

STEFANOVICH, N.N.

Behavior of some lines of rare earths on the sun's disk.
Izv.Krym.astrofiz.obser. 17:191-198 '57. (MIRA 13:4)
(Spectrum, Solar)

STEFANOVICH, N.N.

Investigating the interference--polarization filter at the
Kuchino Observatory of the Shternberg State Astronomical
Institute. Soch. GAISH no. 107:48-53 '60. (MIRA 14:3)
(Light filters)