

VASYUTINSKIY, V.

Harmful duplication. Vest.prom.i khud.promys. 3 no.7:29  
Jl '62. (MIRA 15:8)

1. Glavnyy inzh. Uzhgorodskogo oblastnogo upravleniya bytovogo  
obslyzhivaniya naseleniya.  
(Uzhgorod--Service industries)

VASYUTINSKIY, Yu. P.; SHAGOYAN, F. S.

Growing vitamin-rich feeds by hydroponics. Zemledelie 24  
no.12:45-53 D '62. (MIRA 16:1)

1. Moldavskiy nauchno-issledovatel'skiy institut zhiivotno-  
vodstva i veterinarii.

(Feeds) (Moldavia—Hydroponics)

VASYUTKINA, T.I.; YURCHENKO, V.M.

Investigating ferrite cores in quasi-static conditions. Trudy  
Inst. Kom.stand.mer i izm. prib no.64:191-196 '62. (MIRA 16:5)  
(Ferrites--Magnetic properties) (Magnetic measurements)

VASYUTKOV, V.Ya.

Gangrene of the scrotum. Vest.khir.no.1:140-142'63. (MIRA 16:7)

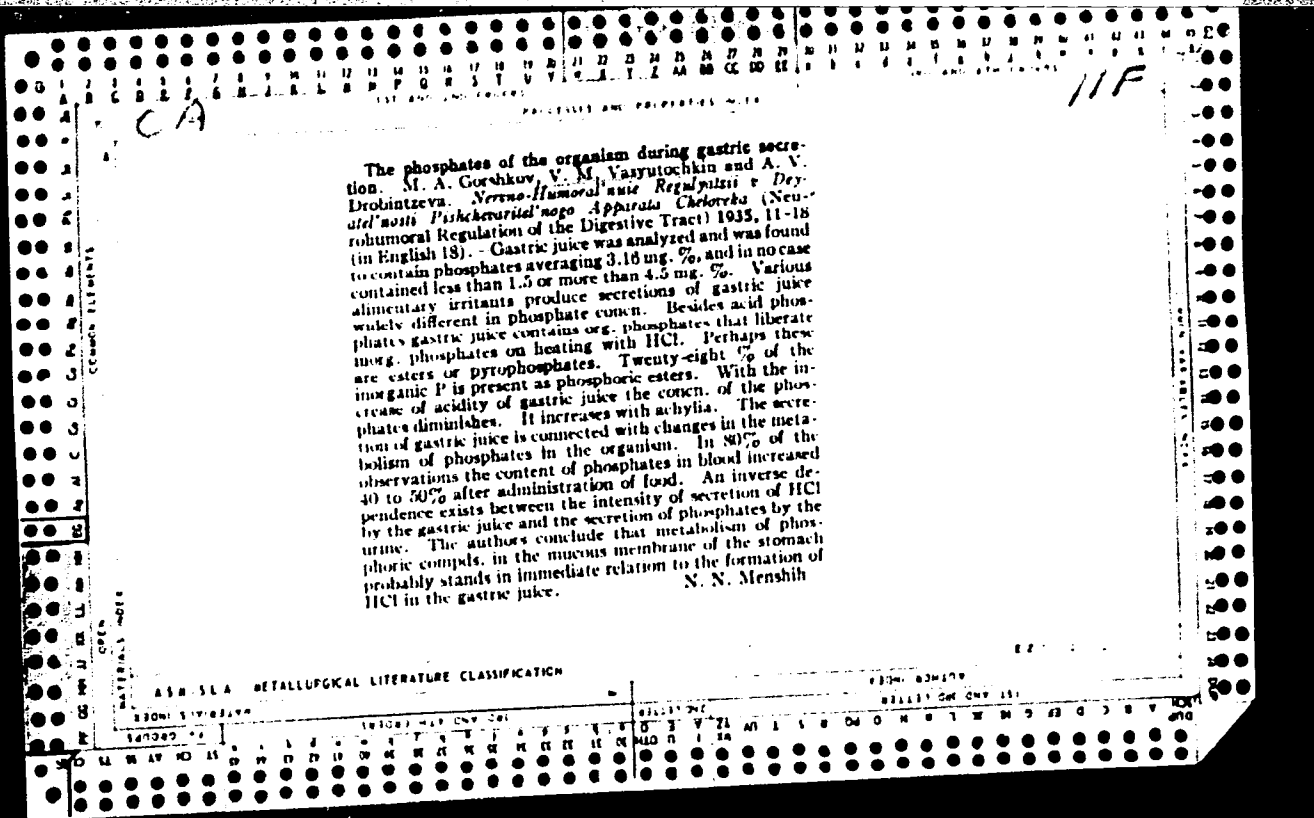
1. Iz khirurgicheskogo otdeleniya (zav. Ya.S.Meyerzon) Shchekin-  
skoy gorodskoy bol'nitsy No.1. (glavnyy vrach -K.V.Khaitova)  
(SCROTUM—DISEASES) (GANGRENE)

VASYUTOVYKH, S.K.

Bones - Tuberculosis

I.P. Pavlov's theory as applied to the treatment of tuberculosis of bones in sanatoria. Vop. pediat. i okhr. mat. i det., 19, No. 6, 1951.

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



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CA

PROCESSING AND PROPERTIES OF

The chemistry of the pancreatic juice of man. V. M. Vasyutichkin and A. V. Drobitsinzeva. *Nervno-Hormonal'naya Regulatsiya i Deyatel'nost' Pishchevaritel'nogo Apparata Cheloveka* (Neurohumoral Regulation of the Digestive Tract) 1935, 39-45 (in English 45-46). Pancreatic juice obtained with a fistula of the pancreatic duct was analyzed with the following results: pH 7.8 to 8.4, alk. reserve (0) to 80 cc. (expressed as cc. CO<sub>2</sub> per 100 cc. of the juice), Ca 4.1 to 18.4 mg. % av., P 1.8 to 3.8 mg. % av., Cl ion 440 to 560 mg. % av., N (total) 2.4 mg. % (corresponding to 1.52% protein), uric acid 1.4 mg. %, and urea 27 to 50 mg. %. Upon introduction of NaHCO<sub>3</sub> in the duodenum the pH of the pancreatic juice increased to 8.0. Introduction of HCl and Na<sub>2</sub>HPO<sub>4</sub> did not affect the pH. Amylase, trypsin, lipase, lactase and maltase are present in the juice. The concentration of different enzymes has been shown to be dependent on the character of the diet, e. g., the content of lipase increases with a fat diet, amylase with a carbohydrate diet, and that of trypsin with a meat diet. N. N. M.

METALLURGICAL LITERATURE CLASSIFICATION

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**CA**

PROCESSES AND PROPERTIES INDEX

*The chemistry of the gastric mucous membrane.* V. M. Vasyutochkina, A. V. Drobnatzeva and M. I. Agulova

*Neuro-Humoral'naia Regulyatsii v Deyatel'nosti Pishchevareitel'nogo Apparata Cheloveka (Neurohumoral Regulation of the Digestive Tract) 1935, II, 106-14 (in English 114-15).--Gastric mucosa were obtained immediately after operation, fixed in liquid air to avoid any further possible reactions in the mucous membranes and then analyzed. The values of various substances in mg. % are given for the mucosa of man, dog, cat and pig, resp.: orthophosphates 13.9, 19.3, 28.0, 8.7; pyrophosphates 7.3, 6.2, 3.0, 1.5; creatinephosphoric acid 0.0, 2.9, 0.91, 0.64; lactacidogen 23.0, 25.3, 55.2, 19.1; chlorides 357, 330, 307, 195. The gastric mucosa of pig showed a higher content of phosphates and chlorides in the fundus of the stomach than in the cardiac end. An increased amt. of chlorides was observed in the fundus of the stomach with increase of secretions. Other parts of the stomach showed no change. The content of lactacidogen dephosphates increases and the content of lactacidogen decreases with the increase in secretion. Analysis of the gastric juice showed the presence of creatinephosphoric acid, orthophosphates, pyrophosphates and lactacidogen. The authors conclude that there is a close resemblance between the processes developing in glandular tissue and those occurring in muscular action. N. N. Menshib*

ASS-5LA METALLURGICAL LITERATURE CLASSIFICATION

INDEX NUMBER

DATE

REVISION

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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



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Chemical changes in the organism of man following chronic loss of pancreatic juice. V. M. Yasyutskhin and A. V. Drobitzeva. *Nervno-Humoral'noye Regulyatsii v Deyatel'nosti Pishchevaritel'nogo Apparata Cheloveka* (Neurohumoral Regulation of the Digestive Tract) 1933, 47-53 (in English 54).—Analysis of the blood of a patient who constantly lost 200-250 ml. of pancreatic juice per day through a fistula in the abdominal wall gave the following results: Alk. reserve of blood plasma is 36.05% CO<sub>2</sub>, Ca 8.8 mg. %, Inorg. P in blood 4.3 mg. %, chlorides in whole blood 518 mg. %. When loss of the juice was reduced, the alk. reserve of the blood was increased by 33%. Only very considerable doses of bicarbonate produced a slight increase in the alk. reserve of the blood plasma. The p<sub>H</sub> of the urine varied from 5.2 to 5.00. The total amount of acids secreted during 24 hrs. was within the normal limits. The authors conclude that the acidosis is due solely to the defect of alkalis and not to the excessive formation of acids. Large doses of sugar given to the patient constantly losing pancreatic juice do not produce any abnormalities in the sugar content of blood. N. N. M.

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

USSR/Biology - Physiology VASYUTOCHKIN, V. M.

FD-2273

Card 1/2 Pub 33-4/18

Author : Bykov, K. M. and Vasyutochkin, V. M., Leningrad

Title : On the biochemical substrate of nerve trophism

Periodical : Fiziol. zhur. 40, 555-565, Sep-Oct 1954

Abstract : On the assumption that the process of cell respiration is the fundamental biochemical substrate of nerve trophism, investigated the nature of nerve trophism by studying the effect of physiological, pharmaceutical, and pathogenic factors on the anaerobic and aerobic phases of cell respiration in the brain, liver, kidneys, heart, and muscles, in vivo, of animals. The above-mentioned factors include the following: vitamins D, E, and B complex; chilling; heating; lowered atmospheric pressure; elevated O<sub>2</sub> pressure; elevated O<sub>2</sub> pressure + vitamin B complex; penicillin; streptomycin; sulfathiazole; sulfadiazine; scarlet fever toxin; experimental myocarditis; experimental hepatitis; wound trauma; burn shock; transplant; adrenalin + sympatol; and sympatolytin. For characteristics of anaerobic phase, the activity of succinhydrase was determined by speed of reduction of methylene blue. For characteristics of aerobic phase, the activity of cytochromoxidase

FD-2273

Card 2/2

was determined by rate of formation of indophenol blue. States experiments on above were conducted at the Department of Biochemistry of the Naval Medical Academy. Tables. Thirteen references, all USSR (all since 1940).

Institution: --

Submitted : May 3, 1954

VASYUTOCHKIN, V.M.

ROZENGART, V.I.

"Biochemical substrate of nerve nutrition." K.M.Bykov, V.M.  
Vasiutochkin. Reviewed by V.I.Rozengart. Biokhimiia, 20 no.3:  
398 My-Je '55. (MLRA 8:10)  
(NERVES) (NUTRITION) (BYKOV, K.M.)

VASYUTOCHKIN, V. M.,

✓ Biochemistry of experimental gastritis in light of cortico-visceral connections. V. M. Vasyutchnik, A. V. Drobinseva, O. N. Borovikova, Z. N. Lebedeva, and O. A. Goryacheva. *Fiziol. Zhur. S.S.S.R.* 42, 192-202(1956).—Exptl. gastritis in cats lowers the reducing and oxidizing ability of the mucous membranes of the stomach (tests with decolorization of methylene blue and with formation of indophenol blue); acid phosphatase also declines as do free and bound vitamin B<sub>1</sub> and nicotinic acid. In normal animals carbocholine enhances the anoxidative link in cell respiration of the gastric lining, while adrenaline or sympatol has no effect. Block of parasympathetic innervation with atropine represses cellular respiration (mainly the aerobic part), while sympatolitin, which blocks the sympathetic innervation, causes an increase in the aerobic respiration. Both of these drugs repress considerably the biochem. shifts listed above in exptl. gastritis. Group B vitamins greatly increase the vol. and acidity of gastric juice, and restore the oxidation-reduction reactions of gastric lining. G. M. Kosolapoff

VASYUTOCHKIN, V.M., prof., polkovnik meditsinskoy sluzhby

Physiobiochemical principles of rational nutrition in states of  
neuropsychic tension. Voen.-med.zhur. no.7:50-56 J1 '59.  
(MIRA 12:11)

(STRESS)  
(NUTRITION)

VASYUTOCHKIN, V.M., prof.

Reviews. Sov. med. 28 no.10:156-157 0 '65.

(MIRA 18:11)

PRUS'YAN, L. (g.Leningrad); MOSHCHUK, I.; VASYUTOVICH, V.

The first brigades of communist labor. Sots.trud 4 no.3:105-113  
Mr '59. (MIRA 12:4)

1. Chlen prezidiuma Nauchno-tekhnicheskogo otdela zheleznodorozh-  
nikov (for Moshchuk). 2. Nachal'nik otdela dorozhnykh gazet  
Transheldorisdata (for Vasyutovich).  
(Labor productivity)



MOSHCHUK, I.; VASYUTOVICH, V.

In the struggle for technological progress and increase of labor productivity. Sots.trud 5 no.1:115-120 Ja '60. (MIRA 13:6)  
(Railroads--Labor productivity)  
(Work councils)

BRATCHIK, Yefim Isaakovich; VASYUTOVICH, Vasil'yevich;  
ARSKIY, F.N., retsenzent; KHOREV, B.S., retsenzent;  
PREOBRAZHENSKIY, V.I., red.; USENKO, L.A., tekhn. red.

[Moscow-Brest; railroad guide] Moskva - Brest; zheleznodorozhnyi putevoditel'. Moskva, Trenszheldorizdat, 1962.  
134 p. (MIRA 15:7)  
(Railroads--Handbooks, manuals, etc.)

MOSHCHUK, I.; VASYUTOVICH, V.

Public participation is a vital force of communism. Sots.trud  
7 no.3:109-116 Mr '62. (MIRA 15:3)  
(Railroads--Management)

VASZARY Istvan, szig. orvos; GLAZ, Ervin, dr.

Sensitivity of *Pseudomonas aeruginosa* strains isolated from pathological fluids to nalidixic acid and some antibacterial agents. Orv. hetil. 106 no.34:1595-1598 22 Aug 65.

1. Budapesti Orvostudományi Egyetem, Gyógyszertani Intézet (igazgató: Knoll, József, dr.).

VASZARY, Pal

Mechanical methods of integration. Musz elet 16 no.7:7 Mr '61.  
(EEAI 10:6)

(Hungary--Industrial management)

VASZARY, Pal

Mechanical methods of integration. Musz elet 16 no.25:10 D '61.

VASZARY, Pal

Adhesion between the railroad railhead and the wheel track rim.  
Jarmu mezo gep 10 no.2:41-48 F '63.

1. MAV Palyafenntartasi Fonokseg fomernoke, Veszprem.

VASZILLEVITS, L.

Some examples selected at random from designs presented for building regulations.  
p.VIII

MAGYAR EPITOIPAR, (Epitoipari Tudományos Egyesület)  
Budapest, Hungary  
Vol. 8, no.9, Sept. 1959

Monthly List of East European Accessions (EEAI) IC., Vol. 8, no.12, Dec. 1959  
Uncl.



VASZILIEVITS-SOMJEN, Laszlo, dr.

Code of Investments. Epites szemle 5 no.6:175-180 '61.

1. Epitesugyi Miniszterium Varosepitesi Tervezo Vallalat jogtanacsosa.

VASZILIJ, KUTZ

HUNGARY/Analysis of Organic Substances.

G-3

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 19679.

Author : Vaszilij Kutz.

Inst :

Title : Determination of Methoxyl Groups in Pectine.

Orig Pub : Elem. ipar, 1956, 10, No 1, 17-20.

Abstract : The quantitative method of determination of methoxyl groups in pectine is based on the determination of methyl alcohol produced from methoxyl groups, by the fuchsin sulfuric acid. This method is better applicable than the alkali-potassium permanganate method.

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\*VASZILY, Gyorgy

Relationship between the development of vacuum technique industry  
and that of electric power production. Ujit lap 14 no.16:5-7  
25 Ag '62.

1. Egyesult Izzolampa es Villamosagi Gyar fomernoke.

3251

S/194/62/000/003/028/038  
D256/D301

9.4110

AUTHORS: Kerekes, Béla and Vaszily, György

TITLE: Electron tube grid and a method of its fabrication

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 3, 1962, abstract 3-3-54k (Veng. pat., kl. 21g,  
12-16, no. 147575, 1.10.60)

TEXT: The performance of electron tube grids improves if they are coated with soot or blackened by any other treatment. It is proposed to coat the wire used for manufacturing the grids with a dark-grey layer of aluminum a few microns thick containing an admixture of magnesium. The latter evaporates under heating in vacuum and serves as a getter. The molybdenum grid wire is drawn through molten aluminum or through an alloy of aluminum with magnesium. The grids are then treated thermally to achieve a dark-grey surface; this can be done separately or after mounting the grids in the electron tube. [Abstracter's note: Complete translation.]

Card 1/1

VASZKO, Mihaly

Relationship between man and machines. Mezogazd techn 1 no.6:12-13  
'61.

VASZKO, Mihaly

Man and machine. Mezogazd techn 1 no.11:10-11 '61.

VASZKO, Mihaly

Job evaluation of agricultural workers on the basis of complex work analysis. 'funka szemle 5 no.9:20-27 3 '61.

VASZKO, Mihaly (Budapest)

Agricultural machines and man. Term tud kozl 6 no.9:401-405  
S '62.

1. Tudomanyos munkatars.



VASZKO, Mihaly

Agricultural machines and man. II. Term tud kozl 6 no.12:562-565 D '62.

1. Tudomanyok munkatars, Budapest.

VASZKO, Mihaly

Ergonomical bases of designing tractors. Jarmu mezo gep  
9 no.5:163-174 My '62.

1. Magyar Tudomanyos Akademia Gyermeklelektani Intezete  
tudomanyos munkatarsa.

VASEKO, Milal'

Agricultural mechanization and work psychology. *Muzka*  
szemle 7 no. 7:12-14. 31'63.

VASZKO, Mihaly

Noise control on the basis of experience obtained in  
agriculture. Munka szemle 7 no.8:24-28 Ag'63.

VASZKO, Mihaly

Ergonomical investigation of agricultural machinery, Pt.1.  
Jarmu mezo gep ll.no.1:2-12 Ja'64.

1. Magyar Tudomanyos Akademia Gyermeklelektani Intezete tudomanyos osztalyvezetoje.

VASZKO, Mihaly

Ergonomical testing of agricultural machines. Pt. 2.  
Jarmu mezo gep 11 no. 2: 41-51 F '64.

HUNGARY

VASZKO, Mihaly, Institute for Psychology at the Hungarian Academy of Sciences (Magyar Tudományos Akadémia Pszichológiai Intézete)[location not given](Director: BARTHA, Lajos, Dr., Candidate of Psychological Sciences).

"Ergonomical Investigation of the Operator's Position in Agricultural Machines"

Budapest, Magyar Pszichológiai Szemle, Vol 23, No 1-2, 1966, pp 108-122.

Abstract: The anthropometric data for adult males were compiled in all configurations required for the operation of agricultural machines such as tractors and the data were applied to the proper design of the operating position in the machine. Criteria on the basis of which the location of the operator's seat, the configuration of the operator's seat, the position of the operating levers, and the position of the operating pedals can be established were described. The aim was to calculate the proper angles, operational resistances of the levers and pedals, directions of lever and pedal motion, and the configuration of the various controls to facilitate easy learning of the operations involved. 19 references, including 1 German, 3 Hungarian, and 15 Western.

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VASZKO, Sandor

Membership drive at the Beloiannisz Telecommunication Factory.  
Munka 4 no.11s27 N'54

1. Vasas Szakszervezet.



VASZKO, Sandor

All workers belong to trade unions. Munka 5 no.9:60 S '55.

1. Vasas Szakszervezet.

VISZKO, Sandor

"To participate in the life of a factory"; the work of the  
production committee of the Beloiannis Telecommunication  
Factory. Munka 13 no.12:12-13 D'63.

1. Beloiannis Híradástechnikai Gyar szakszervezeti bizottsága  
termelési bizottságának vezetője.

VAS-ZOLTAN, Peter

Cooperation among the socialist countries in the field of scientific research and organization. Magy tud 70 no.8: 536-544 Ag '63.

1. Magyar Tudományos Akadémia Nemzetközi Kapcsolatok Osztályának vezetője.

MIKUSIK, Arpad; VASZKO, Sandor; ELEKES, Zsigmond

What is being done for the success of the export? Munka 14 no.4:  
15-16 Ap '64.

1. Editor, "Vasas" (for Mikusik). 2. Head, Trade Union Production  
Committee, Beloiannis Telecommunication Factory, Budapest (for  
Vazko). 3. Head, Trade Union Production Committee, Telephone  
Factory, Budapest (for Elekes).

VATAN, A.

USSR/Cosmochemistry - Geochemistry. Hydrochemistry.

D.

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 30415

Author : ~~Vatan, A.~~

Inst :

Title : Recent Advances in Sedimentology and Its Application to  
Prospecting for Petroleum

Orig Pub : Sb. 4-y Mezhdunar. neft. kongress, M., Gostoptekhizdat,  
1956, 10-22

Abst : A review.  
Bibliography 128 references.

Card 1/1

RUMEL Angel, prof.; BOS Nicolae; KISS, Arpad, asist.; MADARAS, Ioan,  
asist.; VATASAN, Nina, asist.

Regarding the size of the atmospheric refraction coefficient  
K and the precision of the trigonometric leveling at great  
distances. re. geodezie 8 no.4:28-41 '64.

VATA, P

Fall planting; how to fulfill our task as fast as possible. p. 5.

Vol. 9, no. 9, Sept. 1955  
PER BUJESINE SOCIALISTE  
Tirane, Albania

So: East European Accession Vol. 5, No. 4, April 1956

VATA, P.

New veterinary technique, p. 39, PFR BUJQESINE SOCIALISTE, (Ministrie e Bujqesise) Tirane. Vol. 10, No. 6, June 1956

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 5, No. 12, December 1956



VATAGIN, A.V., prof.

Fertilizer application to millet. Sbor.nauch.trud. Ivan.sel'khoz.  
inst. no.16:124-135 '58. (MIRA 13:11)  
(Millet--Fertilizers and manures)

VATAGIN, A. V.

The effect of fertilizers under conditions existing in the lower Volga Valley Saratov,  
Nizhnevolzhskoe kraevoe izi., 1933. 64 p. Biblioteka dlia agronoma i chitatelya  
vyssei kvalifikatsii

VATAGIN, A.V. prof.

D.N. Prianishnikov, founder of Soviet agricultural chemistry.  
Sbor. nauch. trud. Ivan. sel'khoz. inst. no.21:3-22 163

Green manure as an important means for increasing farm plant  
yield in turf-Podzolic soils of Ivanovo Province. Ibid.:23-45  
(MIRA 18:5)

SOLTINSKIY, Vladimir Petrovich [Soltyns'kyi, V.P.], agronom; VATAGIN, S.V.  
[Vatahin, S.V.], agronom, otv. red.; GURENKO, V.A. [Hurenko, V.A.],  
red.; MATVIICHUK, O.A., tekhn. red.

[Strong wheats in the Ukraine] Syl'ni pshenytsi na Ukraini. Kyiv,  
1961. 51 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh  
znan' Ukrainsk'koi RSR. Ser.5, no.10) (MIRA 14:11)  
(Ukraine--Wheat)

VATAGIN, V.

India Moskva, Gos. izd-vo, 1922. 14 p.

KOROLEV, V.M., SHINGAREV, R.V., VATAGIN, Yu.M.

Conversion of sizing machines to gas. *Izv. vys. ucheb. zav.; tekhn.*  
tekst.prom. no.3;86-91 '60. (MIRA 13:7)

1. Ivanovskiy tekstil'nyy institut im. M. V. Franse.  
(Sizing (Textile)) (Textile machinery)

ILLES, Ferenc; ~~VATAI, Endre~~

Punched card system of the more important properties of  
radioactive nuclides. Energia es atom 16 no.1:43-44 Ja '63.

ILLES, Ferenc; VATAI, Endre

Punch-card system of the more important properties of radioactive  
nuclides. ATOMKI kozl 4. no.1:45-49 My '62.



VATAI, Endre

Capture of planetary electrons from various atomic shells.  
Fez szemle 13 no.9:264-271 S '63.

1. Magyar Tudományos Akadémia Atommag Kutató Intézete, Debrecen.

BERENYI, Lajos, Jr., KATZ, János, SCHUBERT, Viktor; [illegible]

Tests on the decay constant of  $^{56}\text{Fe}$ . *Atomi Energi 6. 11. 1964.*  
103-104.

1. Editorial Board Member, "ATOMI Kozlonyek" (for Berenyi).

CSILLAG, Miklos, dr.; AVAR, Zoltan, dr.; VATAI, Margit, dr.

Differentiation of adrenocortical from ovarian hypertrichosis and virulism. Orv. hetil. 103 no.28:1302-1305 15 JI '62.

1. Budapesti Orvostudományi Egyetem, II. Nőgyógyászati Klinika és XIII. ker. Tanács Robert Karoly koruti kórhaza, II. Beszterce.  
(ADRENOCORTICAL SYNDROME diag) (OVARIES dis)  
(HYPERTRICHOSIS diag)

Summary

VATAI, Margit, M.D., VIKARI, J. J., M.D., District of Health 15  
7.E. Robert Karolyi Children's Hospital, II. Medical School, Budapest  
1111, Hungary, VIKARI, J. J., M.D., Faculty of Medicine, II. Medical  
and Medical University of Budapest, II. Orthopedic Clinic (Hand-  
and Orthopedic Surgery), II. University of Medicine.

"The Significance of Functional Tests in the Diagnosis of the Cervical  
Ligament Lesions."

Journal of Spinal Health, Vol. 10, No. 2, 20 Feb 1983, pages 11-15.

Abstract: [Authors: Hungarian surgery] The authors describe a series  
of cases of cervical ligament lesions and the functional (enhancement and loss  
of) ligament tests conducted and presence of cervical-ligament syndrome.  
For any condition the diagnosis, some improvement was seen after  
the other direction of ligament, ligament replacement.

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BOIADZHIEV, B. (Plovdiv); VATAKHOV, K. (Plovdiv)

Unification in the dimensioning of physical quantities.  
Mat i fiz Bulg 7 no. 1: 10-13 Ja-F '64.

CSILLAG, Miklos, dr.; BRAUN, Pal, dr.; GEDEON, Andras, dr.; FEHER, G. Katalin;  
VATAI, Margit, dr.

The ratio of various steroids in the urine of obese female  
patients following ACTH stimulation. Orv. hetil. 106 no.41:  
1940-1942 10 0 '65.

1. Budapesti Orvostudományi Egyetem, II. Női Klinika (igazgató:  
Zoltan, Imre, dr.) és XIII. ker. Tanács, Robert Karoly koruti  
Kórház, II. Belosztály (feorvos: Braun, Pal, dr.).

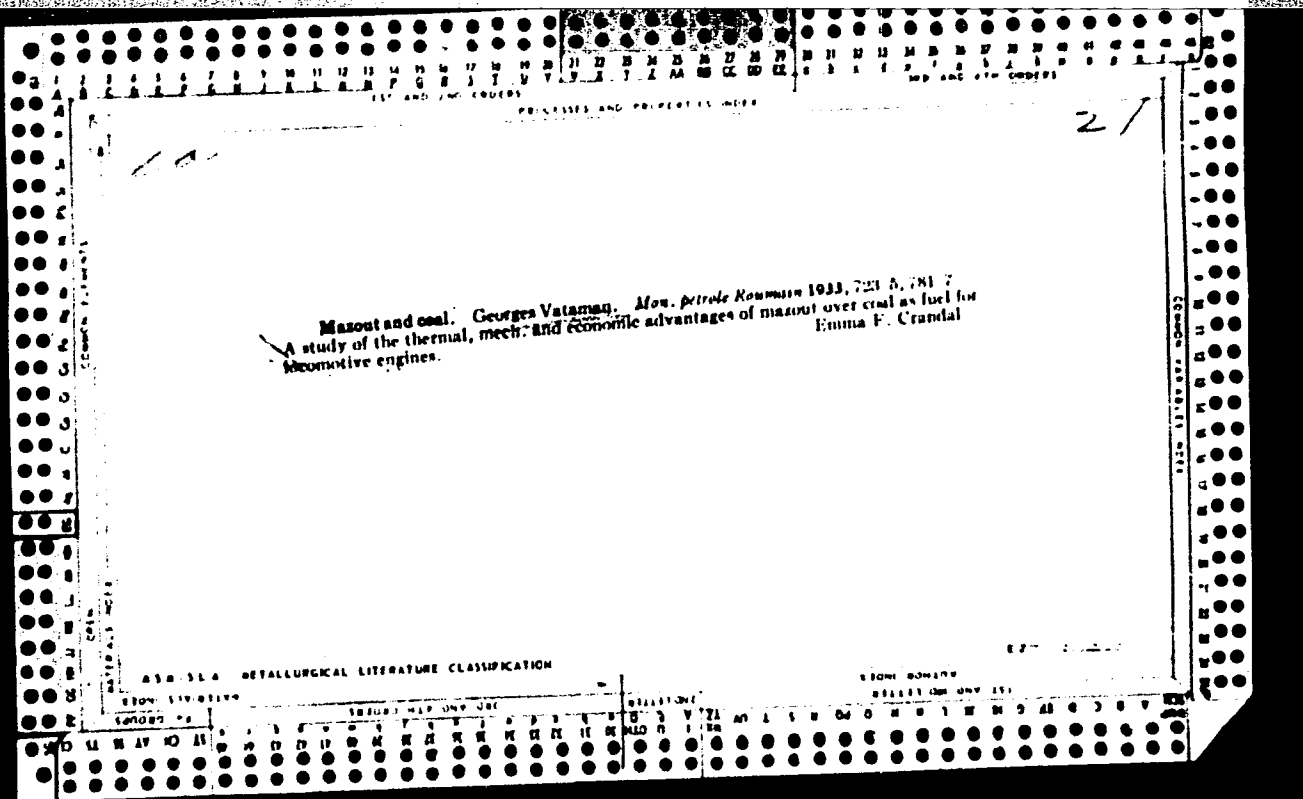
VATALIN, A.Kh.

History of microchemical analysis in Russia. Soob.o nauk.rab.chl.  
VKHO no.1:30-33 '54. (MIRA 10:10)  
(Microchemistry--History)

VATANANU, C., Ing.

Devise for screwing and unscrewing the APR-2 pipes for the oil industry. Petrol si gaze 15 no.3:124-127 Mr '64.





10/10/11

VAYMANU, N., MD.

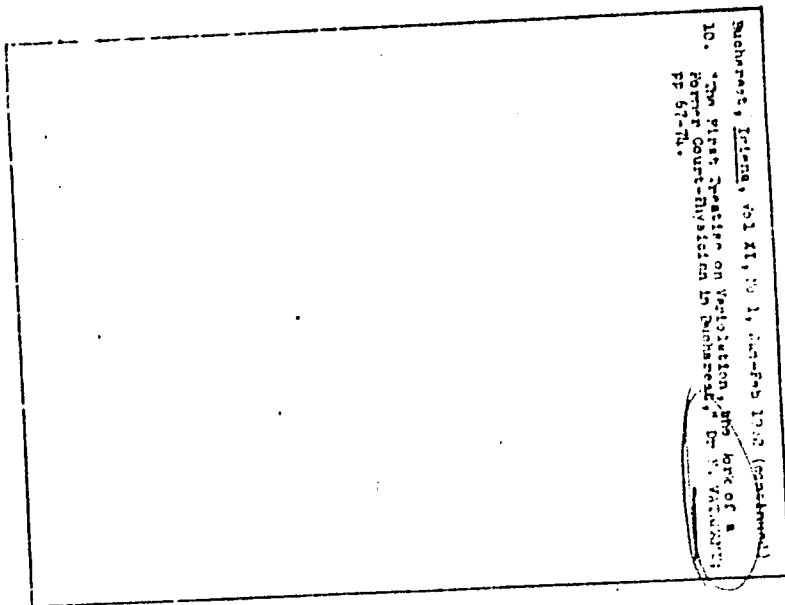
Bucharest, Istina, Vol XII, No 1, Jan-Feb 63, pp 79-84

"The Beginnings of Military Sanitary Organization in the  
Armenian Principality at the End of the Seventeenth Century."

(1)

UATAMANU, W.

— 2/2 —



Shohrest, Jirong, Vol. XI, No. 1, 1975, p. 10. (Continued)  
10. "The first section on Vegetation, and part of a  
former Court-Mission in Pakistan," Dr. V. V. Vaidyanathan,  
pp. 67-74.

(1)

15-57-7-9778  
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,  
p 153 (USSR)

AUTHOR: Vatan, A

TITLE: New Achievments of Sedimentology and its Use in  
Petroleum Exploration (Noveyshiye uspekhi v oblasti  
sedimentologii i yeye primeneniye k poiskam nefti)

PERIODICAL: V sb: 4-y Mezhdunar. neft. kongress, Vol 1, Moscow,  
Gostoptekhizdat, 1956, pp 10-22

ABSTRACT: The present article gives a review of recent studies  
of present-day sedimentation and of earlier published  
material on sedimentation of older deposits. The lack  
of coordination of physical and chemical research with  
geological research is noted.

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G. A. Gladysheva

VATAN, M. B.

ANDREYEV, B.A., inzhener (Odessa); VATAN, M.B., inzhener (Odessa).

Modernization of offset plate graving machines. Poligr.proizv.  
no.3:21-22 My-Je '54. (MLRA 7:8)  
(Printing machinery and supplies)

SHIKHIYEV, I.A.; VATANKHA, A.A.; RZAYEVA, S.A.; GUSEYNZADE, B.M.

Synthesis and transformations of oxygen-containing organic and  
organosilicon compounds. Azerb. khim. zhur. no.5:27-30 '64.  
(MIRA 18:3)

SHIKHIYEV, I.A.; VATANKHA, A.A.; GUSEYNZADE, B.M.

Synthesis and transformations of oxygen-containing organic and organosilicon compounds. Part 24: Synthesis and transformations of acetylenic formals. Zhur. ob. khim. 35 no.5:812-814 My '65. (MIRA 18:6)

1. Institut neftekhimicheskikh protsessov Akademii nauk Azerbaydzhanskoy SSR.

L 04550-67 EWT(m)/EWP(j) RM  
ACC NR: AP6025991

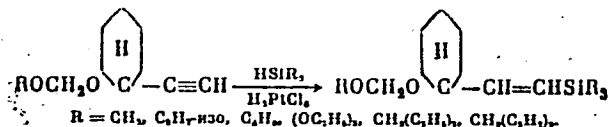
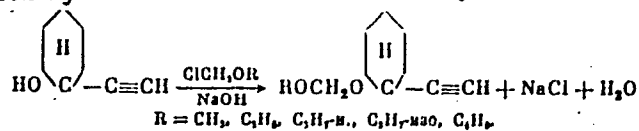
SOURCE CODE: UR/0079/66/036/007/1293/1295

AUTHOR: Shikhiyev, I. A.; Vatankha, A. A.; Guseyn-zade, B. M.ORG: Institute of Petrochemical Processes, Academy of Sciences Azerbaydzhan SSR  
(Institut neftekhimicheskikh protsessov Akademii nauk Azerbaydzhanskoy SSR)TITLE: Synthesis of acetylenic formals and their reactions with hydrosilanes

SOURCE: Zhurnal obshchey khimii, v. 36, no. 7, 1966, 1293-1295

TOPIC TAGS: organosilicon compound, organic synthesis

ABSTRACT: The purpose of this investigation was to compare the reactivity of certain acetylenic hydrosilane derivatives. Synthesis of acetylenic cyclohexylformals and their reactions with hydrosilanes were conducted by the following scheme:



Card 1/3

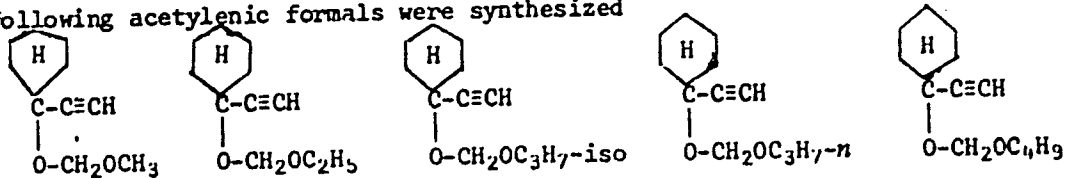
UDC: 547.362+547.245



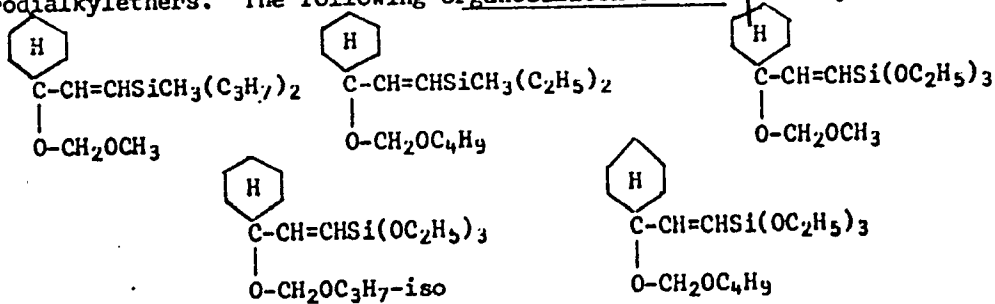
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ACC NR: AP6025991

The following acetylenic formals were synthesized



using acetylenecyclohexanol in absolute ether, sodium hydroxide and corresponding α-chlorodialkylethers. The following organosilicon formals were synthesized



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L 04550-67  
ACC NR: AP6025991

using alkoxymethyl ether of acetylenecyclohexanol and trialkoxysilane with Speier catalyst. A summary table shows the boiling point, refractive index, density, molar refraction and elemental analysis for the above compounds. The five acetylenic organosilicon cyclohexyl formals have been synthesized and characterized for the first time. Orig. art. has: 1 table.

SUB CODE: 07/      SUBM DATE: 27Apr65/      ORIG REF: 001/      OTH REF: 001

Card 3/3 *plw*

VATANOV, Liuben, inzh.

Special hot-rolled steel profiles (extrusion profiles).  
Tekhnika Bulg 13 no.20:16-20 '64.

VATAN'YAK, A. M.

Conditions governing the accumulation of Lower-Cretaceous sedi-  
ments in northern Afghanistan. Izv. vya. ucheb. zav., ser. 1  
gaz. 8 no. 4:9-11 '65. (MIRA 18:5)

1. Azerbaydzhanskiy institut nefti i khimii im. N. Aznekhova.

VATAN'YAR, A.K.B.

Preliminary hydrochemical characterization of the waters in the lower Cretaceous sediments of northern Afghanistan in connection with their oil and gas potential. Izv. vys. ucheb. zav.; neft' i gaz 8 no.6:16-18 1955. (MIRA 18:7)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

VATAPETOV, B.A.; KUZYMENKO, Ye.S.; SUDOKOV, A.D.

Method of graphic registration of movements of the uterine horn  
in continuous experiments; cutaneous uterine bridge. *Fiziol. zh. SSSR*  
39 no.6:738-740 Nov-Dec 1953. (GIML 25:5)

1. Ukrainian Institute of Experimental Endocrinology, Khar'kov.

VATASAN, C.

Devices for a better measurement of locomotive underframes by means of lines. p. 36

REVISTA CARILOR TRAFIC. (Galle Terate Technic) Bucuresti, Romania; Vol. 7, no. 1,  
Jan. 1959

Monthly List of East European Accessions (SEAL) IC Vol. 1, no. 9, <sup>Sept.</sup> 1959

Uncl.

VATASAN, O.

Nomograms for the calculation of helicoidal, cylindrical springs, with a circular section. p. 654.

REVISTA CAILOR FERATE. (Caile Ferate Romine) Bucuresti, Rumania.  
Vol. 6. no. 12, Dec. 1958.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959

Uncl.



VATASAN, O., Conf. ing.

Metrological problems at the 8th Session of the Circle  
of Scientific Students of the Polytechnic Institute in  
Brasov. Metrologia apl 9 no. 4:149-150 J1-Ag '62.

VATASAN, O., conf. ing.

Devices to facilitate the statistical control in production.  
Metrologia apl 9 no.5:193-195 S-0 '62.

VATASAN, O.

New devices for the measurement of dimensions and roughness. p. 110

REVISTA CALOR FERATE. (Cale Ferate Romine) Bucuresti, Rumania. Vol. 7, no.2,  
Feb. 1959.

Monthly List of East European Accessions (EEAI) 10, Vol. 8, no. 9, Sept. 1959

Uncl.

15(5)

RUM/2-11-4-5/44

AUTHOR: Wătăşan, Cvidiu, Engineer, (Oraşul Stalin)

TITLE: Lubrication With Gases (Ungere cu gaze)

PERIODICAL: Ştiinţă şi Tehnică, Seria a II-a, Vol 11, Nr 4,  
pp 8 - 9 (RUM)

ABSTRACT: During the last few years, use of air and gases as "lubricating" materials has gained importance in mechanical engineering, especially on devices with very high revolutions. The author describes the principle of air lubrication, mentions the advantages and disadvantages and gives some figures with regard to the most reliable operation. There are 10 sketches and one drawing. ✓

Card 1/1

VATASHEVA, K.

"Combined Treatment of Sepsis in Newborn Infants." Tr. from the Russian p. 74  
(ANALELE ROMANO-SOVIETICE. SERIA PEDIATRIE. Series a III-a v. 6, no. 5, Sept./  
Oct. 1953, Bucuresti, Rumania)

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 4, April 1954

RUMANIA/Virology - Viruses of Man and Animals.  
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23886

Author : Balmas, G., Mitroiu, O., Marinescu, G., Vatasescu, A.,  
Duvan, X.

Inst : -

Title : The Significance of Virus-Bacteria Agglutination Reaction  
for Early Diagnosis of Epidemic Hepatitis

Orig Pub : Studii so cercetari inframicrobiol., microbiol. si  
parazitol., 1957, 8, No 4, 539-549

Abstract : No abstract.

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- 33 -

L 45524-65

ACCESSION NR: AP5014651

RU/0005/64/008/006/0248/0252

AUTHOR: Vatarescu, Anton (Engineer)

TITLE: High-performance stabilized rectifier with transistors

SOURCE: Telecommunicatii v. 8, no. 6, 1964, 248-252

TOPIC TAGS: voltage stabilizer, transistor

ABSTRACT: (Author's English summary modified): Some general formulae are presented for estimating the performance of transistorized voltage stabilizers, and such a stabilizer was actually built. The results are presented in the form of tables, figures, formulas and a graph.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EE, EC

NO REF SOV: 002

OTHER: 002

JPRS

Card 1/16

PETRESCU GOMAN, V., conf.; MANICATIDE, E.T.; PAUN, Florica; VATASESCU BUTUCEA, Lucia; BUSULENGA, Carmen; VILCU BOJINCA, Ioana

Considerations on the treatment of pleuropulmonary staphylococci in children. Microbiologia (Bucur) 6 no.1:35-36 Ja-F '61.

1. Clinica de pediatrie a Spitalului de copii "Gr. Alexandrescu", Bucuresti.

\*



VATASOIU, B.

"1,800,000-lei revenue from special contracts."

p. 7 (Drumul Belsugului) No. 10, Oct. 1957  
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

10.70

1/19/79/000/01/002/001  
E10/E101

AUTHOR: Vatashin, A.E. (Moscow)

TITLE: Fusion of a Plate Surrounded with Supersonic or High Temperature Gas Flow

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1979, Nr 6, pp 7-13 (USSR)

ABSTRACT: Problems taking into account the possibility of phase transformations in the solid body are of interest in connection with the protection of bodies exposed to high speed flow. The equations of motion in the region of the boundary layers, the region of the liquid phase and the equations of heat conductivity in the solid body must be examined simultaneously. With a sufficiently large latent heat of fusion (sublimation) and small values of the coefficient of heat conductivity, when the larger part of the heat absorbed by the surface of the body is spent in the process of changing the state of the material, the heat conductivity in the solid body can be ignored. At first, this assumption is made in the present paper when examining the problem of the fusion of a semi-infinite plate on the assumption that the rate of the products of

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Fusion of a Plate Surrounded with Supersonic or High Temperature Gas Flow

the density and the kinematic viscosity of the liquid and in the gas is a large value. It is assumed that the heat flow to the surface is completely used for fusion and that the penetration of the molten mass into the molten layer is similar to the plowing of a liquid through a solid boundary. The equations of motion, of continuity and of energy are set up for the gas and liquid boundary layers and the boundary conditions are formulated at the solid surface, the surface of separation between liquid and gas, and the limiting surface of the gas boundary layer. These express the continuity of viscous friction and of the heat flow, the absence of mass exchange through the separation surface, the equality of temperatures in the two layers at the separation surface, and the equality of the velocity components along this surface. The two latter conditions have been discussed by Sheroy, G.G. (Izv. AN SSSR OTN, 1954, Nr 12). After a substitution of variables and an evaluation of the constant parameters (for example, applied to a steel surface), the boundary layer equations are solved by expansion into series.

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Fusion of a Plate Surrounded with Supersonic or High Temperature Gas Flow

The product of the density and the viscosity of the molten phase is an important criterion. The effect of the molten layer is inversely proportional to the square root of this product. For example, when this product is large, the friction coefficient is lower than the classical Blasius solution. When the above product is relatively small, the friction coefficient and the heat flow to the solid surface substantially depend on the actual flow in the molten layer. The solutions are further generalized by inclusion of the case when part of the heat flow supplied to the fusion front is conducted into the solid body. The example of a plate is treated, where the plate has a finite thickness and its lower surface has its temperature maintained constant in time. Generally, it is assumed that the rate of fusion along a given length is equal to the difference between the inflow and outflow of heat across this length divided by the latent heat of fusion. These assumptions modify some of the boundary conditions. The earlier solutions are somewhat changed, though the method

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E191/E181

Fusion of a Plate Surrounded with Supersonic or High Temperature  
Gas Flow

remains the same. The rate of advance of the fusion  
front and the variation of the solid plate thickness  
are evaluated.

There are 2 figures and 4 Soviet references.

SUBMITTED: June 11, 1959

Card 4/4

VATAZHIN, A. B.

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S/040/60/024/03/10/020  
C 111/ C 333

10.2000 (A)

AUTHOR: Vatazhin, A. B. (Moscow)

TITLE: On the Flow in a Diffuser in Presence of a Magnetic Field

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol. 24, No. 3,  
pp. 524-529

TEXT: The author considers the stationary plane flow of a viscous incompressible fluid in the magnetic field H. Let r,  $\theta$  be polar coordinates,  $\nu$ ,  $\nu_m$  kinematic and magnetic viscosities. Let the flow depend on the parameters  $q_1, \dots, q_n$  with the dimensions

$$[q_i] = L^{p_i} T^{q_i} .$$

The sought magnitudes  $v_r, v_\theta$  etc. can be expressed in the frame of similitude mechanics by five functions  $f, \varphi, \psi, \beta, F$  which do not depend on r under the assumption that  $p_1 + 2q_1 = 0$ . If the expressions

$$v_r = \frac{\nu}{r} f, v_\theta = \frac{\nu}{r} \varphi$$

etc. are substituted into the equations of magneto-hydrodynamics! then it follows

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 C 111/ C 333

On the Flow in a Diffuser in Presence of a Magnetic Field

$$(1.5) \quad f'' - \varphi_0 f' + f^2 + 4f + \beta_0 \psi' - \psi^2 + \varphi_0^2 - 2C = 0$$

$$f \beta_0 - \psi \varphi_0 + \frac{v_m \psi'}{v} = 0$$

while  $\varphi = \varphi_0 = \text{const}$ ,  $\beta = \beta_0 = \text{const}$  and  $F = -2f + \frac{1}{2} \psi^2 + C$ .

If the flow between two planes is considered which form the angle  $\alpha$ , in the vertex of which there is a source or a negative source (diffuser), if  $H$  is generated by a flow  $I_0$  through the vertex, and if the conductivity of the medium is infinite, then there must exist a circulation velocity

$$v_\theta = \frac{\Gamma}{2\pi r}$$

(porous walls), since otherwise  $f \equiv 0$ ; if now  $v_\theta \neq 0$ , then  $f$  satisfies the equation

$$(2.1) \quad f'' + f' \left( \frac{\beta_0^2 - \varphi_0^2}{\varphi_0} - f \right) - f^2 \left( \frac{\beta_0^2 - \varphi_0^2}{\varphi_0^2} + 4f \right) + \varphi_0^2 - 2C = 0$$

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 C 111/.C 333

On the Flow in a Diffuser in Presence of a Magnetic Field

where  $\varphi_0 = \frac{\Gamma}{2\pi\gamma}$  and  $\beta_0 = 2I_0 / c\gamma\sqrt{4\pi\epsilon}$ , where  $c$  is the velocity of light. If, however, the conductivity of the medium is finite, then it must be put  $\varphi_0 \neq 0$  in (1.5). If the boundary conditions are taken into consideration and if it is put  $f(\theta) = Ru(\theta)$ , where  $R = \frac{|Q|}{\gamma}$ ,  $Q$  consumption of the diffuser, then for small  $\frac{|Q|}{\gamma_m} = R_m \ll 1$  for the determination of  $u$  one obtains:

$$(3.3) \quad u'' + Ru^2 + 4(1 - M^2)u - D = 0, \quad u(\pm \frac{\infty}{2}) = 0, \quad \int_{-\frac{\infty}{2}}^{\frac{\infty}{2}} u d\theta = \pm 1$$

while for the pressure it follows

$$(3.4) \quad \frac{p_0 - p}{\xi} = \frac{\nu^2 R}{r^2} \left( \frac{D}{2} - 2u \right)$$

Here  $M$  is the Hartmann number:  $M^2 = \frac{\beta_0^2 \gamma}{4 \gamma_m}$  and  $D = \text{const}$ . The explicit investigation of the cases  $M^2 < 1$ ,  $M^2 = 1$ ,  $M^2 > 1$  is Card 3/4

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On the Flow in a Diffuser in Presence of a Magnetic Field

carried out for small  $R$ , where in (3.3) the term  $Ru^2$  is negligible.  
The author refers to the possibility of symmetric divergent solutions  
for  $R \gg 1$ ,  $M^2 \gg 1$ ,  $M^2 \sim R$ .

The author thanks G. M. Bam-Zelikovich for advices. A. Gaylitis is  
mentioned in the paper.

There are 4 figures, and 3 Soviet references.

SUBMITTED: January 28, 1960

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Card 4/4

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C111/C222

26.1410

AUTHOR: Vatazhin, A.B. (Moscow)

TITLE: On the Injection of a Fluid or Gas Which Conducts Electricity  
Into the Boundary Layer in Presence of a Magnetic Field

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol.24, No.5,  
pp.909-911

TEXT: A plane plate (axis  $x^0$ ) is flown towards by a gas with a constant  
temperature  $T_\infty$ , density  $\rho_\infty$ , and velocity  $u_\infty$

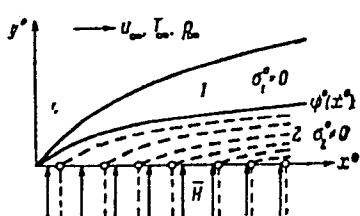


Fig. 1

Gas is injected through the plate and it is taken along by the flow  
and forms a wall layer 2, the regions 2 and 1 together form the boundary  
layer,  $\psi^0(x^0)$  is a discontinuity surface (variation of the physical-

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On the Injection of a Fluid or Gas Which Conducts Electricity Into the Boundary Layer in Presence of a Magnetic Field

chemical properties of the medium). The process occurs in the magnetic field  $H$  which is perpendicular to  $x^0$ . It is assumed: The conductivity in 1 is negligible in comparison with the conductivity of the injected gas; the magnetic Reynolds number is  $R_m = O(1)$ , while  $1/\sqrt{R}$  is small:

$\frac{1}{\sqrt{R}} = o(1)$ . After the introduction of dimensionless coordinates the author establishes the motion equations in the regions 1 and 2. It is stated that if the magnetic field and the quantity of gas injected per second is proportional to  $1/\sqrt{x}$  then the problem is a self-modeling one and can be reduced to four ordinary differential equations of second order.

A solution of this system was carried out under the additional assumptions that the dynamic tenacity in the region 1 is proportional to the temperature, and that the motion in 2 has unessential variations of temperature. In this case the velocity field and the temperature gradient can be determined separately. For the coefficients  $c_f$  and  $c_d$

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On the Injection of a Fluid or Gas Which Conducts Electricity Into the Boundary Layer in Presence of a Magnetic Field

of the friction and the total resistance the author obtains the expressions

$$(2.2) \quad c_j \sqrt{R_x} = 0.664 - 0.5431 \frac{C^{3/2}}{K} - \frac{2\gamma C}{K} + \frac{0.0526C^3 - 0.1974C}{K^2} + 0.2863 \gamma \frac{C^{5/2}}{K^2} + O(K^{-3})$$

$$(2.3) \quad c_d \sqrt{R_x} = 0.664 - 0.5431 \frac{C^{3/2}}{K} + \frac{0.0526C^3 - 0.1974C}{K^2} + 0.2863 \gamma \frac{C^{5/2}}{K^2} + O(K^{-3}), \quad X$$

where C is the injection constant defined by the relations

$$g(x,0)v(x,0) = \frac{\xi_\infty u_\infty}{\sqrt{R_x}} - \frac{C}{2}, \quad R_x = \frac{\xi_\infty u_\infty x^0}{\eta_\infty}$$

$$g^0 = \xi_\infty \xi, \quad v^0 = \frac{u_\infty}{\sqrt{R_x}} v$$

(the upper index <sup>0</sup> marks the dimensioned quantities,  $\eta$  is the dynamic

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