L 8836-66

ACC NR: AT5027199

stant. The experimental data are presented in tabular form. It is noted that in individual cases the friction coefficient was lowered by 22%. The article goes on to consider the effect of pulsation velocity and lubricating properties on the lowering of the critical Reynolds number. A diagram of the experimental apparatus is given. In the experiments, measurements were made of the temperature of the water, its flow rate through the tube, the duration of the test, and the frequency of the pulsations. The equipment permitted visual observation of the transition point from laminar to turbulent flow, and determination of the critical Reynolds number, which lay within the limits of 2250-2350. A second series of experiments was made to determine the effect of lubricating properties on the lowering of the critical Reynolds number. It was found that, with application of pulsation to flow in a tube which has been treated with surface active agents, the critical Reynolds number was lowered to 1200-1300. Finally, the article considers the effect of lubricating properties on heat transfer. In this case, experimental results indicate that at low Reynolds numbers, from 5,000 to 10,000, the intensity of heat transfer in a tube treated with surface active agents is less than in a tube without coating. For Reynolds numbers greater than 10,000, heat transfer in the treated tube was greater than in the uncoated tube. Orig. art. has: 2 figures and 1 table.

SUB CODE: ME, GC/ SUBM DATE: 02Jul65/ ORIG REF: 005/ OTH REF:002

Card 2/2

L 63475-65 EWP(m)/EWT(1)/FCS(k)/EWA(1) WW

ACCESSION NR: AP5020938 UR/0170/65/009/002/0163/0170
532.526

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29
B

AUTHOR: Sergeyev, G. T.; Smol'skiy, B. M.

TITLE: Transport processes in a reacting boundary layer

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 9, no. 2, 1965, 163-170

TOPIC TAGS: boundary layer, laminar boundary layer, heat transfer, mass transfer, aerothermodynamics, mass transfer cooling, transpiration cooling, enthalpy distribution

ABSTRACT: A laminar boundary layer of compressible gas on a semi-infinite porous plate is investigated under conditions of high speed and homogeneous reaction with a uniformly injected substance. An approximate calculation of heat and mass transfer in the laminar boundary layer was carried out in the case of injection of foreign gas through a porous plate according to the law $(\rho v)_w$ = constant, Pr and Pm (thermal and diffusion Prandtl numbers) being constant and different from unity. Solving the system of differential equations of the laminar boundary layer makes it possible, after certain transformations and under certain boundary conditions, to obtain analytical expressions for enthalpy distribution and concentration in the boundary lay-

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ACCESSION NR: AP 5020938

er. An expression which makes it possible to determine the position of the reaction front is also obtained. The possibility of applying the obtained solutions to the case of turbulent boundary layer flow is demonstrated. Orig. art. has: 43 formulas. [AB]

ASSOCIATION: Institut teplo- i massoobmena AN BSSR, Minsk (Institute of Heat and Mass Transfer, AN BSSR)

SUBMITTED: 05Feb65 ENCL: 00 SUB CODE: ME,TD

NO REF SOV: 007 OTHER: 004 ATD PRESS: 4067

Card 2/2

LYKOV, A.V.; LEBEDEV, P.D.; VUKALOVICH, M.P.; GINZBURG, A.S.; SMOL'SKIY, B.M.; SOKOLOV, Ye.Ya.; SEMENENKO, N.A.; LYKOV, M.V.; LEONCHIK, B.I.; KRASNIKOV, V.V.; SHUMAYEV, F.G.; DREVS, G.V.

Georgii Aleksandrovich Maksimov; obituary. Inzh.-fiz. zhur. 9 no.3:418 S '65. (MIRA 18:9)

L 26393-66 EWP(m)/EPF(n)-2/EWP(j)/EWT(l)/EWI(m)/ETC(m)-6/I/EWA(d) RM/WW/DJ
ACC NR: AP6007191 SOURCE CODE: UR/0170/66/010/002/0235/0239

AUTHORS: El'perin, I. T.; Smol'skiy, B. M.; Levental', L. I.

ORG: Institute of Heat and Mass Transfer, Academy of Sciences BSSR, Minsk (Institut teplo- i massoobmena AN BSSR)

TITLE: On the problem of lowering the hydrodynamic resistance in conduits

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 2, 1966, 235-239

TOPIC TAGS: fluid friction, friction loss, polymer rheology, Reynolds number, turbulent flow, laminar flow

ABSTRACT: The reduction of hydraulic friction in tubes or pipes by adding high-molecular weight polymers is analyzed. It is shown that these surface-active polymers are absorbed on the tube walls and oriented in such a manner in the laminar sublayer that they lower the skin friction, generate slip near the wall, and damp out turbulent fluctuations. Starting with the power law equation for shear in rheological admixtures

$$\tau = k\dot{\gamma}^n$$

or,

$$\tau = D\Delta P/4L = k'(8w_m/D)^{n'},$$

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ACC NR: AP6007191

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the following expression is derived for the modified flow rate in a tube after the addition of the polymers,

$$q > a\left(\frac{k'}{D^{1.5}\rho v^{0.25}}\right)^{\frac{1}{1,75-n'}},$$

$$a = 3\cdot 2^{\frac{4n'+1,25}{1,75-n'}}\cdot 0{,}3164^{-\frac{1}{1,75-n'}}.$$

A numerical example is given to illustrate the point. Orig. art. has: 10 formulas.

SUB CODE: 20/ SUBM DATE: 11Sep65/ ORIG REF: 012/ OTH REF: 006

Card 2/2 C.C

1. SHOL'SKIY, P. T.

2. USSR (600)

4. Poultry Houses and Equipment

7. Every incubator station should have a permanent display on poultry raising. Pittsevodstvo no. 11, 1952.

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

SMOL'SKIY, I.F.

KRASEV, A.Ye.; SMOL'SKIY, I.F., podpolkovnik med. sluzhby

Use of ammonium hydroxide to inhibit the vomit reflex in taking gastric juice and bile. Voen.med.zhur. no.3:92 Mr '57. (MIRA 11:3)
(AMMONIUM HYDROXIDE) (VOMITING)

SANDLER, R.A.; STRELETS, Kh.L.; GARMATA, V.A.; RODYAKIN, V.V.; ARUTYUNOV, E.A.; PETRUN'KO, A.N.; SOKOLOV, I.I.; Prinimali uchastiye: USTINOV, V.S.; KISELEV, O.G.; PERSPICHAY, A.G.; MARICHEV, A.A.; YELISEYEVA, I.B.; SMOL'SKIY, I.Ya.; GOLOV, A.G.

Effect of the rate of feeding titanium tetrachloride into the reactor on the indices of the magnesium thermic reduction process. TSvet. met. 37 no.10:58-60 O '64. (MIRA 18:7)

AMKHANITSKIY, A.I., inzh.; SMOL'SKIY, K.V., inzh.

Mechanization and automatization of welding processes at the "Uzbekkhimmash" plant. Svar. proizv. no.10:21-23 O '61. (MIRA 14:9)

(Electric welding--Equipment and supplies)

SMOL'SKIY, Kazimir Vsevolodovich; VELIULLAYEV, Abdurakhman Muradovich; YAKOVENKO, Ye.P., red.; SALAKHUTDINOVA, A., tekhn. red.

[How to save electric power] Kak ekonomit' elektroenergiiu; opyt zavoda "Uzbekkhimmash". Tashkent, Gosizdat UzSSR, 1962. 53 p. (MIRA 16:5)

(Electric power)

YAKUSHEV, A., inzh.; SMOL'SKIY, L., inzh.; BIRNAS, I., inzh.; AKISHEV, B., inzh.

Panel houses built of reinforced concrete elements made in plants with conveying and flow-line equipment. Zhil.stroi. no.4/5:18-21 '58. (MIRA 12:6)

(Apartment houses)
(Precast concrete construction)

KURPAN, M.I., dotsent, kand.tekhn.nauk; BITSYUTKO, I.Ya., SMOL'SKIY, M.B.

Removing leather dust from air by humidification. Sbor. nauch. trud. Bel. politekh. inst. no.74:32-37 '59. (MIRA 13:8)
(Air--Purification)
(Boot and shoe industry--Heating and ventilation)

ANFIMOV, A.N.; LEYTES, V.G.; SMOL'SKIY, N.T.

Preserving skins with multicomponent salt solutions. Leg.prom. 18 no.11:33-35 N '58. (MIRA 11:12)
(Hides and skins)

ANFIMOV, A., kand.tekhn.nauk; LEYTES, V., kand.tekhn.nauk; SMOL'SKIY, N., inzh.

Preserving hides in slat brines with high specific gravity.
Mias. ind. SSSR 29 no.1:15-17 '58. (MIRA 11:3)
(Hides and skins)

ANIFIMOV, A., kand. tekhn.nauk; SMOL'SKIY, N., inzh.

Lowering the cost of the acid-salt method of preserving sheepskins. Mias. ind. SSSR 29 no.6:19-20 '58. (MIRA 11:12)
(Hides and skins)

ANFINOV, Apollon Nikolayevich, kand.tekhn.nauk; LAVROVA, Lidiya Pavlovna, kand.tekhn.nauk; MANZHBERGER, Aleksandr Abramovich, prof.; MIRKIN, Yefim Yul'yevich, kand.tekhn.nauk. Prinimali uchastiye: SMOL'SKIY, N.T., inzh.; DERGUNOVA, A.A., inzh.. NOVOSELOVA, L.V., red.; TARASOVA, N.M., tekhn.red.

[Technology of meat and meat products] Tekhnologiia miasa i miasoproduktov. Moskva, Pishchepromizdat, 1959. 593 p. (MIRA 13:1)

(Meat industry)

AMFIMOV, A.N., kand.tekhn.nauk; LEYTES, V.G., kand.tekhn.nauk; SMOL'SKIY, N.T., mladshiy nauchnyy sotrudnik.

Intensification of hide preserving processes. Trudy VNIIMP no.9: 138-143 '59. (MIRA 13:8)
(Hides and skins--Preservation)

SMOL'SKIY, N.

Rapid process for preserving butts of pigskins. Mias. ind. SSSR 32 no.4:49-50 '61. (MIRA 14:9)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.
(Hides and skins)

SMOL'SKIY, N.; SKVORTSOV, F.

Histological changes of pigskins preserved under high temperature. Mias.ind.SSSR 32 no.6:50 '61. (MIRA 15:2)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.
(Hides and skins)

SMOL'SKIY, N.T., inzh.

Effect of temperature on the preservation of butt pigskins.
Kozh.-obuv.prom. 4 no.3:23-25 Mr '62. (MIRA 15:5)
(Hides and skins--Testing)

KOLESNIK, A.A., prof.; GRYUNER, V.S., prof.; BAKZEVICH, D.D., dots.; ZABOLOTSKIY, M.S., dots.; OGNEVA, O.K., dots.; SMIRNOVA, N.A., dots.; SMOL'SKIY, N.T., kand. tekhn. nauk, prepod.; AYRIYEVA, N.S., red.

[Study of food products] Tovarovedeniye prodovol'stvennykh tovarov. [By] A.A.Kolesnik i dr. Moskva, Ekonomika, 1965. 607 p. (MIRA 18:7)

1. Moskovskiy institut narodnogo khozyaystva im. G.V. Plekhanova (for all except Ayriyeva).

ACC NR: AP7000677 (A) SOURCE CODE: UR/0066/66/000/011/0037/0040

AUTHORS: Smol'skiy, N. T.; Pugachov, P. I.; Belyayev, V. M.

ORG: [Smol'skiy] Moscow Institute of National Economy im. G. V. Plekhanov (Moskovskiy institut narodnogo khozyaystva); [Pugachev] All Union Scientific Research Institute of Poultry Processing Industry (Vsesoyuznyy nauchno-issledovatel'skiy institut ptitsepererabatyvayushchey promyshlennosti); [Belyayev] Moscow Technological Institute of Meat and Dairy Industry (Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti)

TITLE: Packing and storage of beef in film-type materials

SOURCE: Kholodil'naya tekhnika, no. 11, 1966, 37-40

TOPIC TAGS: food preservation, polyethylene, cellophane, cellulose plastic / packing material, PE-500 VD polyethylene, TsP-1 cellophane-polyethylene

ABSTRACT: The following films have been tested as packing and storing materials preventing the loss of color, moisture, and freshness of beef: 0.05-mm VD polyethylene PE-500; 0.07-mm cellophane-polyethylene TsP-1; and 0.04--mm cellophane. The meat specimens from three- and four-year old animals (weighing 325--350 kg) were held (at 2--3C) for 3 days after slaughter. The specimens were stored at 4--6C and at 65--70% relative humidity for 3, 5, 7, and 9 days. At this time the following parameters were measured: freshness (according to GOST 7269-54), moisture content

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ACC NR: AP7000677

of the external and internal layers, pH, condition of the broth after boiling, shrinkage, amount of separated juices, and bacterial content of the external and internal layers. It was established that the most suitable of the investigated materials is polyethylene film because it retains the desirable appearance, freshness and food qualities of the meat. Orig. art. has: 5 tables.

SUB CODE: 06,13/SUBM DATE: none

Card 2/2

SMOL'SKOGO, N. V.

Agriculture

Subtropical crops in the Tajik S.S.R., Sbornik statei pod red. N.V. Smol'skogo. Stalinabad, Tadzhikgosizdat, 1951.

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

GURSKIY, A.V.; ZAPRYAGAYEVA, V.I.; KOROLEVA, A.S.; RYABOVA, T.I.; SMOL'SKIY, N.V., redaktor; KORBONSKAYA, Ya.I., redaktor; FROLOV, P., tekhnicheskiy redaktor.

[Landscaping cities and villages of Tajikistan] Ozelenenie gorodov i poselkov Takzhikistana. Stalinabad, Izd-vo Akademii nauk Tadzhikskoi SSR, 1953. 137 p. (Akademiia nauk Tadzhikskoi SSR, Stalinabad. Trudy, vol. 14) (MLRA 9:8)
(Tajikistan--Landscape gardening)

SKOL'SKIY, I.V.

Development and scientific activities of the Central Botanical Garden of the Academy of Sciences of the White Russian S.S.R. Sbor. nauch. rab. TSBS no.1:3-18 '60. (MIRA 14:10)
(Minsk--Botanical gardens)

SMOL'SKIY, N.V.; SMOLYAK, L.P.; MEL'NIKOV, S.S.

Conservation of nature in White Russia. Sbor. nauch. rab. TSBS no.1:85-92 '60. (MIRA 14:10)
(White Russia—Natural monuments)

SM.L'SKIY, N.V.

Arboretums of Poland. Sbor. nauch. rab. M. S no.1:93-107 '60. (MIRA 14:10)

(Poland--Arboretums)

SMOL'SKIY, N.V.; BIBIKOVA, V.F.

Species and varieties of lilacs for greenbelts and parks of White Russia. Sbor. nauch. rab. TSBS no.2:65-72 '61. (MIRA 15:7)
(White Russia--Lilacs--Varieties)

SMOL'SKIY, N.V.; BIBIKOVA, V.F.

Some data on the biology of flowering in lilacs. Sbor. nauch. rab. TSBS no.1:42-51 '60. (MIRA 14:10)
(Lilacs)
(Plants, Flowering of)

SMOL'SKIY, N.V.

Some botanical gardens in Poland. Sbor. nauch. rab. TSBS no.2: 220-236 '61. (MIRA 15:7)
(Poland--Botanical gardens)

SMOL'SKIY, N.V. [Smol'ski, N.V.]; SOKOLOV, V.S. [Sokolau, V.S.]; CHURILOV, A.K. [Chulylau, A.K.]

Second seminar-conference on new ensilage plants. Vestsi AN BSSR Ser. biial. nav. no.3:140-141 '64 (MIRA 18:1)

SMOL'SKIY, N.V.; VAKULA, V.S.

Study of the intensity of photosynthesis in ornamental forms of woody plants as related to an evaluation of their photophily. Dokl. AN BSSR 8 no. 1:69-72 Ja '64. (MIRA 17:5)

1. TSentral'nyy botanicheskiy sad AN BSSR.

SMOL'SKIY, N.V.; SOKOLOV, V.S.; CHURILOV, A.K.

Second Seminar-Conference on New Silage Plants. Rast. res. 1 no.1:154-157 '65. (MIRA 18:6)

1. Tsentral'nyy botanicheskiy sad AN BSSR, Minsk.

SMOL'SKIY N.V.; BIBIKOVA, V.F.

Prolonged preservation of the pollen of lilacs as related to their hybridization. Dokl. AN BSSR 9 no.2:122-124 F '65. (MIRA 18:5)

1. TSentral'nyy botanicheskiy sad AN BSSR.

PROKOPCHUK, A.Ya.; SMOL'SKIY, P.F.

Beta-ray radiators in dermatological practice. Sbor.nauch.rab.Bel. nauch.-issl.kozhno-ven.inst. 6:5-9 '59. (MIRA 13:11)
(SKIN--DISEASES)
(BETA RAYS)

SMOL'SKIY, P.F.

Case of pseudolues papulosa. Sbor.nauch.rab.Bel.nauch.-issl.kozhno-ven.inst. 6:387-388 '59. (MIRA 13:11)
(GENERATIVE ORGANS, FEMALE--DISEASES)
(SKIN--DISEASES)

SMOL'SKIY, P. [Smol'ski, P.], vrach

Urticaria. Rab. i sial. 35 no.12:24 D '59 (MIRA 13:3)
(Urticaria)

PROKOPCHUK, A.Ya. [Prakapchuk, A.IA.]; SOSNOVSKIY, A.T. [Sasnouski, A.T.]; GRINGAUZ, M.Ya.; POPOVICH, A.D. [Papovich, A.D.]; SOSNOVSKIY, G.A. [Sasnouski, H.A.]; SMOL'SKIY, P.F. [Smol'ski, P.F.]

Radioactive cerium (Ce^{144}), cesium (Cs^{137}), promethium (Pm^{147}) and their therapeutic effect. Vestsi AN BSSR. Ser. biial. nav. no.4:84-90 '62. (MIRA 17:8)

PROKOPCHUK, A.Ya.; SMOL'SKIY, P.F.

Treatment of fungus diseases with griseofulvin. Zdrav.Bel. 8 no.11:41-44 N '62. (MIRA 16:5)

1. Iz kliniki kozhnykh bolezney Minskogo meditsinskogo instituta (direktor - akademik AN BSSR A.Ya. Prokopchuk).
(MYCOSIS) (GRISEOFULVIN)

PROKOPCHUK, A. Ya [Prakapchuk, A. IA.]; BONDAROVICH, A.G. [Bandarovich, A.H.]; SMOL'SKIY, P.F. [Smol'ski, P.F.].

Electron microscopic investigation of Trichophyton violaceum
Vestsi AN BSSR Ser. biial. nav. no.1:82-86'63. (MIRA 16:9)
(TRICHOPHYTON)

PROKOPCHUK, A. Ya. [Prakapchuk, A. IA.]; BONDAROVICH, A.G. [Bandarovich, A.H.]; SMOL'SKIY, P.F. [Smol'ski, P.F.]

Achorion schoenleinii under an electron microscope. Vestsi AN BSSR Ser. biial. nav. no.3:98-101 '63 (MIRA 17:7)

PROKOPCHUK, A.Ya.; SOSNOVSKIY, A.T.; SMOL'SKIY, P.F.

Electron microscopic study of the epidermal skin in rabbits with X-ray dermatitis. Dokl. AN BSSR 9 no.9:630-632 S '65. (MIRA 18:11)

1. Minskiy meditsinskiy institut i Belorusskiy institut kozhnykh i venericheskikh bolezney. Submitted March 30, 1965.

SMOL'SKIY, Ya. V.

SMOL'SKIY, Ya. "Phytopathological Injusry of Kenaf in Northern Osetia," Za Novoe Volokno, no. 5, 1935, pp. 39-40. 73.8 Z12

SO: SIRA SI 90-53, 15 Dec. 1953

M

Country : USSR
Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol., No 22, 1958, No 100221

Author : Smol'skiy, Ya. V.
Inst : Northern Osetinsk State Agricultural Experimental Station.
Title : On the Problem of the Fertilization of Winter Wheat.

Orig Pub: Byul. nauchno-tekhn. inform. Sev.-Osetinsk. Gos. s.-kh. opytn. st., 1957, No 1, 8-11.

Abstract: According to the many years' data of Severo-Osetinskaya Agricultural Experiment Station, placement of fertilizers under winter wheat in the year of sowing is most effective. N 15 P30

Card : 1/3

M-15

SMOL'TSOVNIKOV, N.

With the help of patrons. Okhr. truda i sots. strakh. 4 no.5:29-30 My '61. (MIRA 14:5)

1. Nachal'nik Novosibirskogo kurortnogo upravleniya profsoyuzov.
(Siberia, Western--Health resorts, watering places, etc.)

Smoluchowska, B.

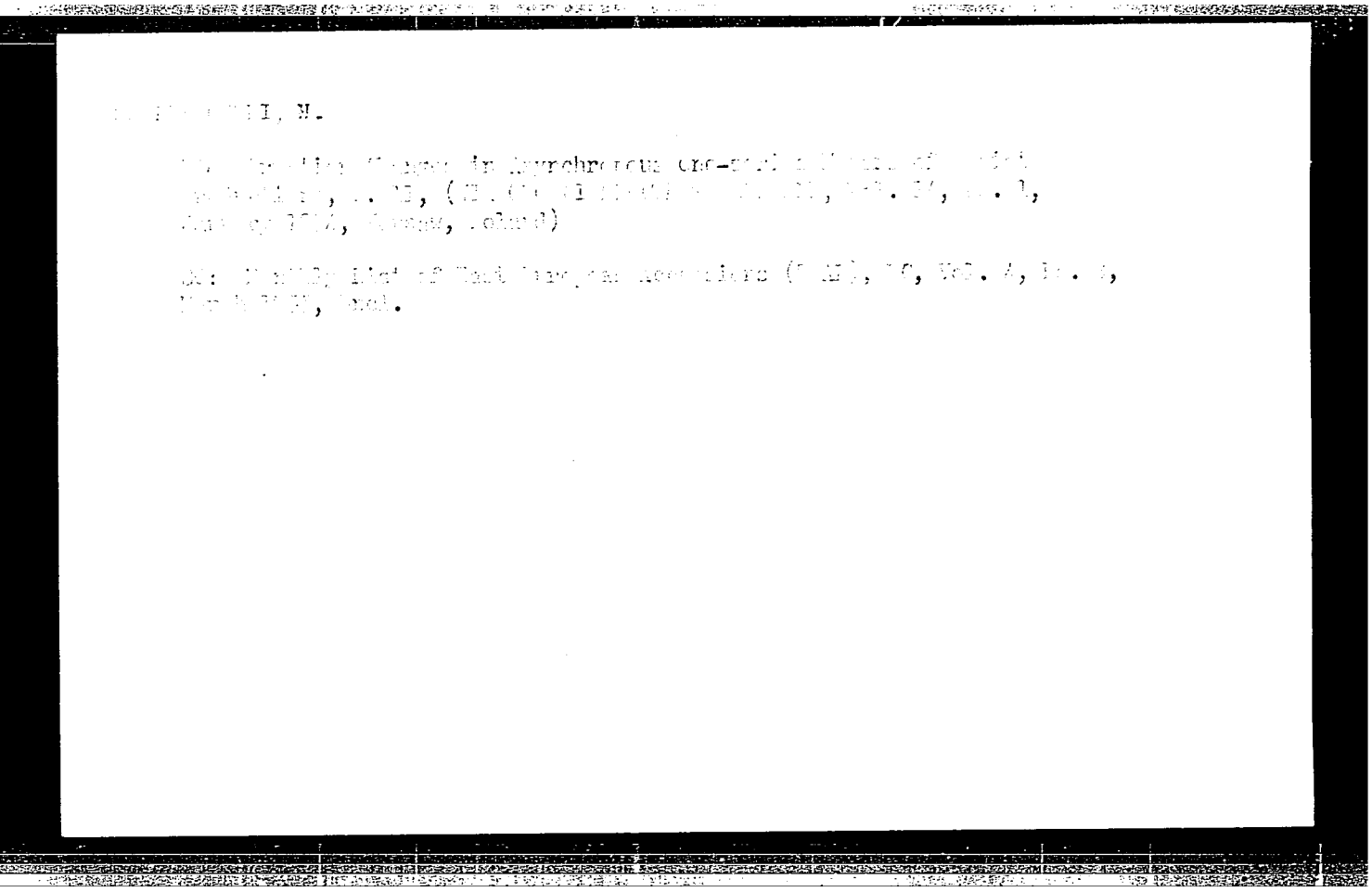
POL.

Determination of sodium, potassium, and calcium in siliceous materials with the flame photometer. S. Skupiński, A. Idźkiewicz, and B. Smoluchowska (Inst. Met. Warsaw). *Prace Inst. Mech.* 3, No. 11, 3–8(1951).—Solns. of Na and K are prepd. by heating the material with NH_4Cl and $CaCO_3$, and extg. with hot water. Ca solns. are prepd. by $NaCO_3$ fusion, dissolving in dil. HCl, and pptg. Fe, Al, and Ti with NH_4OH. These solns. are atomized with compressed air, and introduced into the acetylene flame of the Zeiss flame photometer. Na, K, and Ca emit characteristic spectra, which are sepd. by a color filter, then fall on a photocell, activating a galvanometer. The deflection can be calibrated against the concn. of the element in the soln., provided all working conditions are const. Interference is caused by Fe, Ti, Mg, Al, and H_2SO_4. Michael Falk

[redacted], M.

"[redacted]", P. 5, ([redacted], Vol. 14, No. [redacted], [redacted], Warsaw, Poland)

DC: Monthly List of East European Accessions (EEA), LC, Vol. 7, No. 5, March 1958, Incl.



[illegible], W.

"Power Limit [illegible] of [illegible] [illegible]", p. 3[illegible], ([illegible], Vol. 14, No. 2, February 1954, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 19[illegible], Uncl.

[illegible] i, .

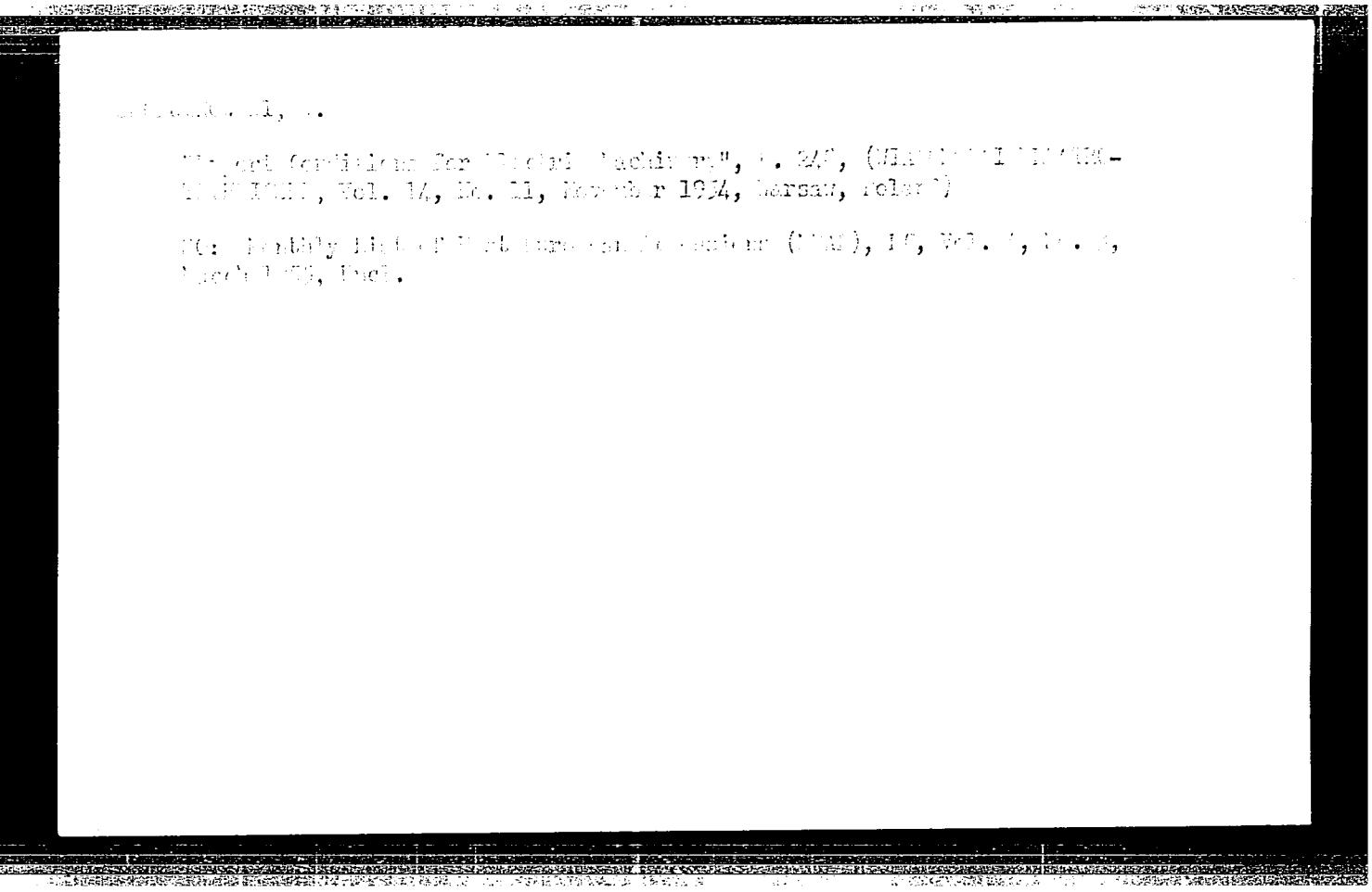
"[illegible] in Electrical Engineering", P. 64, ([illegible] I [illegible]-[illegible] [illegible], Vol. 34, No. 4, April 1954, Warsaw, Poland)

JC: Monthly List of East European Accessions (MEAI), LC, Vol. 4, No. 3, March 1955, Uncl.

[illegible], M.

"[illegible] Letters in Agriculture", p. 15/, ([illegible], Vol. 14, No. 7, July 1954, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Unclass.



SKOLUCHOWSKI, W.

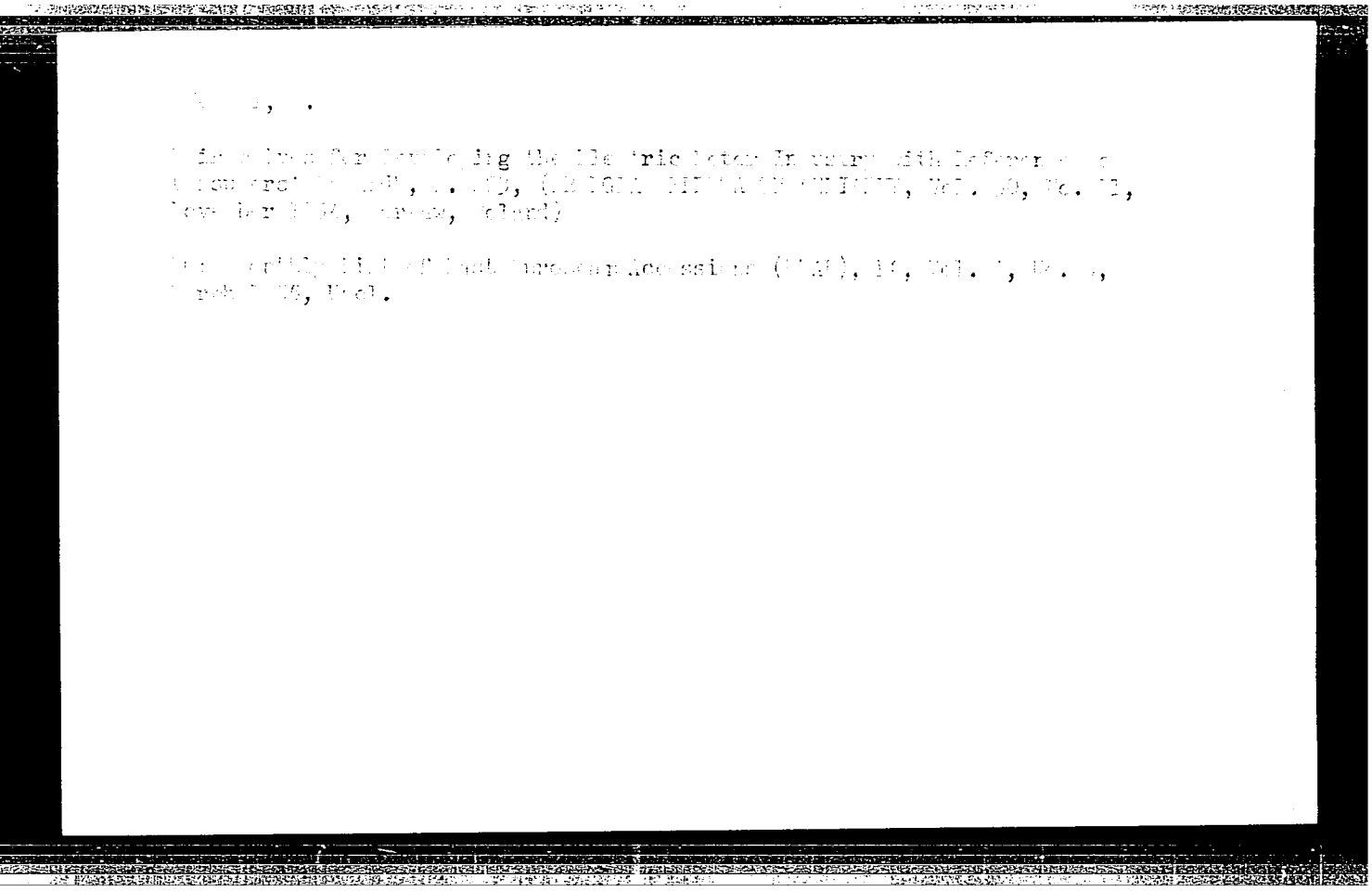
"Development of socialist competition among the sections of the Polish Electrical Engineers Association, p. 272, (WIADOMOSCI ELECTROTECHNICZNE, Vol. 14, No. 12, Dec. 1954, Warszawa, Poland)

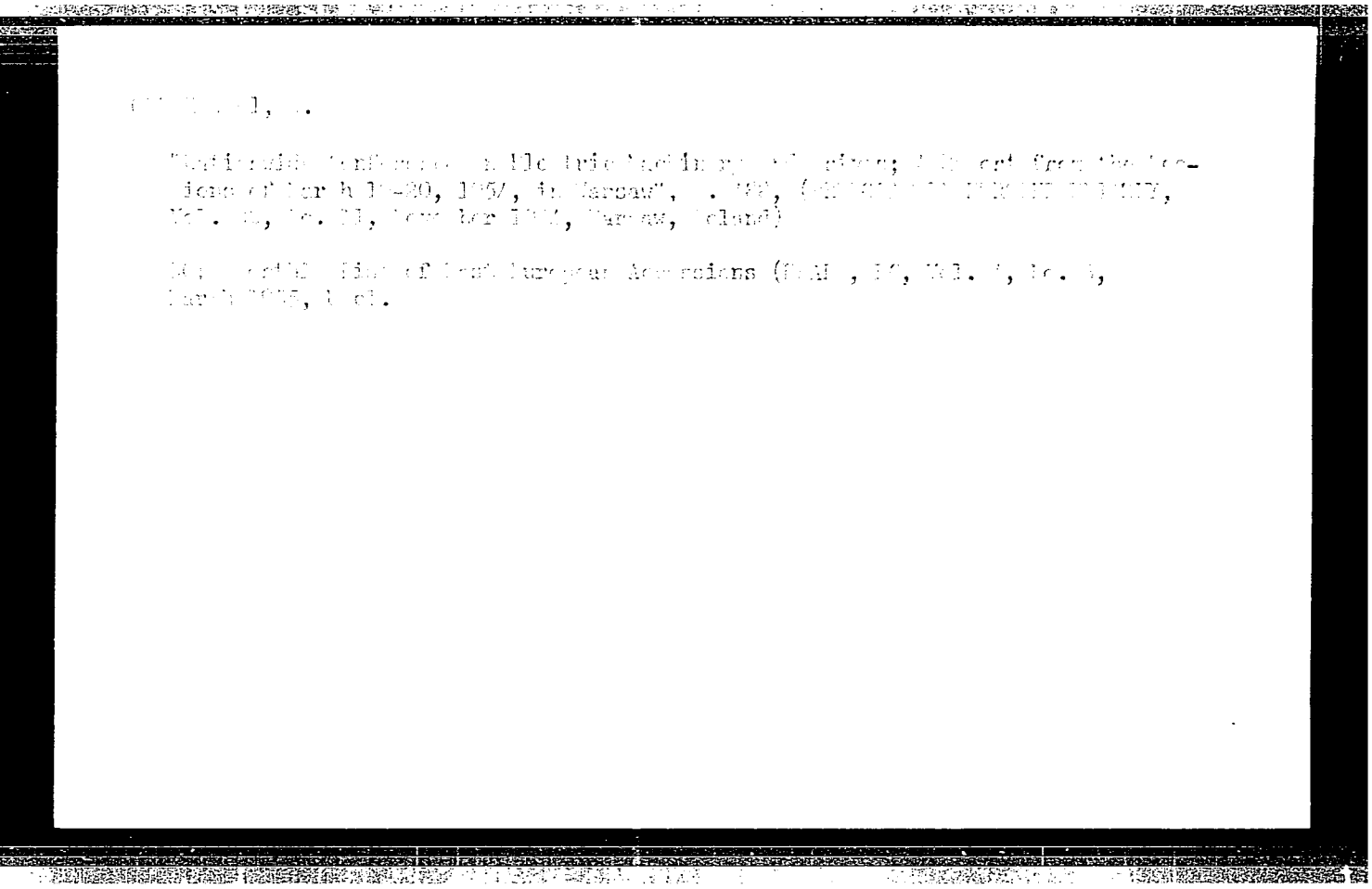
SO: Monthly List of East Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

BRONIKOWSKI, W.

"Organizing the designing of complex drive systems." p. 90. (Przeglad Elektrotechniczny, Vol. 30, no. 2, Feb 54, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl





SMOLUCHOWSKI, A.

Assembly-line production of small motors in the Soviet Union p. 108, Vol. 15, no. 5, May 1955, WIADOMOSCI ELECTROTECHNICZNE

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

SMOLUCHOWSKI, W.

The new standard for electric machines. p. 410

NORMALIZACJA Warszawa, Poland Vol. 23, no. 7, July 1955

Monthly List of East European Accessions, (EEAI) LC, Vol. 9, no. 2,
Feb. 1959
Uncl.

SMOLUCHOWSKI, W.

The influence of atmospheric conditions on the selection of electri motors.

P.178 (WIADOMOSCI ELEKTROTECHNICZNE) (Warsaw, Poland) Vol. 17. no. 6. June 1957

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

SMOLUCHOWSKI, W.

The tasks of the Polish Electrical Engineers Association in the field of the elektitical engineering industry.

p. 197 (Wiadomosci Elektrotechniczne) Vol. 17, no. 8, Aug. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

SMOLUCHOWSKI, W.

"New statute of the Polish Electrical Engineers Association."

p. 323 (Wiadomosci Elektrotechniczne) Vol. 17, no. 12, Dec. 1957
Warsaw, Poland

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

SMOLUCHOWSKI, W.

An obituary for Zbigniew Marasinski. Wiad elektrotechn 18 no.2 55 F '58.

SMOLUCHOWSKI, W.

"Recollection about the late Zbigniew Karasinski."

p. 55 (Wiadomosci Elektrotechniczne) Vol. 18, no. 2, Feb. 1958
Warsaw, Poland

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

SMOLUCHOWSKI, W.

The Industrial Section of the Polish Electrical Engineers Association.
Wiad elektrotechn 19 no.9:271-272 S '59.

SMOLUCHOWSKI, W.

"Electrical engineering and electric drive" by Dipl-Ing. Wilhelm Lehmann. Reviewed by Smoluchowski. Wiad elektrotechn 19 no.11/12:340 N-D '59.

8 (5) POL/24-60-2-3/13

AUTHOR: Smoluchowski, Wilhelm, Graduate Engineer

TITLE: The Development of One-Motor Converters

PERIODICAL: Wiadomości Elektrotechniczne, 1960, Nr 2, pp 38 - 40

ABSTRACT: D-c is more practical than a-c for driving many remote-controlled and automatic machines. The rectifiers used most frequently for producing the required d-c are rotary converters. Owing to the big size, the weight and other disadvantages of multi-element converters, one-motor converters are becoming more and more popular. This article discusses a few problems connected with such converters. Originally the main disadvantage of one-motor converters was their inability to supply regulated voltages. This problem was partially solved by K.Szenfer, who designed double-excitation coils mounted perpendicularly to each other: by changing the current of the two components of the excitation coils it is possible to obtain voltages ranging from $-U_{max}$ through 0 to $+U_{max}$. This system, however, is very susceptible to any change in the line voltage. The converter developed by R. Meller in 1926 went a step further, but has never been widely accepted because of the necessity of synchronizing its motor. The latest development in this field is the autodyne invented in 1957 by O. Benedikt, Professor of the

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Politechnic University of Budapest. It has a stator consisting of four half-poles, connected as shown in Figure 6, and joined to an additional third brush C. The autodyne also runs at synchronized speed, but the rotor's coil may receive additional impulses increasing or reducing its magnetic flux by a small value $\Delta\Phi$ (Figure 7) and causing an acceleration or slowing down of the rotation of the magnetic field, and resulting in the change of angle β which determines the d-c voltage between the brushes A and B. Thus, by means of a suitable feed-back connection, the machine gives a uniform d-c output of a value freely selected by the user. Particulars may be found in articles written by O. Benedikt in the (East) German periodical "E und M", 1959, Nr 17 and 20.
There are 7 diagrams.

SMOLUCHOWSKI, W.

Swedish Electrical Engineering Days in Poland. Wiad elektrotechn 29 no.1:25-26 Ja '62.

SMOLUCHOWSKI, Wilhelm

Standardization of electric antiexplosive protection devices.
Wiad elektrotechn 31 no.7:163 Jl '63.

1. Instytut Elektrotechniki, Warszawa.

SMOLUCHOWSKI, Wilhelm

Development of provisions on antiexplosive electric installations. Wiad elektrotechn 31 no.11:273 N'63.

1. Instytut Elektrotechniki, Warszawa.

SMOLUCHOWSKI, W.

"Small electric machines; repair, testing, calculation" by P. Puternicki, M. Nachyllo, J. Zadrozny. Reviewed by W. Smoluchowski. Wiad elektrotechn 32 no.7:188 Jl '64.

SMOLUK, A. (Wroclaw); ZAMORSKI, J. [deceased] (Wroclaw)

Necessary coefficient conditions for extremal generalized spiral functions. Rocz prace matem no.7:119-125 '62.

1. Uniwersytet, i Instytut Matematyczny, Polska Akademia Nauk, Warszawa.

L 23009-66 EWP(e)/EWT(m) JD/JG/WH

ACC NR: AP6007663 SOURCE CODE: UR/0413/66/000/003/0032/0032

55
B

AUTHOR: Smolya, A. V.

ORG: none

TITLE: Ceramic material. Class 21, No. 178403

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 32

TOPIC TAGS: ceramic material, beryllium compound, calcium compound, oxide ceramic, radio equipment

ABSTRACT: An Author Certificate has been issued for a ceramic material with additions of BeO and CaO for use in radioelectronic equipment. In order to make the material airtight, of high-heat conductivity, low losses, and a low dielectric constant, the above compounds are added in the following amounts (wt %): BeO, 95--97; CaO, 0.85-0.88. In addition to these, the ceramic material contains Al_2O_3, 1.13--1.17% and SiO_2, 0.92--0.95%. [LD]

SUB CODE: 11,17/ SUBM DATE: 13Mar65/

Card 1/1 UDC: 621.315.612:546.45'621

VAL'SHTEYN, G.I.; NARUSEVICH, V.S.; SMOLYAGA, V.M.

Cable-anchor bolting for development workings. Nauch. trudy KNIUI no.14:286-291 '64. (MIRA 18:4)

SMOLYAK, A., inzh. (Tashkent)

Electronic level and pressure relays. Radio no.11:24-25 N '65. (MIRA 18:12)

ACC NR: AP6030100 (A,N) SOURCE CODE: UR/0317/66/000/008/0060/0063

AUTHOR: Savel'yev, V. (Candidate of technical sciences); Smolyak, A. (Engineer)

ORG: none

TITLE: Crossings and hydraulics

SOURCE: Tekhnika i vooruzheniye, no. 8, 1966, 60-63

TOPIC TAGS: civil engineering, marine engineering, waterway engineering, FLOATING BRIDGE, HYDRAULICS

ABSTRACT: The influence of hydrodynamic factors on the hydraulic stability of temporary bridge facilities is discussed, with particular attention to the hydrostatic and hydrodynamic forces acting on a pontoon in motion or on a floating bridge while it is being secured by anchors. A pontoon bridge's hydraulic stability and resistance to the current depends on the sectional distribution of the depth and the current velocities, the type of loading, and the structural details of the pontoons. Curves are presented which represent the pressure distribution on a pontoon, the influence of the river's depth on the resistance of a vessel, and the stability of two types of floating bridges. A

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ACC NR: AP6030100

device for decreasing trim difference and increasing the stability of a pontoon or bridge, which consists of two panels placed at a certain angle of attack in front and behind the pontoon, is described. Orig. art. has: 6 figures.

SUB CODE: 13/ SUBM DATE: none

Card 2/2

KHORSHUN, T...; SMOLYAK, A.M.

Remote control of gas pipelines in Central Asia. Gaz. prom. 10 no.6:35-40 '65. (MIRA 18:6)

BELLUIDZHI, ARNAL'DO; SMOLYAK, A.I. [translator]

Concerning non-steady-state transitional unidimensional electroosmosis. Izv. vys. ucheb. zav.; elektromekh. 4 no.10:91-105 '61. (MIRA 14:11)

(Electroosmosis)
(Soils--Electric properties)

IZBASH, S.V., doktor tekhn.nauk, prof.; SLISSKIY, P.M., kand.tekhn.nauk; SMOLYAK, A.I., inzh.

Hydraulic principle of the filling in of rock fill by suspended sand. Gidr.stroi. 31 no.4:33-39 Ap '61. (MIRA 14:5)
(Sedimentation and deposition) (Jetties)

Smolyak A.P.

Oak growth on meliorated peat-bog soils. I. D. Yurkevich and A. P. Smolyak. *Vestsi Akad. Navuk Belarus. S.S.R.* 1954, No. 3, 67–78.—For the growth and development of oak (*Quercus robur*) under the climatic conditions of White Russia the peat-bog sandy and loamy soils are best suited. The effect of 6 such soils is described on the growth increase (during 5 years) and the diam. of the stem at the stem-rootstock transition place. The soils have the following characteristics: underground water 20–60 cm., decompn. of the org. material (peat) 45–50%, ash 11.6–41.6%, pH (in KCl suspension) 3.85–5.7, hydrolytic acidity 52.5–89.7 meq./100 g. soil, sum of the adsorbed bases 14.2–59.4 meq./100 g. soil, and P_2O_5 0.230, K_2O 0.121, CaO 1.73, and total N 2.19% of the abs. dry soil, resp. The kinds and amts. of other trees assocd. with oak trees in a wood depend on the mineral elements in the soil, particularly Ca and P. E. Wierbicki

CH

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SMOLYAK, A.V.

Nevel'skoi's expedition of 1850-1854 and the first ethnological investigations of the 19th century in the Amur Valley, Maritime region, and on Sakhalin. Sov.etn. no.3:77-82 '54. (MLRA 7:11) (Nevel'skoi, Gennadii Ivanovich, 1813-1876) (Soviet Far East--Ethnology) (Ethnology--Soviet Far East)

SMOLYAK, B.A., kandidat tekhnicheskikh nauk, nauchnyy redaktor; UDOD, V.Ya., redaktor izdatel'stva; MEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Collection of efficiency experts' suggestions for loading and unloading work] Sbornik ratsionalizatorskikh predlozhenii po pogruzochno-razgruzochnym rabotam. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 110 p. (MLRA 9:7)

1. Moscow. TSentral'nyy institut informatsii po stroitel'stvu
(Loading and unloading)

SMOLYAK, I.I.

Rapid spectrum analysis of fluorine. Izv.AN SSSR.Ser.fiz.19 no.2:217 Mr-Ap '55. (MLRA 9:1)
(Tartu--Spectrum analysis--Congresses)

SOV/48-23-9-54/57

24(7)
AUTHOR: Smolyak, I. I.

TITLE: A Further Development of the Apparatus AVR-2

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 9, pp 1165 - 1167 (USSR)

ABSTRACT: A number of shortcomings was found while working with the instrument of the type AVR-2, which is produced by the factory "Burovaya tekhnika"; this concerns mainly the considerable loss of pulverulent sample material, by which all parts of the apparatus were obstructed and which caused disagreeable operational conditions for the operating personnel. A number of adjustments was added in order to remedy these faults. By a constructional modification of the air blast, an excess in sample powder in the jet was avoided, and a special funnel was constructed for the introduction of sample material into the discharge, which directs the powder jet into the center of the discharge and prevents the jet from impinging upon the electrodes. In order to warrant uniform feeding, an assembly of nets was used which had openings of 1 - 1.8 mm diameter

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A Further Development of the Apparatus AVR-2 SOV/48-23-9-34/57

according to the nature of the pulverized sample. There are 2 figures.

ASSOCIATION: Olekminskaya partiya Zabaykal'skoy geofizicheskoy ekspeditsii (Olekminsk Group of the Transbaykal Geophysical Expedition)

Card 2/2

SMOLYAK, L. G.

Smolyak, L. G. "The sulfidine prophylaxis of pleural empyemas after fire-arm wounds which have penetrated the chest cavity," Vracheb. delo, 1949, No. 3, paragraphs 219-20.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

SMOLYAK, L.G.

[Therapy of aneurysms; errors and complications] Nash opyt lecheniia anevrizm; oshibki i oslozhneniia. Vest.khir. 70 no.1:34-39 '50. (CLML 19:1)

1. Of "N" SEG [Stalino Experimental Hospital?] (Head -- I.Ya.Rabinovich, Senior Surgeon -- P.G.Zaytsev).

SMOLYAK, L.G., dotsent.

Case of surgical therapy of massive intrapleural hemorrhage following thoracocautery. Probl.tub. no.4:72-73 Jl-Ag '53. (MLRA 6:11)

1. Iz gospital'noy khirurgicheskoy kliniki (zaveduyushchiy - professor V.M.Bogoslavskiy) Stalinskogo meditsinskogo instituta (direktor - dotsent A.M.Ganichkin) i tuberkuleznogo otdeleniya TSentral'noy klinicheskoy bol'nitsy (glavnyy vrach M.I.Asnes).
(Chest--Surgery) (Hemorrhage) (Tuberculosis)

GANICHKIN, A.M.; BABENKO, G.A.; CHARUGIN, A.I.; DOVGYALLO, N.D.; BUNIN, M.I.; SMOLYAK, L.G.

In memory of Professor V.M.Bogoslavskii. Khirurgiia no.10:94-95 O '53. (MLRA 6:11)

(Bogoslavskii, Vladimir Matveevich, 1888-1953)

SMOLYAK, L.G.; SHMAT'KO, P.I.

Remote results of surgical treatment of acute intestinal obstruction. Sov.med. 18 no.6:6-8 Je '54. (MLRA 7:6)

1. Iz gospital'noy khirurgicheskoy kliniki (zav.prof. R.V.Bogoslvaskiy) Stalinskogo meditsinskogo instituta (dir. A.M.Ganichkin)

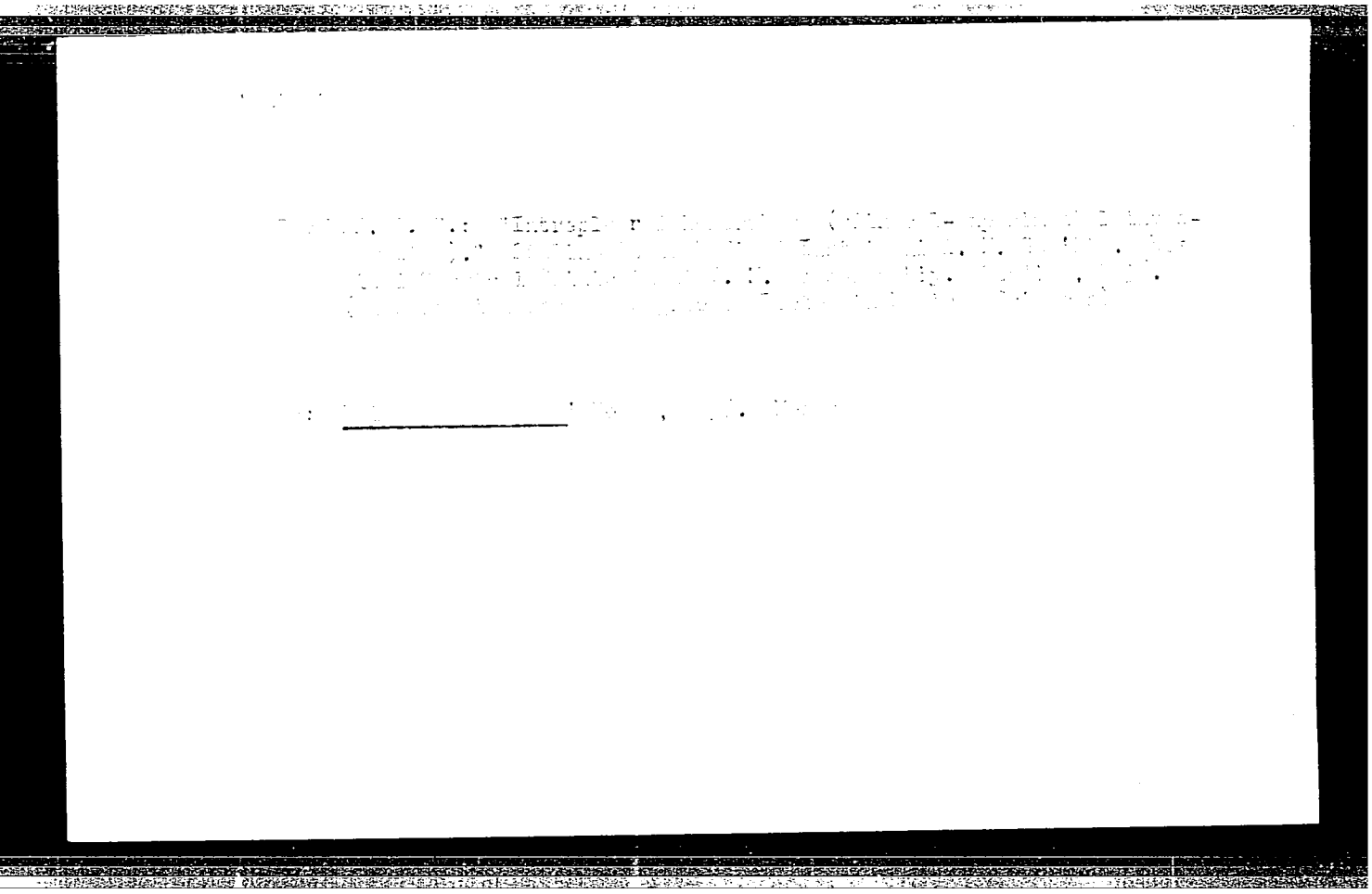
(INTESTINAL OBSTRUCTION, surgery
*remote results)

SMOLYAK, L.G., dotsent.

Sarcome of the vagina tendinis of the hand. Ortop.trav. protez. Moskva, no.1:77-78 Ja-F '55. (MLRA 8:10)

1. Iz gospital'noy khirurgicheskoy kliniki (zav.-prof. R.V. Bogoslavskiy) Stalinskogo meditsinskogo instituta (dir.-dots. A.M. Ganichkin)

(WRIST, neoplasms,
sarcoma of vagina tendinis)
(SARCOMA,
wrist vagina tendinis)



BOGOSLAVSKIY, R.V., professor (Stalino); SMOLYAK, L.G., dotsent (Smolino)

Late results of surgery in euthyroid and hyperthyroid goiters; data from a surgical ward in Stalino Province. Probl.endok. i gorm. 2 no.4:42-44 Jl-Ag '56. (MLRA 9:11)

1. Iz Gospital'noy khirurgicheskoy kliniki imeni V.M.Bogoslovskogo (zav. - prof. R.V.Gogoslavskiy) Stalinskogo meditsinskogo instituta
(GOITER, surgery,
results in euthyroid goiter, hosp. statist. (Rus))
(HYPERTHYROIDISM, surgery,
results, hosp. statist. (Rus))

SMOLYAK, L.G., dotsent

Classification of traumatic hemothorax. Voen.-med.zhur. no.7:35-37 Jl '57. (MIRA 11:1)

(HEMOTHORAX, etiol. and pathogen
classif. of traum. hemothorax)
(THORAX, wounds and inj.
classif.)

SMOLYAK, L.G., dotsent

Additional shadows in retrograde pyelography [with summary in English]. Vest.rent. i rad. 32 no.1:67-68 Ja-F '57. (MIRA 10:6)

1. Iz kafedry gospital'noy khirurgii (zav. - prof. R.V.Bogoslavskiy) Stalinskogo meditsinskogo instituta (dir. - dots. A.M.Ganichkin) i rentgenovskogo otdeleniya (zav. I.F.Semenyuk) TSentral'noy klinicheskoy bol'nitsy (glavnyy vrach M.I.Asnes).

(PYELOGRAPHY, compl.
subcapsular rupture of kidney in retrograde pyelography)
(KIDNEYS, rupture
subcapsular, in retrograde pyelography)

SMOLYAK, L.G., dotsent

Origin of hemorrhage into the pleural cavity in gunshot wounds; experimental research. Khirurgiia 33 no.4:58-61 Ap '57. (MLRA 10:7)

1. Iz gospital'noy khirurgicheskoy kliniki imeni V.M.Bogoslavskogo (zav. - prof. R.V.Bogoslavskiy) Stalinskogo meditsinskogo instituta.
(PLEURA, hemorrh.
origin of hemorrh. in exper. gun-shot wds in dogs)
(WOUNDS AND INJURIES, exper.
gunshot, determ. of origin of hemorrh. into pleural cavity)

SMOLYAK, L.G., dots. (Stalino (obl.), 8-ya liniya,d.158, kv. 59)

Chromocystoscopy in emergency surgery. Nov.khir.arkh. no.2:15-18 Mr-Ap '58 (MIRA 11:6)

1. Kafedra gospital'noy khirurgii (zav. - prof. R.B. Bogoslavskiy) Stalinskogo meditsinskogo instituta.
(BLADDER--EXPLORATION)