IVANOV, A.G.; MINEYEV, V.N.; NOVITSKIY, Ye.Z.; YANOV, V.A.; BEZRUKOV, G.I.

Anomalous polarization of sodium chloride under shock loading.
Pis'. v red. Zhur. eksper. i teoret. fiz. 2 no.8:353-356 O '65.
(MIRA 18:12)

1. Submitted August 2, 1965.

NOVMANOV, S. (Razgrad)

New mathematical problems. Problem 4. Mat i fiz Bulg 5 no.2:51 Mr-Ap '62

NOVNYK, N. G.

42102 NOVNYK, N. G. Nekot nekotoryesovremennye elektrometricheskieme-rodykontrolya-proievodstva. Polyarogrmetodkhim. Analiea iampero-metrichtitrovanie analiea iamtsero-metrich. Tntrovahiel. Vso: Opyt novatorov mashinostroehiya kuibyshev. 1948. S. 178-81:--Bibliogr: 6 Naev.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948

NOVOBATZKY, K. F.

Novobátzky, K. F. Mehrkörperproblem in der Quantentheorie. Mat. Fiz. Lapok 48, 312-333 (1941). (Hungarian. German summary)

Im Rahmen einer allgemeinen Besprechung des quantentheoretischen Mehrkörperproblems werden die Schwierigkeiten, mit denen die Quantelung des elektromagnetischen Feldes behaftet ist, durch Einführung eines neuartigen [illegible] [illegible] [illegible] [illegible] auch das elektrodynamische Selbstpotential der geladenen Teilchen ausgemerzt, woraus sich ein klassich singularitätenfreier Hamiltonoperator für die Elektrodynamik ergibt.

(Author's summary)

Source: Mathematical Reviews, Vol. 8, No. 5

NOVOBATZKY, K. F.

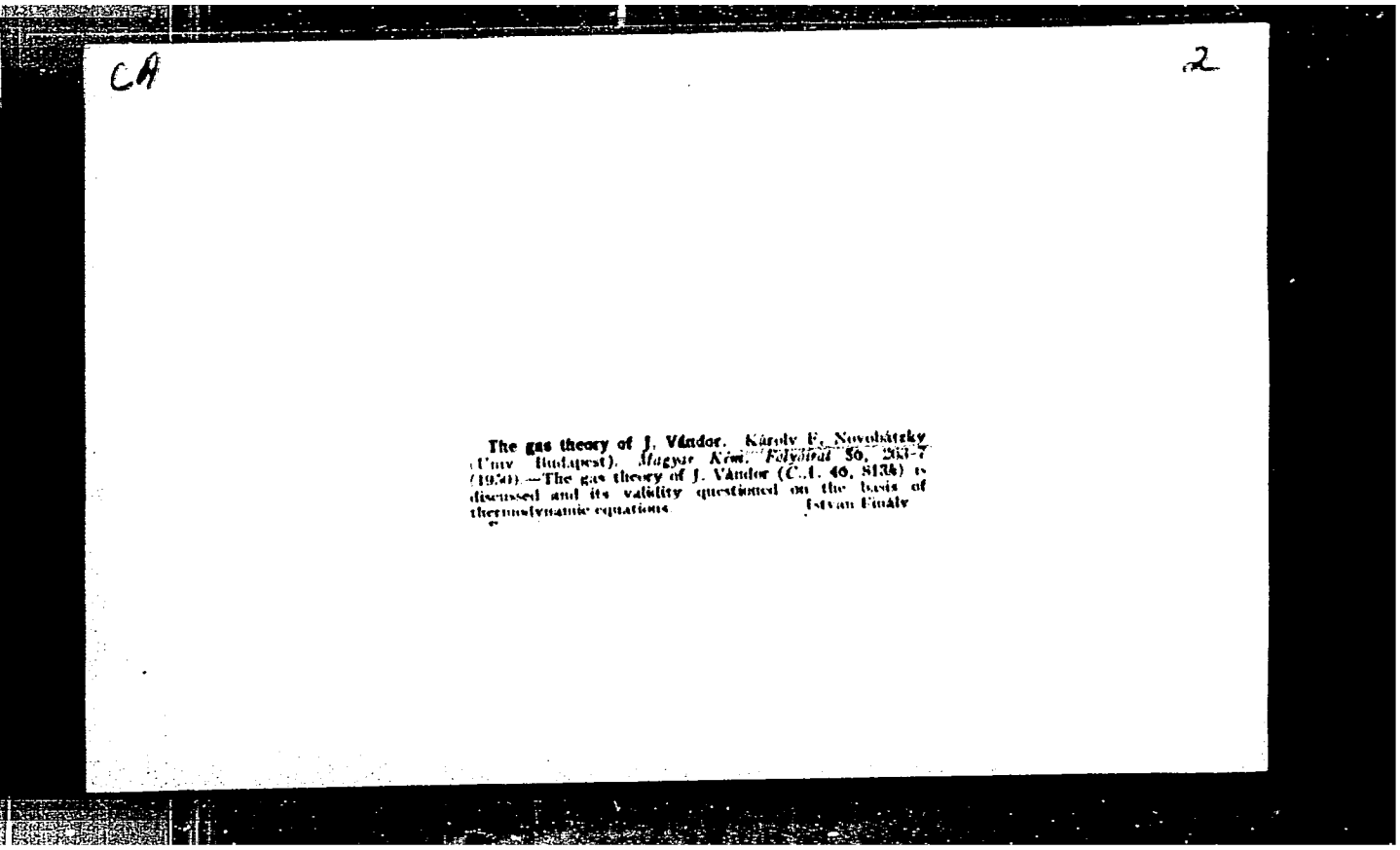
Novobátzky, K. F. Einheitliche Feldtheorie in vier Dimensionen. Hungarica Acta Physica 1, no. 5, 1–6 (1949).

The author defines a parallel displacement in a Riemannian 4-space by the relation

$$d\xi^i = -\overset{0}{\Gamma}{}^i_{kl}\xi^k dx^l - F^i_k \xi^k ds,$$

where $\overset{0}{\Gamma}{}^i_{kl}$ is the Christoffel symbol and F_{ij} is an antisymmetric tensor and ds is the distance from [illegible] to B $(= x^i + dx^i)$. He then shows that the difference of two parallel vector fields will be independent of the point at which the comparison is made if $ds_{AB} + ds_{BA} = 0$. This requires an ordering of points in space-time which he proposes to set up in terms of the values of four [illegible] invariants built up from [illegible], and the vector potential [illegible]. It is pointed out that the Maxwell-Lorentz ponderomotive force equations may be expressed in terms of this parallelism. However, the author [illegible] interpret the constant [illegible] [illegible] does he discuss the field equations. *A. H. Taub* [illegible]

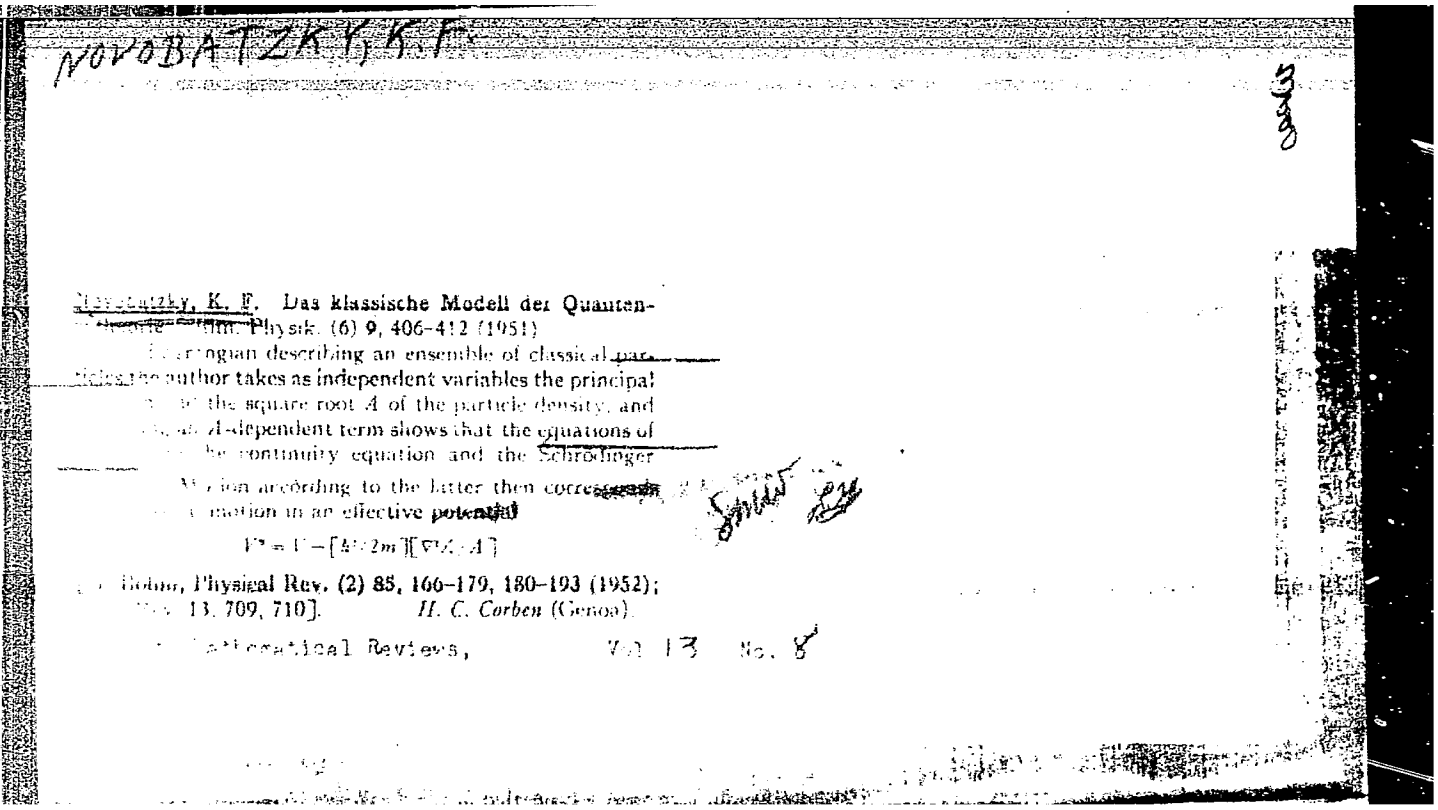
Source: Mathematical Review, [illegible] 11 [illegible] 10



CA

2

The gas theory of J. Vándor. Károly F. Novobátzky (Univ. Budapest). *Magyar Kém. Folyóirat* 56, 253-7 (1950).—The gas theory of J. Vándor (*C.A.* 46, 8136) is discussed and its validity questioned on the basis of thermodynamic equations. István Fináy



NOVOBATZKY, K.F.

Novobatzky, K. F. Das klassische Modell der Quanten-
[illegible] Physik. (6) 9, 406–412 (1951)

[illegible] Hamiltonian describing an ensemble of classical par-
[illegible] the author takes as independent variables the principal
[illegible] of the square root A of the particle density, and
[illegible] A-dependent term shows that the equations of
[illegible] the continuity equation and the Schrödinger
[illegible] tion according to the latter then correspond
[illegible] motion in an effective potential

$$V' = V - [\hbar^2/2m][\nabla^2 A/A]$$

[illegible] Bohm, Physical Rev. (2) 85, 166–179, 180–193 (1952);
[illegible] 13, 709, 710]. *H. C. Corben* (Genoa).

[illegible] Mathematical Reviews, Vol 13 No. 8

NOVOBATZKY, K.F.

Statistical derivation of the quantized energy of radiation and gas. In German. Acta phys.Hung. 10 no.4:407-419 '59. (EEAI 9:4)

1. Physikalisches Institut der Roland Eotvos Universitat, Budapest.
(Radiation) (Gases) (Quantum statistics)

NOVOBATZKY, Karoly, akademikus (Budapest)

Remarks made at the 7th Party Congress. Magy.tud. 66 no.12:627-630 D '59. (EEAI 9:4)
(Hungary--Communist Party) (Hungarian Academy of Sciences)

NOVOBATZKY, Karoly, akademikus (Budapest)

To the memory of a great physicist. Magy.tud. 66 no.11:561-563 N '59. (MIRA 9:4)

1. Magyar Tudomanyos Akademia, Budapest.
(Joliot, Frederic) (Physicists, French)

NOVOBATZKY, Karoly

Inertia and gravitation; a lecture delivered on the 325th anniversary of the existence of the Lorand Eotvos University. Fiz szemle 10 no.9: 259-261 S '60.

1. Eotvos Lorand Tudomanyegyetem Elmeleti Fizikai Intezete, Budapest.

NOVOBATZKY, Karoly, akademikus (Budapest)

Lenin, and the natural sciences. Magy tud 67 no.5/6:327-332 My-Je '60. (EEAI 9:9)

(Lenin, Vladimir Il'ich)
(Natural history)

NOVOBATZKY, Karoly

Inertia and gravitation; a lecture delivered on the occasion of the 325th anniversary of the existence of Lorand Eotvos University. Fiz szemle 10 no.9:259-261 S '61.

1. Eotvos Lorand Tudomanyegyetem Elmeleti Fizikai Intezete, Budapest.

NOVOBATZKY, Karoly

Commemorative address on Niels Bohr. Fiz szemle 13 no.4:99-101 Ap '63.

1. Eotvos Lorand Tudomanyegyetem Elmeleti Fizikai Intezete.

NOVOBATZKY, Karoly

Galileo Galilei, 1564-1642. Fiz szemle 14 no.6:163-166 Je '64.

1. Institute of Theoretical Physics, Lorand Eotvos University, Budapest.

DVORAK, Josef, dr. (Usti nad Labem,Revolucni 86, Czechoslovakia); NOVOBILSKY, Vlastimil (Usti nad Labem, Revolucni 86, Czechoslovakia)

Data on the influence of organic solvents on the temperature of flame. Acta chimica Hung 30 no.3:365-373 '62.

1. Forschungsinstitut fur anorganische Chemie, Usti nad Labem.

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CSSR

KOSSLER I.; NOVOBILSKY, V.

Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague, and Dept. of Physical Chemistry, Charles University, Prague (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 3, 1963, pp 578-584.

"Ultrasonic Degradation of Polychloroprene Aged in Air"

(2)

S/035/60/000/006/005/038/
A001/A001

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 6, p. 18, # 4995

AUTHOR: Novoborskaya, L.

TITLE: Observations of the Comet Mrkos, 1957d

PERIODICAL: Astron. tsirkulyar, 1959, sent. 4, No. 204, pp. 5-6

TEXT: The comet was photographed by means of an astrograph of the GAO (Main Astronomical Observatory AS UkrSSR (D = 40 cm, F = 5.5 cm) in August, 1957. The plates were measured on the KIM-3 (KIM-3) measuring machine, processing was performed by Kayser's method. Five comet positions and a list of fundamental stars are given.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

BOCHKAREV, B.I., kand. sel'skokhozyaystvennykh nauk; NOVOBRANTSEV, F.K., kand. tekhn. nauk.

Surface ensilage of feeds. Zhivotnovodstvo 20 no.6:39-44 Je '58. (MIRA 11:6)
(Ensilage)

MOVOBRANTSEV, F.K., kand.tekhn.nauk

The completely mechanized swine farm. Zhivotnovodstvo 21 no.2:81-84 F '59. (MIRA 12:3)

(Swine houses and equipment)

NOVOBRANTSEV, F.K., kand. tekhn. nauk

New machinery for feed preparation. Zhivotnovodstvo 21 no.11:61-66 N '59 (MIRA 13:3)
(Feed mills)

NOVOBRANTSEV, E.K., kand. tekhn. nauk; CHICHEV, Yu.I., red.;
OKOLELOVA, Z.P., tekhn. red.

[Mechanization on swine farms] Mekhanizatsiia na svinovodcheskikh fermakh. Moskva, Sel'khozizdat, 1963. 142 p.
(MIRA 17:3)

S/056/62/043/003/028/063
B102/B104

AUTHORS: Veklenko, B. A., Novobrantsev, I. V.

TITLE: Single-electron approximation in collision theory

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 3(9), 1962, 919-926

TEXT: Since the single-electron approximation is of no value in variational calculations many authors have abandoned it (Proc. Roy. Soc. A205, 483, 1951; A241, 522,1957; Phys. Rev. 108, 716, 1957; 119, 1283, 1960). The present authors now prove its applicability for studying electron - atom collisions and show that this approximation can be of great use in calculations of electron scattering from many-electron atoms when the wave function of the system depends on many variables. This is demonstrated in the example of an infinitely slow electron colliding with an N-electronic atom. Exchange and polarization effects are taken into account. The equation obtained for the energy of the system agrees with the classical Hartree-Fock equation for bound electrons. As a concrete problem, the scattering of a zero-energy electron from a hydrogen atom is calculated.

Card 1/2

S/056/62/043/003/028/063
B102/B104

Single-electron approximation in ...

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Institute of Power Engineering)

SUBMITTED: March 15, 1962

Card 2/2

MIKHIN, Yu.I.; VIRGIL'YEV, Yu.S.; NOVOBRATSKAYA, I.F.

Considering the texturing of a specimen in analyzing the intensity of the diffraction image from graphite carbon materials. Konstr. uglegraf. mat. no.1:274-280 '64.

Determining the specific weight of carbon graphite materials by the method of X-ray weakening. Ibid.:291-295 (MIRA 17:11)

S/182/61/000/011/002/005
D038/D113

AUTHORS: Novobratskiy, R. L., Seredin, P. I. and Tyurin, N. N.

TITLE: Production of forged rods with improved mechanical properties from titanium alloys

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 11, 1961, 12-15

TEXT: The effect of the deformation stage on the mechanical properties of forged rods was studied. The rods were extruded from BT5 (VT5) and BT3-1 (VT3-1) titanium alloys listed in Table 1. Forgings were cast in vacuum arc furnaces in 2 meltings, and heated in a fuel oil furnace with a mild oxidizing atmosphere. VT5 titanium alloy specimens were annealed at 750 ± 10°C, aged for 2 hours, and cooled in air. VT3-1 titanium alloy specimens were homogenized at 870 ± 10°C, aged for 2 hours, cooled to 650°C in a furnace, aged for 1 hour at 650°C, and cooled in air. It is stated that the degree of deformation for the VT5 titanium alloy was zero at 1020°C and for the VT3-1 titanium alloy zero at 1030°C. The annealed and un-annealed specimens underwent tensile and impact tests. The authors conclude that (1) by increasing the degree of deformation after the last heating, the plasticity

Card 1/2

Production of forged rods ...

and strength of the forged rods can be raised with a corresponding structural change in the metal; (2) to bring the mechanical properties of the rods to the suitable TY (TU) specifications by forging, the following degree of deformation should be used after the last heating - 60-70% for the VT5 titanium alloy, and 50-60% for the VT3-1 titanium alloy; (3) the new forging process improved the metal quality, and reduces rejects. N. N. Averkina and A. A. Petrova took part in the laboratory tests. There are 6 figures, 3 tables and 2 Soviet-bloc references.

Table 1. VT5 and VT3-1 Titanium alloys

Alloy	Ti	Al	Cr	Mo	Fe	Si	C	N	H
VT5	Base	5.23	-	-	0.11	0.05	0.047	0.011	0.006
VT3-1	Base	6.16	2.17	2.61	0.58	0.06	0.040	0.031	0.006

Card 2/2

NOVOBYTOV, A.

Atomic dirigible. Grazhd. av. 21 no.10:28 O '64. (MIRA 18:3)

ACC NR: AR6036138 (A,N) SOURCE CODE: UR/0398/66/000/010/A059/A059

AUTHOR: Kozyrchuk, L. R.; Novochadov, P. V.

TITLE: Equipment, insulation water-repellent covers, and deck sheathing in refrigerator holds on board ships of the fishing industry fleed

SOURCE: Ref. zh. Vodnyy transport, Abs. 10A497

REF SOURCE: Sb. Rybolovn. flot. T. 2. L., Sudostroyeniye, 1965, 158-164

TOPIC TAGS: refrigeration, fishing ship, insulating material

ABSTRACT: Conditions of storage and transportation of fish and its products in refrigerated holds are examined. To assure the correct temperature conditions in holds it is recommended to keep air spaces between the insulation material and the cargo. This can be accomplished with bars and movable gratings made of wood, light alloys, or plastics. A brief description is given of the hold machinery most widely used on vessels of the fishing industry and of initial conditions of calculation and designing of heat insulation, taking into consideration additional requirements with regard to shipboard insulation materials and insulation design. The merits,

Card 1/2 UDC: 629.12.06:621.56

ALEKSEYEV, Aleksey Nikolayevich; GEORGIYEV, Oleg Georgiyevich; ROMANOVA, G.I., otv. za vyp.; NOVOCHADOVA, L.A., red.; RAKITIN, I.T., tekhn. red.

[Medicobiological problems of space flights; materials for a lecture] Mediko-biologicheskie problemy poletov v kosmos; material k lektsii. Moskva, Izd-vo "Znanie," 1962. 48 p. (MIRA 17:3)

NOVOCHADOVA, N.V.

Contours of hydrogen lines for stars of early spectral classes.
Uch.zap.Len.un. no.153:105-113 '52. (MLRA 8:6)
(Stars--Spectra)

DOMBROVSKIY, V.A.; NOVOCHADOVA, N.V.

Polarization of the light of certain stars Cephei and Lacertae.
Vest. LGU 8 no.2:37-46 F '53. (MIRA 12:7)
(Stars) (Polarization (Light))

112-57-7-14298

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 7, p 77 (USSR)

AUTHOR: Novod, F., and Pobul, G.

TITLE: Closed-Mesh Distribution Networks in the Estonian SSR (K voprosu o raspredelitel'nykh setyakh po zamknutoy skheme v ESSR), (Electrienergia jaotamise segasusteemi rakendamise voimalustest Eesti NSV-s)

PERIODICAL: Sots. pollumajandus, 1956, Nr 8, pp 23-25

ABSTRACT: Bibliographic entry.

Card 1/1

NOVODED, N. F., mladshiy nauchnyy sotrudnik

Chlorophos for controlling the shield bug Eurygaster integriceps. Zashch. rast. ot vred. i bol. 6 no.6:31 '61. (MIRA 26:4)

1. Ukrainskiy institut zashchity rasteniy, Kiyev.

(Chlorophos) (Eurygasters--Extermination)

NOVOD, F.

Determination of the fundamental parameters of units for series compensation. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh.nauk no.4: 403-409 '64. (MIRA 18:4)

1. Institut termofiziki i elektrofiziki AN Estonskoy SSR.

NOVODED, N.F., nauchnyy sotrudnik

"Khlorofos" insecticide. Nauka i zhizn' 28 no.1:77-78 Ja '61.
(MIRA 14:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut zashchity rasteniy, Kiyev.
(Insecticides)

NOVODED, M.F.

What the control has shown. Zashch. rast. ot vred. i bol. 8 no.12: 17-18 D '63. (MIRA 17:3)

1. Glavnyy agronom "Ukrsel'khoztekhniki" po yadokhimikatam.

BONDIN, V.P.; SVECHNIKOV, I.D.; CHIGAREV, G.A.; PANAFIDIN, K.A.; MEZIN, A.F.; KUDEL', K.A., kand.biolog.nauk (Kiyev); NOVODED, M.F., mladshiy nauchnyy sotrudnik (Kiyev)

Mist spraying against the Colorado beetle. Zashch.rast.ot vred.i bol. 7 no.6:50-53 Je '62. (MIRA 15:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut Grazhdanskogo vozdushnogo flota, Vsesoyuznyy institut zashchity rasteniy i Ministerstvo sel'skogo khozyaystva Belorusskoy SSR (for Bondin, Svechnikov, Chigarev, Panafidin, Mezin). 2. Ukrainskiy institut zashchity rasteniy (for Novoded).

(Potato beetle) (Spraying and dusting)

NOVODELOV, G.

Fighting steppe fires. Pozh. delo 4 no.1:17-20 Ja '58. (MIRA 11:1)

1. Nachal'nik otdela Upravleniya pozharnoy okhrany Kazakhskoy SSR.
(Fire extinction) (Steppes)

NOVODENSKIY, Valeriy Vladimirovich; MARCHENKO, Aleksandr Afanas'yevich; LEBEDEV, Aleksandr Sergeyevich; KURYSHEV, Viktor Vasil'yevich; APIRIN, B.S., inzhener, redaktor; UDAL'TSOV, A.N., glavnyy redaktor

[Semiautomatic device for milling spiral grooves on rollers. Semiautomatic device for machining both faces. Device for machining slits in threaded stoppers. Device for milling casings] Poluavtomat dlia frezerovaniia spiral'nykh kanavok na valikakh. Poluavtomat dlia frezerovaniia dvukh tortsov. Prisposoblenie dlia frezerovaniia shlitsev v rez'bovykh probkakh. Prisposoblenie dlia frezerovaniia koshukha. Moskva, 1956. 17 p. (Peredovoi proizvodstvenno-tekhnicheskii opyt. Ser. 11, Frezernye i zuboreznye raboty. No.T-56-188/4) (MLRA 10:9)

1. Moscow. Institut tekhniko-ekonomicheskoy informatsii
(Machine tools--Attachments)

NOVODEREZHKIN, P.I.

SERGEYEV, M.Ye., professor; PALLADOV, S.S., dotsent; NOVODEREZHKIN, P.I., dotsent; KIRYUKHIN, T.F., dotsent; TSEREVITINOV, B.P., dotsent; GUREVICH, B.S., kandidat tekhnicheskikh nauk; ANDRUSEVICH, D.A., st. prepodavatel'; GRANOVSKAYA, I.Ye., redaktor.

[Science of industrial wares] Tovarovedenie promyshlennykh tovarov. Moskva, Gos. izd-vo torgovoi lit-ry. Vol. 2. 1954. 663 p.(MLRA 7:8)
(Manufactures)

NOVODEREZHKIN, R.I.

NOVODEREZHKIN, R.I., kand. tekhn. nauk.

Reflection of visible and ultraviolet light from the surface of white knit goods. Leg. prom. 16 no.8:35-38 Ag '56. (MIRA 10:12)
(Knit goods) (Reflection (Optics))

NOVODEREZHKIN, P. I., kandidat tekhnicheskikh nauk (g. L'vov)

Transmission of ultraviolet rays through packaging materials. Sov. torg. no.9:53 S '57. (MLRA 10:8)
(Ultraviolet rays) (Packaging)

KISELEV, Vasiliy Stepanovich; SHCHEGLOV, Lev Mikhaylovich; ARKHANGEL'SKIY, N.A., prof., red.; KALLIGA, G.P., dotsent, retsenzent; YEGORKIN, N.I., prof., retsenzent; DAVANKOV, A.V., dotsent, retsenzent; NOVODEREZHKIN, P.I., dotsent, retsenzent; KUTYANIN, G.I., prof., retsenzent; BULGAKOV, N.V., prof., retsenzent; BORISOVA, G.A., red.; MEDRISH, D.M., tekhn.red.

[Articles made from silicates, plastics and chemical industry products] Tovary silikatnye, iz plasticheskikh mass i khimiko-moskatel'nye. Pod red. N.A. Arkhangel'skogo. Moskva, Gos. izd-vo torg. lit-ry, 1958. 320 p. (MIRA 12:2)

1. Kafedra tovarovedeniya promtovarov Vsesoyuznogo zaochnogo instituta sovetskoy torgovli (for Bulgakov).
(Glassware) (Plastics) (Pottery)

NOVODEREZHKIN, P.I., kand. tekhn. nauk; LEGKUN, Ya.A., inzh.

Effect of the light and atmospheric conditions on knit goods made of lustrous and mat viscose silk. Izv.vys.ucheb.zav.; tekh. leg.prom. no.4:134-138 '58. (MIRA 11:12)
(Synthetic fabrics--Testing)

NOVOLEZHKIN, P.I., kand. tekhn. nauk.

Passing of ultraviolet and blue-violet rays through dry and wet knit fabrics. Izv.vys. ucheb. zav.; tekh. leg. prom. no.4:139-147 '58. (MIRA 11:12)

1.L'vovskiy torgovo-ekonomicheskiy institut.
(Knit goods--Testing) (Ultraviolet rays)

NOVODEREZHKIN, P.I., kand.tekhn.nauk, dots.

Changes in optical properties of knitted cotton fabrics caused by bleaching. Izv.vys.ucheb.zav.; tekh.leg.prom. no.6:68-74 '58.
(MIRA 12:4)

1. L'vovskiy torgovo-ekonomicheskiy institut.
(Knit goods--Testing)

NOVODEREZHKIN, P.I., kand. tekhn. nauk.

Comparative evaluation of the penetration of ultraviolet and visible rays through white knit goods. Leg. prom. 18 no.2:21-23 F '58. (MIRA 11:2)

(Knit goods) (Ultraviolet rays--Physiological effect)

NOVODEREZHKIN, P.I., kand.tekhn.nauk

Permeability of silk fabrics to ultraviolet and blue violet rays. Tekst. prom. 18 no.9:51-53 S '58. (MIRA 11:10)
(Silk--Testing)

NOVODERZHKIN, Petr Ivanovich; PALLADOV, S.S.; TER-OVAKIMYAN, I.A.; ARKHANGEL'SKIY, N.A., red.

[Clothing and knit goods] Tovary shveinye i trikotazhnye. Moskva, Gos.izd-vo torg.lit-ry, 1959. 344 p. (MIRA 13:6)
(Knit goods) (Clothing and dress)

NOVODEREZHKIN, P.I.

Changes in the luster of artificial fibers. Izv.vys.ucheb. zav.; tekh.tekst.prom. no.4:32-38 '59. (MIRA 12:11)

1. L'vovskiy torgovo-ekonomicheskiy institut.
(Textile fibers, Synthetic--Optical properties)

NOVODEREZHKIN, P.I., kand.tekhn.nauk, dotsent

Using the method of spectral light reflection for comparative evaluation of the dyeability of knit fabrics made of mat and lustrous rayon. Izv.vys.ucheb.zav.; tekh.leg.prom. no.3:67-74 '60. (MIRA 13:8)

1. L'vovskiy torgovo-ekonomicheskiy institut. Rekomendovana otchetnoy nauchnoy konferentsiyey professorsko-prepodavatel'skogo sostava.

(Dyes and dyeing--Rayon)

NOVODEREZHKIN, P.I., dotsent, kand.tekhn.nauk

Using optical methods for the analysis of synthetic fibers. Tekst. prom. 21 no.1:43-47 Ja '61. (MIRA 14:3)
(Synthetic fibers—Testing) (Polarization(Light))

PUGACHEVSKIY, G.F., aspirant; NOVODEREZHKIN, P.I., prof.

System for sun exposure test of textile fabrics. Tekst. prom. 24 no.9:60-61 S '64. (MIRA 17:11)

1. Kafedra tovarovedeniya promyshlennykh tovarov L'vovskogo torgovo-ekonomicheskogo instituta.

38996

S/096/62/000/007/001/002
E191/E435

26.2120

AUTHORS: Sherstyuk, A.N., Candidate of Technical Sciences
Novoderezhkin, V.P., Engineer

TITLE: Contribution to the determination of velocities in an axial turbo-machine, taking into account the curvature of the streamlines in the axial cross-section

PERIODICAL: Teploenergetika, no.7, 1962, 50-53

TEXT: The problem has been solved in principle but the solution is laborious, requiring 2 sets of approximations. In the first approximation, the axial velocity components are determined from the given tangential components, ignoring the curvature of the streamlines in the axial cross-section. The continuity equations then yield the streamlines and their curvature. From this curvature, another approximation of the axial components is obtained. NASA Report No.955, 1950, contains an approximate formula for obtaining the second approximation streamlines from the first so that a third approximation is unnecessary, but the computations remain laborious. H. Petermann ("Konstruktion", 1, 1956) has given an approximate solution dispensing with

Card 1/3

Contribution to the determination ... S/096/62/000/007/001/002
E191/E435

computed with and without consideration of streamline distortion, are compared. There are 3 figures.

ASSOCIATION: Moskovskiy energeticheskiy institut
(Moscow Power Engineering Institute)

Card 3/3

ACC NR: AP6033475 SOURCE CODE: UR/0413/66/000/018/0061/0061

INVENTOR: Novoderezhkin, V. V.; Kolobova, V. I.; Manoim, G. I.; Porshnyakova, Z. S.; Pucheglazova, I. I.; Izraileva, E. S.

ORG: none

TITLE: Method of producing positive electrodes of dry-charged lead-acid storage batteries. Class 21, No. 185989

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 61

TOPIC TAGS: storage battery, battery component, positive electrode, lead oxide, electrode design

ABSTRACT: An Author Certificate has been issued for a method of producing positive electrodes by pasting, drying, forming, neutralizing the acid, and hot-air drying them in multizone continuous-motion dryers. To simplify production technology, the acid is neutralized during the drying process by lead oxide contained in the active material. Drying takes place at a temperature up to 200C, with relative air humidity not over 30%, and with 5—6 m/sec air velocity for 15 to 20 min. Air temperature is then reduced to 100C—120C, and the process is maintained at this temperature for 5 to 7 minutes.

SUB CODE: 10/ SUBM DATE: 08May65/

Card 1/1 UDC: 621.3.035.23:66.047.3

FUKS, D.A., inzh.; NOVODEREZHKIN, V.V., inzh.; SHEYNINA, F.B., inzh.; IZRAILEVA, E.S.; DUROV, V.P., inzh.

New method for using storage batteries in electric power stations and substations. Energetik 12 no.7:27-29 Jl '64. (MIRA 17:9)

DASOYAN, Martin Avetisovich, kand. tekhn. nauk; NOVODEREZHKIN, Vladimir Vasil'yevich, inzh.; TOMASHEVSKIY, Fedor Feliksovich, inzh.; SOROKINA, M.I., red.

[Manufacture of storage batteries] Proizvodstvo elektricheskikh akkumuliatorov. Moskva, Vysshaia shkola, 1965. 411 p. (MIRA 18:6)

NOVODEREZHKINA, L. N.

"Innervation of an Artery." Thesis for degree of Cand. Medical Sci. Sub 13 Nov 50, First Moscow Order of Lenin Medical Inst

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950

NOVODEREZHKINA, L.N.

Age-related morphology of the motor nerve end[illegible] of the masse-
ter and facial muscles in rabbits. Trudy SMI 1[illegible] - [illegible]
(RA [illegible])

1. Iz kafedry normal'noy anatomii (zav. - prof. I.A. Shangina)
Smolenskogo gosudarstvennogo meditsinskogo instituta.

NOVODERZHKINA, Yu.G.

Effect of trace elements in increasing the vitamin C activity of tomatoes. Fiziol.rast. 7 no.1:121-123 '60. (MIRA 13:5)

1. Department of Hygiene, Rostov-on-Don State Medical Institute.
(Trace elements) (Tomatoes) (Ascorbic acid)

NOVODERZHKINA, Yu.G.

Vitamin C activity in tomatoes. Vop.pit. 19 no.1:90 Ja-F '60.
(MIRA 13:5)

1. Iz kafedry obshchey gigiyeny (zav. - prof. L.G. Zhitomirskiy) Rostovskogo-na-Donu meditsinskogo instituta.
(VITAMIN C)
(VEGETABLES chemistry)

NOVODERZHKINA, Yu.G., kand.med.nauk; SMIRNOVA, V.N., mladshiy nauchnyy sotrudnik

Using chemicobacteriological methods for decontaminating and processing refuse. Sbor.nauch.trud.RNII AKKH no.3:68-75 '63. (MIRA 18:10)

1. Ispolnyayushchiy obyazannosti zaveduyushchego khimiko-bakteriologicheskoy laboratoriyey Rostovskogo nauchno-issledovatel'skogo instituta Akademii kommunal'nogo khozyaystva (for Novoderzhkina).

NOVODERZHKIN, A., inzhener; GRINBLAT, A., inzhener.

Readers' comments on D.N.Gavrichenkov's pamphlet "Utilization of the productive capacity of the grain milling industry." Muk.-elev.prom. 20 no.9:31 S '54. (MLRA 7:12)

1. Rostovskiy trest Glavmuki (for Novoderzhkin). 2. Voronezhskiy trest Glavmuki (for Grinblat).
(Grain milling) (Gavrichenkov, D.N.)

NOVODERZHKIN, A.; ZIL'BERING, M.

Raising the level of economic work as an important condition for a further upsurge of production. Muk.-elev. prom. 29 no.12:8-9 D '63. (MIRA 17:3)

1. Nachal'nik planovo-finansovogo otdela Rostovskogo upravleniya khleboproduktov (for Novoderzhkin). 2. Glavnyy bukhgalter Bel'tskogo kombinata khleboproduktov No.3 (for Zil'bering).

POLTAVSKAYA, I.A., kand. sel'khoz. nauk; ZHELDAKOVA, G.G.; NOVODERZHKINA, Yu.G.

Effect of organic-mineral fertilizers and the AMB bacterial preparation on the growth and development of woody plants. Agrobiologiia no.5:736-739 S-O '61. (MIRA 14:10)

1. Rostovskiy nauchno-issledovatel'skiy institut Akademii kommunal'nogo khozyaystva.
(Woody plants—Fertilizers and manures)

NOVODEVICHENSKIY, A.

Machine for reconditioning supporting surfaces of an anvil block. (MIRA 18:4)
Mashinostroitel' no.3:10 Mr '65.

AVDEYEVA, T.I.; NOVOLODSKAYA, A.A.

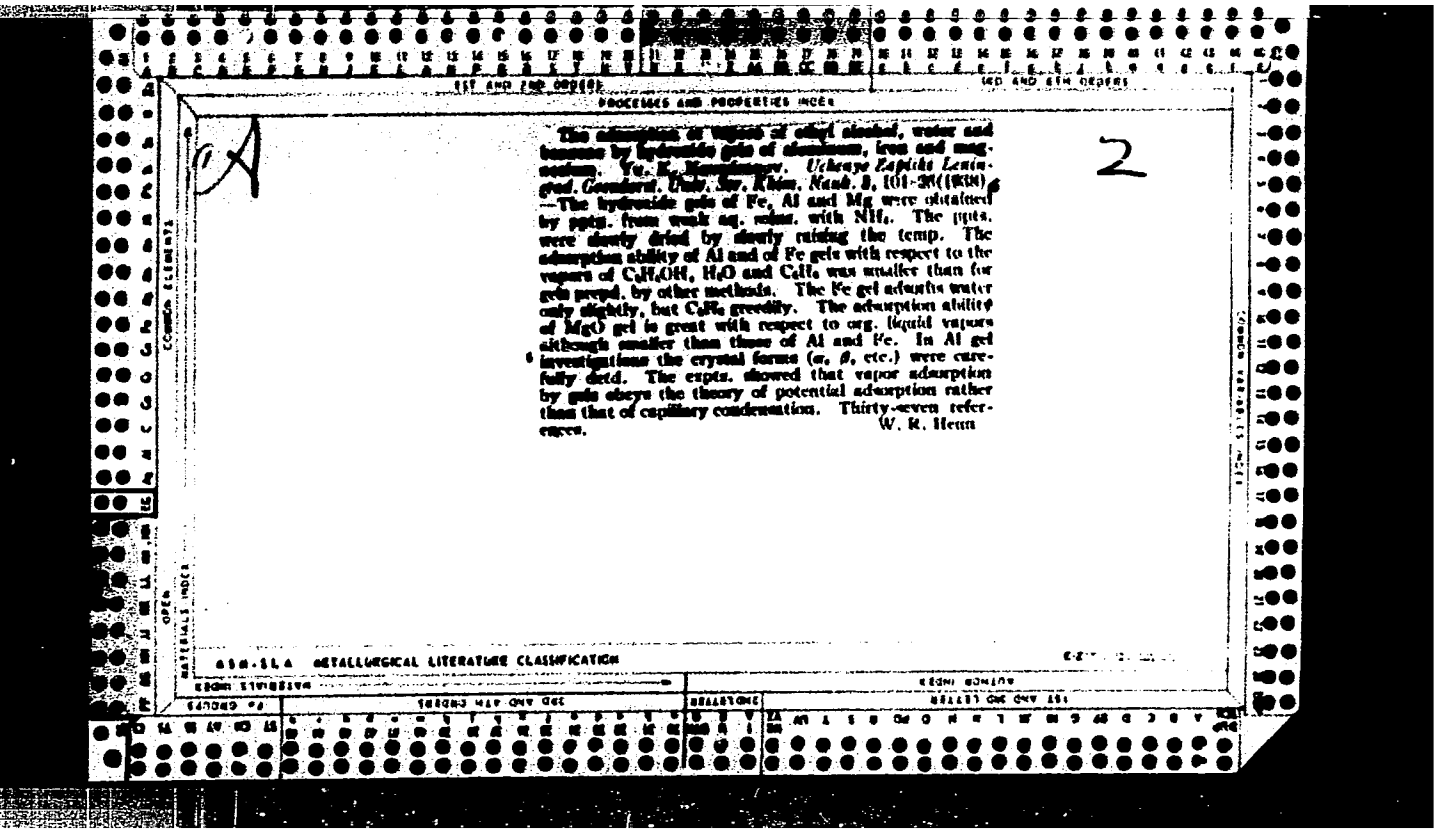
Interaction of sodium and potassium aluminosilicates $R_2O \cdot Al_2O_3 \cdot 2SiO_2$ with calcium carbonate at temperatures of sintering. Izv. SO AN SSSR n. 7 Ser. khim. nauk no.2:82-88 '64 (MIRA 18:1)

1. Khimiko metallurgicheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

PROCESSES AND PROPERTIES INDEX

[illegible] properties of alginic acid. J. K. Novo-[illegible]. Ann. Leningrad State Univ., Chem. Ser. 1, [illegible]-71([illegible]).—[illegible] acid forms well-defined salts with Pb, Zn, Al, Fe, Cu, Ag, K, Na and NH_4. The Na, K and NH_4 alginates yield solns. of high η; the surface tension at the interfaces H_2O-air and -C_6H_6 is depressed by the salts where the concn. is 0.125 to 2.5% and augmented at a concn. of 5%. H. C. A.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



PROCESSES AND PROPERTIES INDEX

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

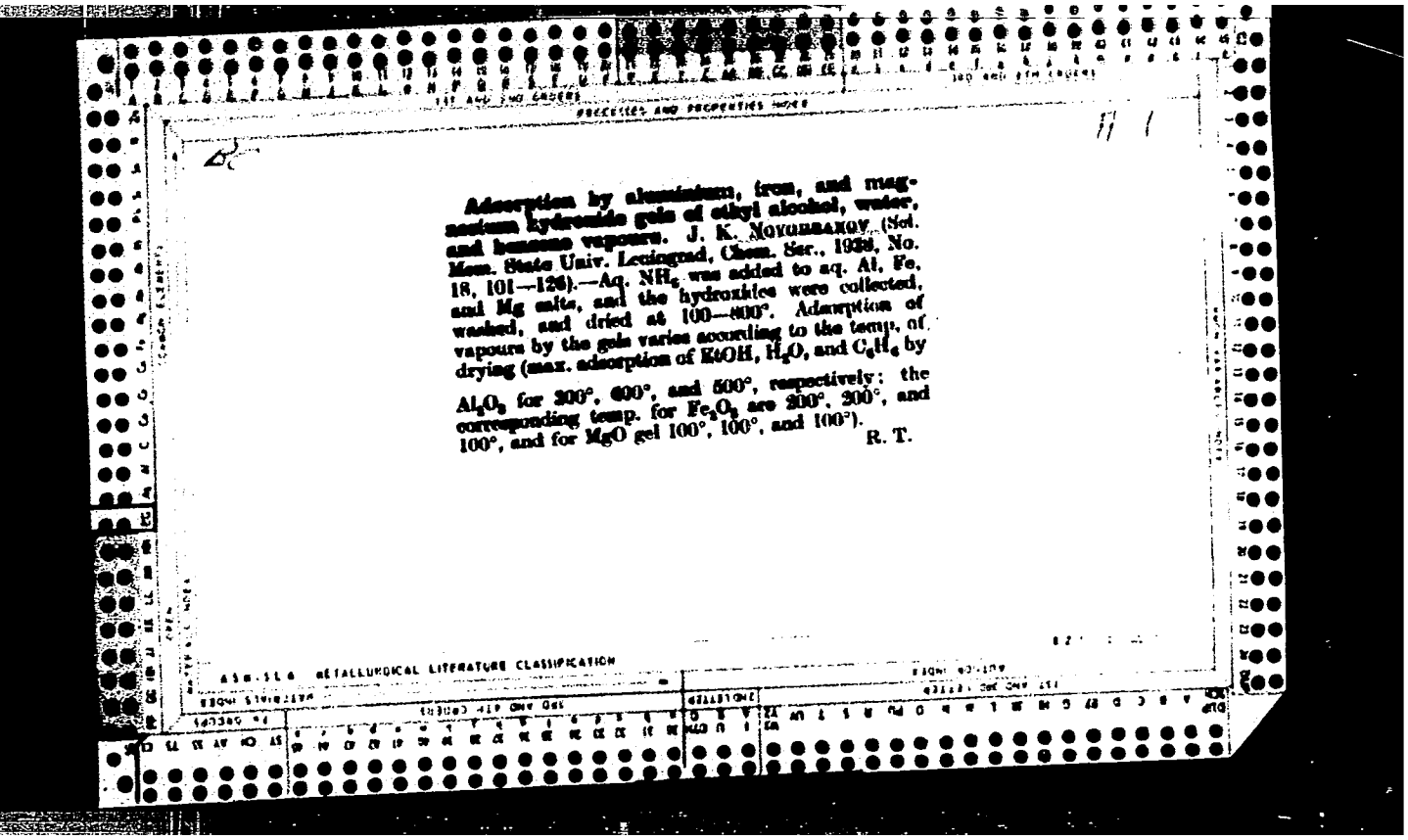
A

2

The adsorption of vapors of ethyl alcohol, water and benzene by hydroxide gels of aluminum, iron and magnesium. Yu. K. Novoselitskiy. *Uchenye Zapiski Leningrad. Gosudarst. Univ., Ser. Khim. Nauk.* 8, 101-38((RSS)).—The hydroxide gels of Fe, Al and Mg were obtained by ppts. from weak aq. solns. with NH_4. The ppts. were slowly dried by slowly raising the temp. The adsorption ability of Al and of Fe gels with respect to the vapors of C_2H_5OH, H_2O and C_6H_6 was smaller than for gels prepd. by other methods. The Fe gel adsorbs water only slightly, but C_6H_6 greedily. The adsorption ability of MgO gel is great with respect to org. liquid vapors although smaller than those of Al and Fe. In Al gel investigations the crystal forms (α, β, etc.) were carefully detd. The expts. showed that vapor adsorption by gels obeys the theory of potential adsorption rather than that of capillary condensation. Thirty-seven references.

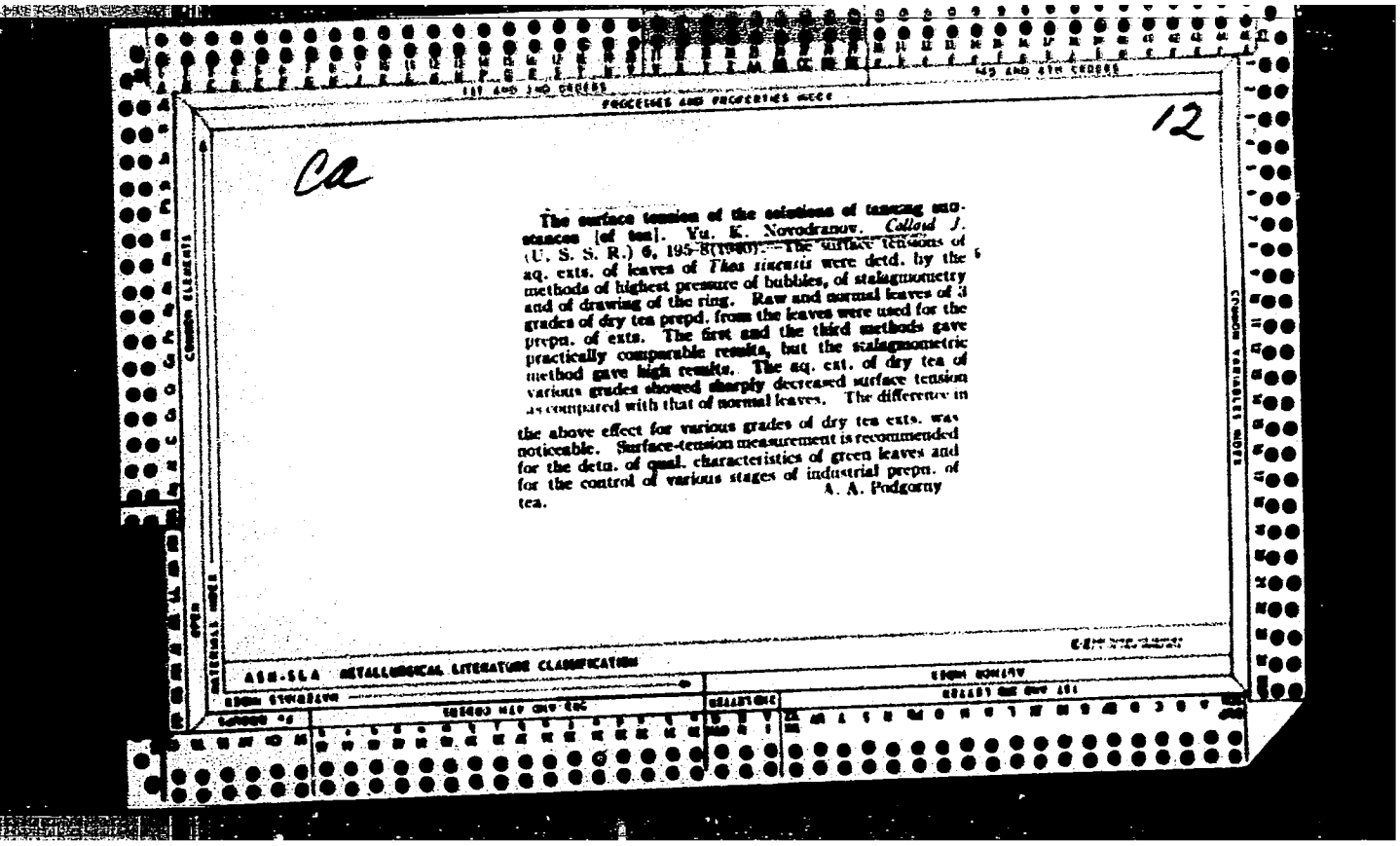
W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Adsorption by aluminium, iron, and magnesium hydroxide gels of ethyl alcohol, water, and benzene vapours. J. K. Novitskiĭ-Kotov. (Sci. Mem. State Univ. Leningrad, Chem. Sec., 1938, No. 18, 101—126).—Aq. NH_3 was added to aq. Al, Fe, and Mg salts, and the hydroxides were collected, washed, and dried at 100—800°. Adsorption of vapours by the gels varies according to the temp. of drying (max. adsorption of EtOH, H_2O, and C_6H_6 by Al_2O_3 for 300°, 400°, and 500°, respectively; the corresponding temp. for Fe_2O_3 are 200°, 300°, and 100°, and for MgO gel 100°, 100°, and 100°).

R. T.



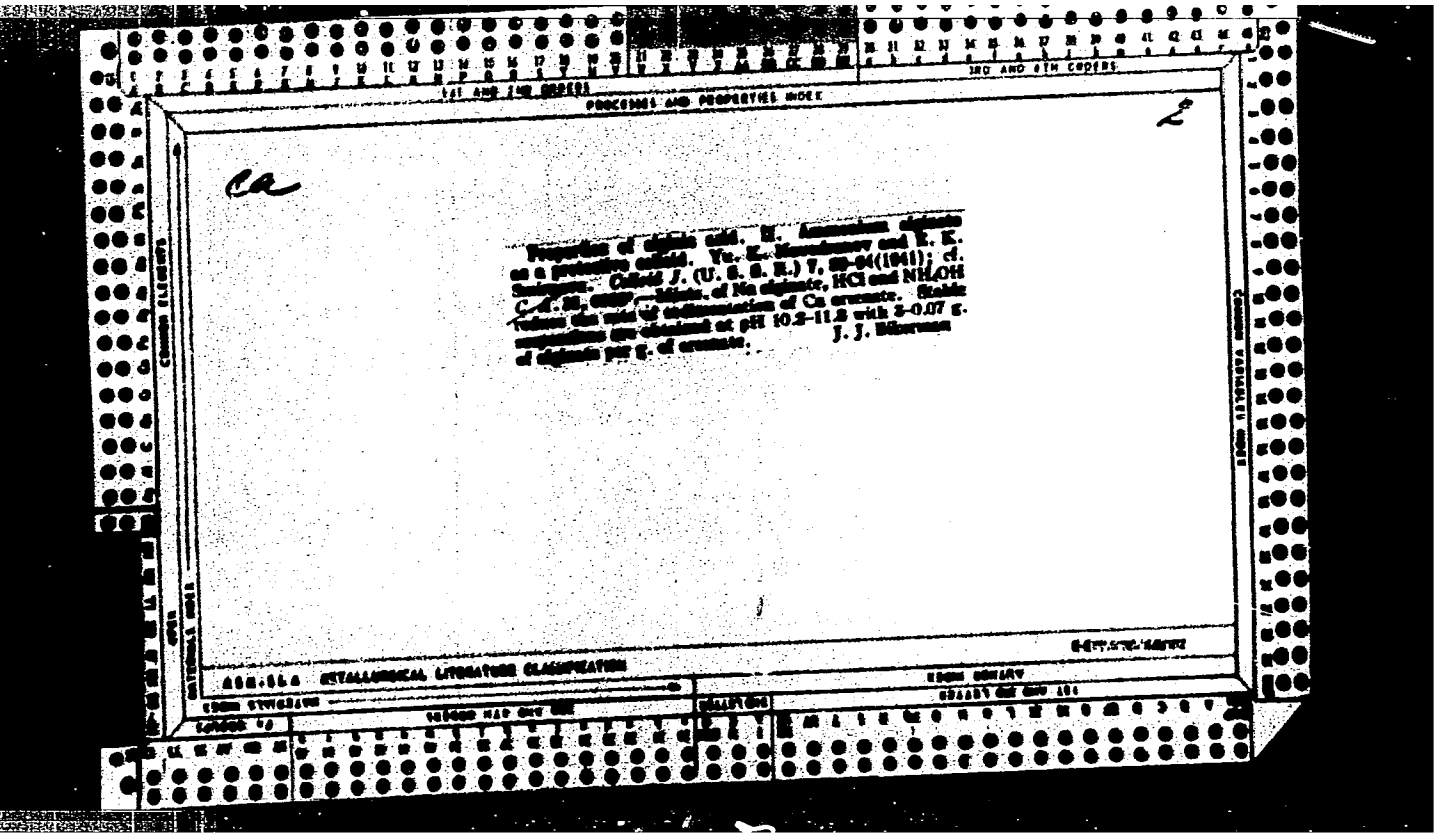
12

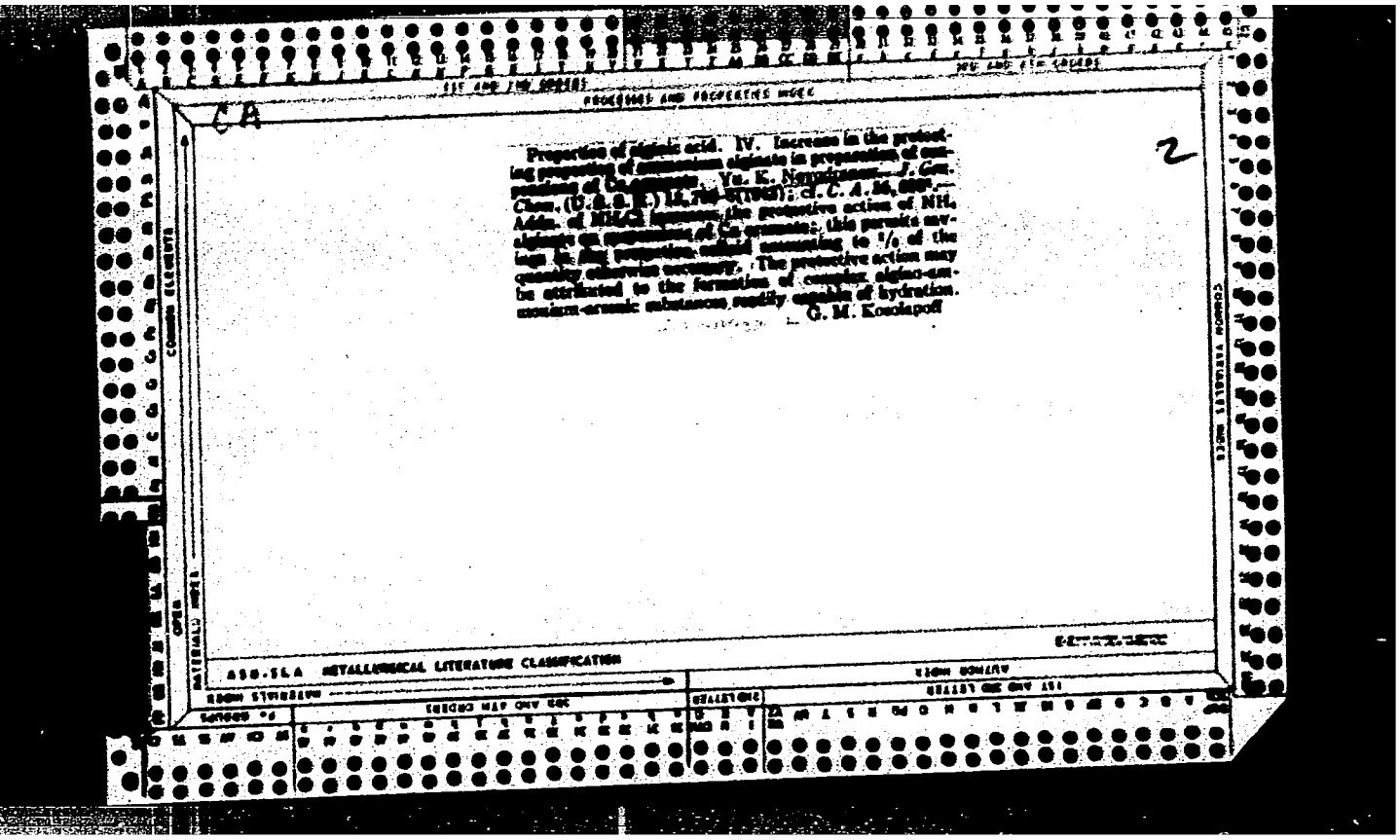
Ca

The surface tension of the solutions of tanning substances [of tea]. Yu. K. Novodranov. *Colloid J.* (U. S. S. R.) 6, 195-8(1940).—The surface tensions of aq. exts. of leaves of *Thea sinensis* were detd. by the methods of highest pressure of bubbles, of stalagmometry and of drawing of the ring. Raw and normal leaves of 3 grades of dry tea prepd. from the leaves were used for the prepn. of exts. The first and the third methods gave practically comparable results, but the stalagmometric method gave high results. The aq. ext. of dry tea of various grades showed sharply decreased surface tension as compared with that of normal leaves. The difference in the above effect for various grades of dry tea exts. was noticeable. Surface-tension measurement is recommended for the detn. of qual. characteristics of green leaves and for the control of various stages of industrial prepn. of tea.

A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION





NOVODRANOV, Yu.K.

31029. NOVODRANOV, IU. K. Morskie vodorosli kak istochnik pishchevogo i promyshlennogo syr'ia. (Priroda, 1946, no. 12, p. 45–54, illus.) 37 refs. ***Title tr.:*** Marine algae as the source of raw materials for nutrition and industry.

Contains discussion of the economic importance of seaweeds, evaluation of their resources in Russian northern seas, and chemical analysis: albumin, carbohydrates, cellulose, fat, organic acids (algin), fat, etc. Technological schemes are outlined for the extraction (fig. 1 and 2) and uses of algae in the food industry, in medicine, manufacture, and as cattle feed and fertilizer. The most important marine algae are noted: *Laminaria, Ulva, Porphyra, Rhodymenia,* etc., and their uses discussed.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

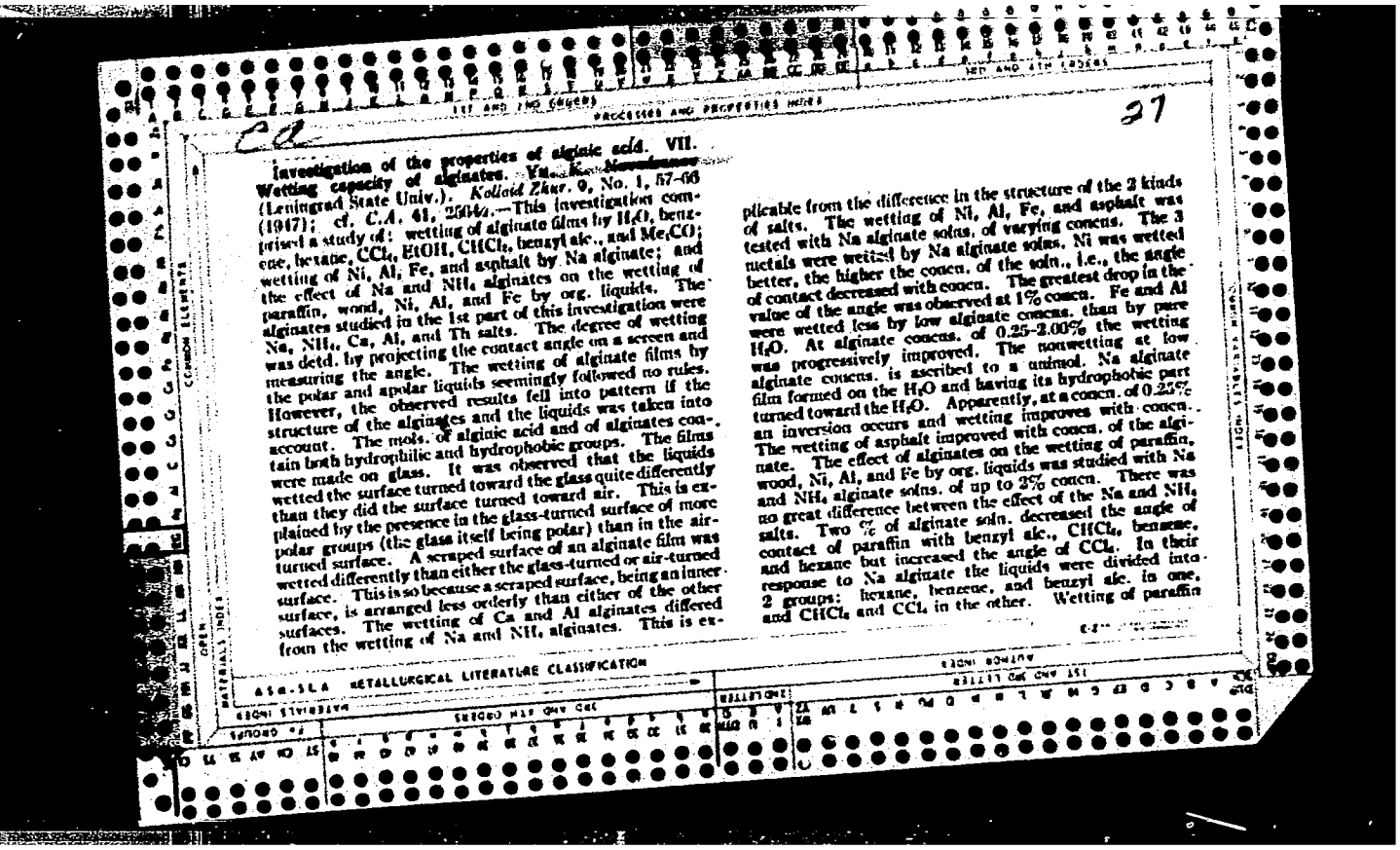
3RD AND 4TH ORDERS

CA

22

Properties of alginic acid. V. Alginates as emulsifiers. Yu. K. Novodranov (Leningrad State Univ.). *J. Applied Chem.* (U.S.S.R.) 19, 517-20(1946)(in Russian); cf. C.A. 39, 834[4].—Salts of alginic acids can be used as emulsifiers of bitumen in water. The Na and Mg salts are not suitable, while NH_4 salt and Ca salts, especially the latter, give good emulsions. Na alginate, alkali-boiled algae and alga residues can be used for emulsification in *road building*. Most of the emulsions are macrodispersed and cannot sustain diln. **VI. Calcium alginate as a stabilizer of calcium arsenate suspensions.** *Ibid.* 507-(10).—It was shown that Ca alginate is a good protective colloid for suspensions of calcium arsenate. The preferred form is Na alginate with NH_4Cl and Ca alginate. Stable Ca arsenate suspensions up to 5% solids can thus be obtained. G. M. Kosolapoff

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Investigation of the properties of alginic acid. VII. Wetting capacity of alginates. Yu. K. Novikov (Leningrad State Univ.). *Kolloid Zhur.* 9, No. 1, 57-66 (1947); cf. *C.A.* 41, 2004*a*.—This investigation comprised a study of: wetting of alginate films by H_2O, benzene, hexane, CCl_4, EtOH, $CHCl_3$, benzyl alc., and Me_2CO; wetting of Ni, Al, Fe, and asphalt by Na alginate; and the effect of Na and NH_4 alginates on the wetting of paraffin, wood, Ni, Al, and Fe by org. liquids. The alginates studied in the 1st part of this investigation were Na, NH_4, Ca, Al, and Th salts. The degree of wetting was detd. by projecting the contact angle on a screen and measuring the angle. The wetting of alginate films by the polar and apolar liquids seemingly followed no rules. However, the observed results fell into pattern if the structure of the alginates and the liquids was taken into account. The mols. of alginic acid and of alginates contain both hydrophilic and hydrophobic groups. The films were made on glass. It was observed that the liquids wetted the surface turned toward the glass quite differently than they did the surface turned toward air. This is explained by the presence in the glass-turned surface of more polar groups (the glass itself being polar) than in the air-turned surface. A scraped surface of an alginate film was wetted differently than either the glass-turned or air-turned surface. This is so because a scraped surface, being an inner surface, is arranged less orderly than either of the other surfaces. The wetting of Ca and Al alginates differed from the wetting of Na and NH_4 alginates. This is explicable from the difference in the structure of the 2 kinds of salts. The wetting of Ni, Al, Fe, and asphalt was tested with Na alginate solns. of varying concns. The 3 metals were wetted by Na alginate solns. Ni was wetted better, the higher the concn. of the soln., i.e., the angle of contact decreased with concn. The greatest drop in the value of the angle was observed at 1% concn. Fe and Al were wetted less by low alginate concns. than by pure H_2O. At alginate concns. of 0.25–2.00% the wetting was progressively improved. The nonwetting at low alginate concns. is ascribed to a unimol. Na alginate film formed on the H_2O and having its hydrophobic part turned toward the H_2O. Apparently, at a concn. of 0.25% an inversion occurs and wetting improves with concn. The wetting of asphalt improved with concn. of the alginate. The effect of alginates on the wetting of paraffin, wood, Ni, Al, and Fe by org. liquids was studied with Na and NH_4 alginate solns. of up to 2% concn. There was no great difference between the effect of the Na and NH_4 salts. Two % of alginate soln. decreased the angle of contact of paraffin with benzyl alc., $CHCl_3$, benzene, and hexane but increased the angle of CCl_4. In their response to Na alginate the liquids were divided into 2 groups: hexane, benzene, and benzyl alc. in one, and $CHCl_3$ and CCl_4 in the other. Wetting of paraffin

NOVOIRANOV, Yu.K.

Studying the properties of alginic acid. Part . Uch.zap.Len.un. no.108:150-160 '49. (MLRA 10:3)
(Alginic acid) (Nicotin)

NOVODRANOV, Yu.K.

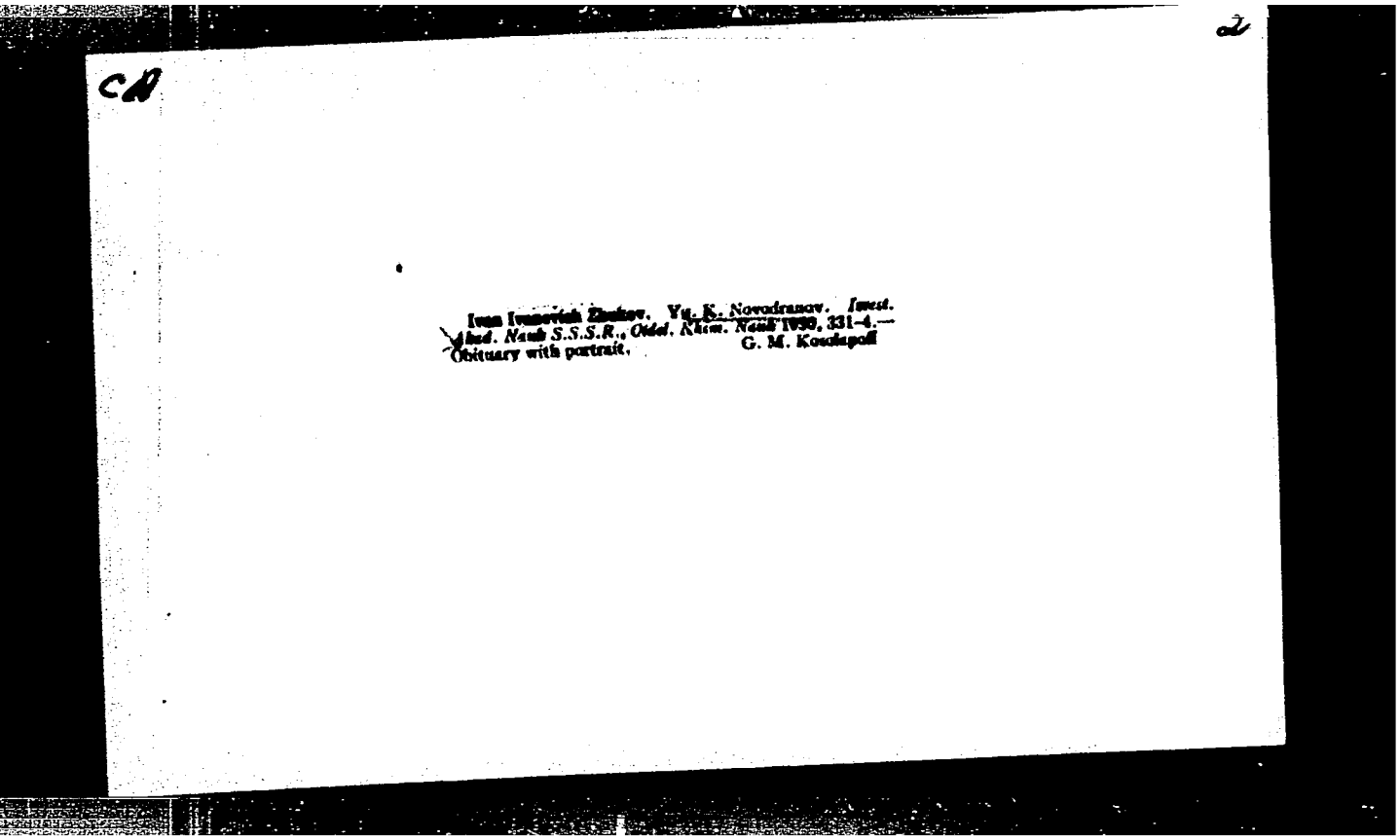
Effect of surfactants on the electrokinetic poten.'al. Uch.zap.Len. un. no.131:23-24 '49. (MLRA 9:6)

1.Laboratoriya kolloidnoy khimii.
(Potential, Theory of)(Surface-active agents)(Electrochemistry)

NOVODRANOV, Yu.K.

Effect of surfactants on the rate of the platinum-hydrosol decomposition of hydrogen peroxide. Uch.zap.Len.un.no.131: 35-47 '49. (MLRA 9:6)

1.Laboratorya kolloidnoy khimii.
(Surface-active agents) (Hydrogen peroxide) (Platinum)



Ivan Ivanovich Zhukov. Yu. K. Novoselnov. *Izvest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 1950, 331–4.—Obituary with portrait. G. M. Kosolapoff

Novodranov, Yu. K.

USSR

The determinations of solvation by the measurement of the speed of propagation of ultrasonic waves. Yu. K. Novodranov and S. N. Ajul'tsman. *Uchenye Zapiski Leningrad. Gosudarst. Univ. im. A. A. Zhdanova* No. 150, *Ser. Khim. Nauk* No. 10, 169-76 (1951). In solns. of sucrose, galactose, arabinose, maltose, and lactose, two mols. of H_2O were found to be linked to each OH group in the carbohydrate mol. For starch, dextrin, saponin, and arbutin (hydroquinone glucoside), 1 g. of dissolved solid is combined with 1 g. of H_2O. The technique of ultrasonic wave generation and its application to solvation problems is

NOVODRANOV, YU. K. PA 253T1

USSR/Chemistry - Electrochemistry Dec 52
Colloidal Chemistry

"Review of 'Selected Works of I. I. Zhukov'," Yu. K. Novodranov (reviewer)

Vest Leningrad U, Ser Mat, Fiz, Khim, No 12, p 143

Notification of the publication of 'Izbrannyye Trudy' containing the selected works of Corr Mem of Acad Sci USSR Ivan Ivanovich Zhukov (died 13 Aug 49), professor at Leningrad State. Reviewed book contains 41 important original works published over 45 years, and divided into following sections: Interaction of Gases With Metals; Electrochemical Solutions and Methods for Determining the Concentration of Hydrogen Ions; Formation and Stability of Colloidal Systems; Electrokinetic Phenomena; High-Molecular compounds.

253T1

253T1

NOVODRANOV, Yu. K.

Journal of the Science of Food and Agriculture
May 1954
Foods

Properties of alginic acid. XVI. Solvation of alginates. Yu. K. Novodranov and S. N. Mal'tsman (*Ukr. khim. Zhur.*, 1952, 18, 327–334). Determinations of the velocity of ultrasound in aq. solutions of the alginates of Na, K, NH_4, Mg, H, and of ethyl-, diethyl-, triethyl, *n*-propyl-, *n*-butyl-, mono-, di-, and tri-*iso*amyl-, hexyl-, heptyl-, mono- and di-*cyclo*hexylamines, piperidine, and hexamethylenetetramine, mono-, di-, and tri-ethanolamines, at 20°, indicate that the hydration of Na, K, and Mg alginates depends mainly on the size of the inorganic ion, that of alginic acid much less than that of its salts, and less than values claimed by others, and that of the organic salts depends on the length and number of the radicals in the amines, and on the critical concn. for micelle formation in solutions of the individual salts.

R. C. Mumm

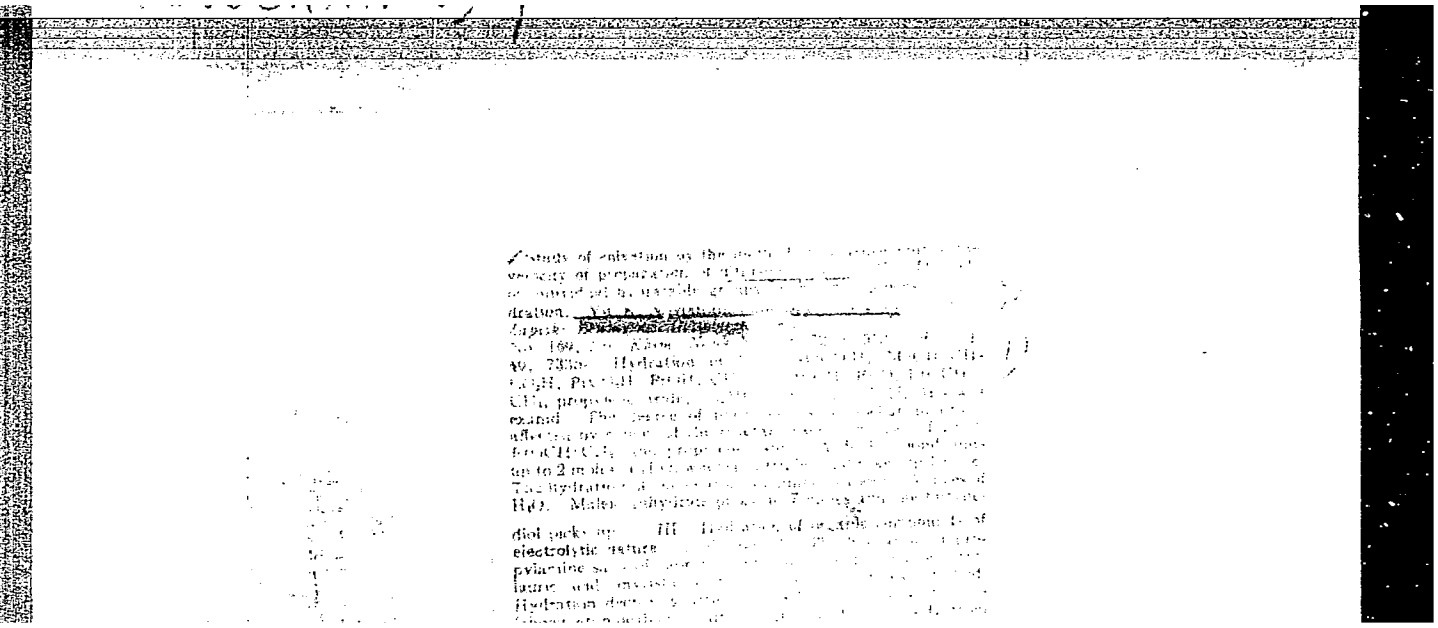
Leningrad State Univ.

NOVODRANOV, Yu. K.

Study of the properties of alginic acid. Part 15. Effect of alginates on conjugate solubility. Uch.zap.Len.un no.155:270-283 '52.(MLRA 9:1)
(Alginates) (Solubility)

NOVODRANOV, Yu.K.

Conference on chromatographic analysis. Vest. LGU 8 no.2:129 F '53. (MIRA 12:7)
(Chromatographic analysis--Congresses)



NOVODRANOV, Yu.K.; SIN'KOVA, S.N.

Study of solvatation by measuring the rate of ultrasonic wave propagation. Part 3. Hydration of electrolytic organic compounds. Uch.zap.Len.un. 169:165-172 '53. (MLRA 9:6)
(Hydration) (Electrolytes)

NOVODVORETS, I.

Using new techniques. Prom. koop. 12 no.10:12-13 O '58.
(MIRA 11:10)

1. Predsedatel' pravleniya arteli "Kul'tprom," g. Minsk.
(Minsk--Toy industry)

TSEKHNOVITSER, Yu., insh.-arkhitektor; NOVODVORSKAYA, I., insh.-arkhitektor

Prestressing large-span construction elements using their own weight. Stroitel' no.12:14,26 D '58. (MIRA 12:1)
(Prestressed concrete construction)

NOVODVORSKAYA I.P.

OBUDOVSKIY, P.N., inzhener; POKACHEV, A.K., inzhener; TARASOV, S.V.; NOVODVORSKAYA, I.P.

Let us discover and exploit to the fullest extent internal production potentials. Tekst.prom. 14 no.9:4-10 S '54. (MLRA 7:11)

1. Glavivkhlopprom (for Obudovskiy and Podachev). 2. Smennyy master krasil'nogo tsekha Moskovskoy shelkootdelochnoy fabriki im. Sverdlova (for Novodvorskaya)
(Textile industry)

NOVODVORSKAYA, Ye.B., prof. patolog

Respiratory oxygen diseases in workers of the foundry shops of Kirov and Voroshilov Factories. Zdrav. Bel. 7 no.9:55-56 S '61. (MIRA 14:10)

1. Iz 3 klinicheskoy bol'nitsy Minska.
(MINSK—FOUNDRYMEN—DISEASES AND HYGIENE)
(RESPIRATORY ORGANS—DISEASES)

NOVODVORSKAYA, Yelizaveta Markovna; GRIDASOVA, Ye.S., red.

[Methods for conducting exercises in physics (in technical schools of higher education)] Metodika provedeniia uprazhnenii po fizike (vo vtuze). Moskva, Vysshaia shkola. Pt.2. 1965. 200 p. (MIRA 18:11)

NOVODVORSKAYA, Ye. M.

USSR/ Physics

Card 1/1 Pub. 22 - 9/43

Authors : Biberman, L. M., and Novodvorskaya, Ye. M.

Title : Effect of reabsorption on width of spectral lines

Periodical : Dok. AN SSSR 106/1, 35-38, Jan 1, 1956

Abstract : The dependence of the width of spectral lines on the parameters of a light source is discussed and a formula, expressing the width of a spectral line, is presented. Based on this formula diagrams of the widening of spectral lines were constructed. A study of the diagrams led to the suggestion that the dependence of the widening of spectral lines should be looked for in the concentration of radiating atoms which, in turn, can be determined through evaluation of the so-called optical density ($h_0 l$) where the l is the extention of the source in the direction of the observer (the thickness of the radiating source). Five references: 1 Germ., 1 Jap. and 3 USSR (1928-1954). Graphs; table.

Institution : Moscow Energetic Institute imeni V. M. Molotov

Presented by: Academician G. S. Landsberg, July 8, 1955

BUKHOVTSEV, Boris Borisovich; KRIVCHENKOV, Vladimir Dmitriyevich; MYAKISHEV, Gennadiy Yakovlevich; SHAL'NOV, Vladimir Petrovich; NOVODVORSKAYA, Ye.M., red.; RAYSKAYA, N.A., red.

[Problems in elementaty physics; textbook for self-education] Sbornik zadach po elementarnoi fizike; posobie dlia samoobrazovaniia. Moskva, Izd-vo "Nauka," 1964. 438 p. (MIRA 17:7)

GUTKIN, A.M.; NOVODVORSKAYA, Ye.M.; GRIDASOVA, L., red. izd-va; YEZHOVA, L.L., tekhn. red.

[Methods for conducting exercises in physics (in institutes of higher education); methodological manual for teachers in tekhnical colleges]Metodika provedeniia uprazhneii po fizike (Vo vtuze); metodicheskoe posobie dlia prepodavatelei vysshikh tekhnicheskikh uchebnykh zavedenii. Moskva, Gos.izd-vo "Vysshaia shkola." Pt.1. [Mechanics and molecular physics] Mekhanika i molekuliarnaia fizika, 1961. 174 p. (MIRA 15:1)
(Physics—Study and teaching)

BUROVA,T., ing. POPOVICI,M., ing.; KONERTH,H., ing.; NOVODVORSKI,L., ing.

Some experiments for obtaining high grade chemical cellulose from fir wood. Pt.2. Cel hirtie 12 no.5/6:169-175 My-Je '63.

NOVODVORSKIS, A.I.

USSR/Solid State Physics - Phase Transformations in Solids, E-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34677

Author: Novodvorskis, A.I.

Institution: None

Title: On the Applicability and Procedure of Microanalysis of Steel

Original Periodical: Kauno politechn. inst. darbai, 1955, 3, 161-165; Lithuanian; Russian resumé

Abstract: None

1 of 1

NOVODVORSKIS, A.I., kandidat tekhnicheskikh nauk (g.Kaunas)

Steel under the microscope. Nauka i zhizn' 22 no.10:27-29 O '55. (MLRA 9:1)
(Steel--Analysis)

NOVODVORSKIS, A. I.

137-58-3-6215

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 253 (USSR)

AUTHOR: Novodvorskis, A.

TITLE: Microstructural Analysis Determines Defects Introduced in Carbon Steel by Preliminary Heat Treatment (Primeneniye mikrostrukturnogo analiza dlya opredeleniya defektov predvaritel'noy termicheskoy obrabotki uglerodistoy stali) (in Lithuanian)

PERIODICAL: Kauno politechn. inst. darbai. Tr. Kaunassk. politekhn. in-ta, 1957, Vol 6, pp 93-98

ABSTRACT: Presentation of a method of metallographic detection of defects in steel which has been subjected to annealing or normalization (overheating, scorching, appearance of a carbide network, accumulation of structurally free cementite, etc.). Causes for structural defects are listed together with peculiarities in properties acquired by the metal owing to the influence of certain defects. Recommendations for the elimination of defects caused by preliminary heat treatment procedures are given. It is suggested that the results of this work may be utilized in plant laboratories not equipped with

Card 1/2