

15.9120 2209

24672
Z/005/60/000/002/013/018
A121/A150

AUTHORS: Jirsák, Karol; Bíňa, Jaroslav, Engineer; Fajfr, Miroslav,
Engineer and Lupták, Gustav (all in Bratislava)

TITLE: None given

PERIODICAL: Vynálezy, no. 2, 1960, 12

TEXT: (39b, 3; Registered 1959, April 6; Patent Application 1991-59). Production method of incombustible rubber vulcanisates resistant to ozone from natural rubber, butadiene polymers and copolymers, sometimes from combinations of these raw materials. It is characterized by the production of a premixture before preparation of the proper rubber mixture; this premixture consists of emulsion or suspension polyvinyl chloride or its copolymers and of chlorinated hydrocarbons of the paraffin and olefin series with 20-75% chlorine content added to the other components of the rubber mixture and together with them kneaded in a kneader or a double-drum calender. Four points of the definition of the patent follow.

Card 1/1

BINA, Jaroslav, inz.

Insulation of electric conductors by polycarbonates. El tech
obzor 51 no.1:50 Ja '62.

1. Vyskumny ustav kablov a izolantov, Bratislava

S/081/62/000/011/057/057
E202/E192

AUTHOR: Bina, J.

TITLE: Properties of the organosilicon rubbers designated for the cable industry.

PERIODICAL: Referativnyy zhurnal, Khimiya, no.11, 1962, 631, abstract 11 P 353. (Bull. VUKI, v.14, no.3, 1961, 125-138). (Slovak. Abstracts in Russian and English).

TEXT: Fundamental properties of organosilicon rubbers for the cable industry, the effect of the molecular weight on the ease of processing and on the physical properties of the vulcanisate (thermal stability and electrical properties) are given. Properties of the conductors with insulation made of organosilicon rubbers are also given.

[Abstractor's note: Complete translation.]

Card 1/1

BINA, J.; MARTIN, J.

Electroinsulation tubes from silicon rubber. El tech cas 14
no.1:42-45 '63.

BINA, J.; CERNUSKA, O.

Regeneration of silicon rubber. Chem prum 13 no.2:112
F '63.

1. Vyskumny ustav kablov a izolantov, Bratislava.

BINA, Jaroslav, ERTL, Tibor

Radiation vulcanization of silicone rubber. Jaderna energie
9 no.4:125-127 Ap '63.

1. Vyskumny ustav kablov a izolantov, Bratislava.

BINA, Jaroslav, inz., kandidat technickych vied

Silicone rubber as electrotechnical material. El tech obzor
52 no.4:197-201 Ap '63.

1. Vyskumny ustav kablov a izolantov, Bratislava.

BINA, Jaroslav, inz., CSc.

Silicon rubber and its industrial use. Tech praca 15 no.8:593-
595 Ag '63.

BINA, Jaroslav, inz. (Sc.

Heat resistant wires and cables insulated by silicon rubber.
El tech obzor 53 no. 2:83-84 F '64.

1. Research Institute of Cables and Insulators, Bratislava.

Bina, K.

"Detector tubes." p.411

SVET MOTORU. (Svas pro spolupraci s armadou) Praha, Czechoslovakia, Vol. 13,
no. 13, June 1959.

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

Uncl.

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320007-2

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320007-2"

BINAKOV, T.

"Some data obtained in cementation followed by diffusion chrome plating and tempering 12XHZA steel."

p. 3. (KhimiaI Industriia, Vol. 30, no. 1, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAL) LC, Vol. 7, No. 12, Dec 58

BINAKOV, Todor, inzh.

Heat treatment of welded seams of the steam pipes which have been welded with TsL-27 type electrodes. Elektroenergiia 12 no.10:13-17 '61.

(Welding) (Steam pipes)

BINAKOV, T., inzh.

Thermal treatment of Al-10 Silumin. Mashinostroene 12 no.6:32-38
S '63.

BINAKOW, T.

"The Role of the Russian and Soviet Scientists in the Development of Metallurgy." p. 162
(HUTNIK, Vol. 20, No. 5, May 1953) Warszawa

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No.10,
October 1953. Unclassified.

BINAR, J.

"Water Purification." p. 259 (VODA, Vol. 33, No. 10, Oct. 1953) Praha, Czechoslovakia

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

BINAR, J.

BINAR, J. Experience with experimental purification of the water of the
Vitava River. p. 85.

Vol. 5, No. 3, Mar. 1955

VODNI HOSPODARSTVI

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accessions, Vol. 5, No. 5, May 1956

BINAR, J

CZECHOSLOVAKIA / Chemical Technology. Chemical H-5
Products and Their Application. Water
treatment. Sewage water

Abs Jour : Ref. Zhur. - Khimiya, No 2, 1958, No 5074

Author : Binar J.

Inst : Not Given

Title : Newest Methods of Water Purification

Orig Pub : Voda, 1957, 36, No 4, 90-92

Abstract : A presentation of fundamentals of calculation
of vertical and horizontal setting tanks.

Card : 1/1

BINAR, J.

Reconstruction and extension of the municipal waterworks in Prague. p. 21

CZECHOSLOVAK HEAVY INDUSTRY. (Ceskoslovenska obchodni komora) Prague.
Czechoslovakia. No. 5, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 1959
Uncl.

BINAR, J,

Trial operation of a prototypic clarifier with a sludge blanket in the Podoli Waterworks. p.345.

VODNI HOSPODARSTVI. (Ministerstvo energetiky a vodniho hospodarstvi a Vedecka technicka spolecnost pro vodni hospodarstvi) Praha, Czechoslovakia. No. 8, August 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.

Uncl.

BINAR, J.

Comparison of two prototypes of clarifiers. p. 358.

VODNI HOSPOSARSTVI. (Ministerstvo energetiky a vodního hospodárství a
Vedecká technická společnost pro vodní hospodárství) Praha, Czechoslovakia.
No. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,
November 1959.

Uncl.

BINAROV, I.

BINAROV, I. Road systems in people's democratic countries and some capitalist countries in Europe. p. 31.

Vol. 3, no. 12, 1956

STROITELSTVO

TECHNOLOGY

Bulgaria

So: East European Accession, Vol. 6, No. 5, May 1957

BINAS, A.V.

"Experiments with cultivated plants in a school nature corner." Kh.S.
Baida. Reviewed by A.V.Binas. Est.v shkola no.4:92-93 J1-Ag '56.
(MIRA 9:9)

1.Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni V.I.Lenina.
(Botany--Study and teaching) (Baida, Kh.S.)

BINAS, A. V.

Experiments in studying the growth of plants. Biol. v shkole
no.2:49-53 Mr-Apr '58. (MIRA 11:4)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni V.I.
Lenin.

(Botany--Study and teaching) (Tomatoes)

BINAS, A.V.

! Experiments on the study of mineral nutrition of plants; fifth grade.
Biol. v shkole no.2:67-70 Mr-Apr '61. (MIRA 14:3)

1. Orekhova-Zayevskiy pedagogicheskiy institut.
(Plants--Soilless culture)

BINAS, A.V.

Experiments for the study of plant life. Biol. v shkole no.3:
11-16 My-Je '63. (MIRA 16:10)

1. Orekhovo-Zuyevskiy pedagogicheskiy institut, Moskovskaya oblast'.

BINCER, Janina; KOZAKIEWICZ, Hanna

Considerations on *Corynebacterium diphtheriae*. Med. dosw. mikrob.
9 no.3:237-243 1957.

1. Iz Kliniki Chorob Zakaznych A. M. w Gdansk.
(DIPHTHERIA, complications,
bacteremia (Pol))
(SEPTICEMIA AND BACTEREMIA,
diphtherial bacteremia (Pol))

BINCER, S.

Natural system of chain broadcasting. p.205. (WIADOMOSCI TELEKOMUNIKACYJNE, Warszawa, Vol. 23, No. 9/10, Sept./Oct. 1954)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

1ST AND 2ND ORDERS		PROCESS AND PROPERTY INDEX		3RD AND 4TH ORDERS	
AMS/A+B				MAY 1951	
2.5 187 551.586.015.8 Bincer, Viktor. Dane klimatyczne w polskiej medycynie morskiej. [Climatological data for maritime medicine in Poland.] <i>Prace i Metody Meteorologii i Hydrologii</i>, Warsaw, No. 2-4:56-61, Dec. 1948. English summary p. 61. DWB - Reports along the North Sea Coast of Poland and climatological stations in that vicinity were closed down during the war. The importance of re-establishing these stations, to provide scientific data for proper evaluation of the beneficial effects of a marine climate, is stressed. Types of observational data and places where it should be obtained are named. Subject Headings: Seaside resorts, Balneology, Climatotherapy, Poland, North Sea Coast. AF.R.					
ASD-5LA METALLURGICAL LITERATURE CLASSIFICATION					
15000 STUDYING		15000 MAY ONLY ONE		15000 BOWLING	
15000 MAY ONLY ONE		15000 MAY ONLY ONE		15000 MAY ONLY ONE	

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
BC										73 20									
Vitex inhibits relapse rate and proguanil treatment. W. Dincer (Bull. Inst. cancer trop. Med. Poland, 1949, 2, 247-248).—The relapse rate is much lower with proguanil treatment than with stibine or stibine with Plasmoquin. W. R. BATT.																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
SECTION SYMBOLS										SECTION SYMBOLS									
SYMBOLS										SYMBOLS									
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										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									

BINCER

BINCER W.

Wielokrotne zapalenie opon móżgóworseniowych na tle pneumokokowym.
/Recurrent cerebrospinal meningitis of pneumococcal origin/
Pediat. polska 24:8 Aug 50 p. 704-13.

1. Of the Clinic for Infectious Diseases of Gdansk Medical Academy (Director—Acting Prof. W. Bincer, M.D.).
CLML Vol 20, No. 2 Feb 1951

BINCER, Wiktor

~~Przegl. Epidemiol.~~
Clinical picture of varioloid. Przegl. epidem. 8 no.1:1-10 1954.
(SMALLPOX,
varioloid, clin. aspects)

BINCER, W

Excerpta Medica Sec 6 Internal Medicine Vol. 9/6 June 55

3560. BINCER W. *Immunity in malaria (Polish text) NAKŁ. POL.
TOWARZYSTWA PARAZYTOL. 1953 (200) (VI, 4*)

1342. CORTISONE IN THE TREATMENT OF SEVERE CARDIOVASCULAR DAMAGE CAUSED BY DIPHThERIA - Leczenia kortisonem ciężkich uszkodzeń układu krążenia w błonicy - Bincer W. and Zieliński W. Klin. Chor. Zakażn. Akad. Med., Gdańsk - KARDIOL. POL. 1958, 1/3 (167-174) Graphs 5

Cortisone was given to 4 patients with severe toxic diphtheria. In the 'poor prognosis cases' (extensive neck lymphadenitis, bad general condition, haemorrhagic diathesis) the mortality rate decreased to 25% (as compared with 85% of fatal cases in the control group). ECGs showing the development of diphtheritic myocardial damage (atrioventricular block, left bundle branch block, ventricular tachycardia) and the subsequent regression of the lesions are presented. The therapeutic effects were better when cortisone was administered prior to the development of myocardial damage. Patients admitted to the hospital with severe myocardial damage and advanced heart failure died in spite of the treatment. The incidence of embolic complications increased in patients treated with cortisone. Possibly these complications are contingent on the healing of the myocardium and a more efficient systole. In cases with special tendency towards embolic complications (extremely low arterial pressure and slow heart rate), heparin had to be administered. It is concluded that cortisone is of some value in the treatment of diphtheritic myocarditis. The effect of cortisone in diphtheria is not due to the neutralization of diphtheritic toxin, as the frequency of paralysis of peripheral nerves did not decrease in patients treated with cortisone. Anti-inflammatory and anti-fibrinolytic actions of cortisone may be concerned. The treatment may be considered to be substitutional when adrenal damage caused by diphtheria had led to cortisone deficiency. (L, 7, 6, 18)

BINCER, Wiktor

Clinical picture of bacillary dysentery appearing in food poisoning caused by *Salmonella* give. Przegl.epidem. 14 no.3:373 '60.

1. Z Kliniki Chorob Zakaźnych A.M. w Gdansk Kierownik: prof. dr W.Bincer.

(DYSENTERY BACILLARY compl)

(SALMONELLA INFECTIONS compl)

BINCER, Wiktor

Medical qualifications for a prolonged stay in countries with hot climate. Bull. Inst. Marine M Gdansk 12 no,1/2:73-79 '61.

1. Z Instytutu Medycyny Morskiej w Gdansku.
(TROPICAL CLIMATE)

BINCER, Wiktor

Considerations on the problem of bacteriological nomenclature. Polski tygod. lek. 16 no.32:1245 7 Ag '61.

(BACTERIOLOGY) (NOMENCLATURE)

BINCER, Wiktor

Poles in the tropics. (Some historic and actual considerations).
Bull. inst. mar. med. Gdansk 13 no.3:121-124; also 117-120 '62.
(EMIGRATION AND IMMIGRATION) (TROPICAL CLIMATE)

BINCER, Wiktor, prof. dr. med.; SKIBINSKA, Teresa; TRZASKA, Bronislaw.

Causal aspects in the treatment of virus diseases. Pol. tyg.
lek. 20 no.12:449-451 22 Mr '65

1. Z Kliniki Chorob Zakaznych Akademii Medycznej w Gdansk
(kierownik: prof. dr. med. W. Bincer).

BINCER, Wiktor

Treatment of severe and very severe cases of viral hepatitis
with anabolic drugs. Pol. tyg. lek. 20 no.28:1057-1058 12 J1 '65.

1. Z Kliniki Chorob Zakaźnych AM w Gdansk (Kierownik: prof.
dr. W. Bincer).

BINCEROWA, J.; DYBICKI, J.

Effect of streptomycin on tuberculous changes in intercostal lymph nodes. Gruslica 20:6 Suppl. 2:126-128 1952. (CLML 24:2)

1. Gdanek.

DTBICKI, J.; BINCEROWA, J.

~~CONFIDENTIAL~~
Changes in intercostal lymph nodes in pulmonary tuberculosis and
their significance in postoperative complications. Gruslica, Warsz.
20 no. 4:477-496 July-Aug 1952. (CML 23:3)

1. Of the Second Surgical Clinic (Head--Prof. K. Debicki, M. D.)
of Gdansk Medical Academy and of Gdansk Division (Head--K. Lachowicz,
M.D.) of State Institute of Hygiene.

BINCHAROV, D.

KIUTUKCHIN, B.; STOICHEV, I.; LOLOVA, Khr.; BINCHAROV, D.

Conditioned reflex leukocytosis and effect of a dynamic stereotype on the number of leukocytes. Suvrem. med. Sofia 5 no.3:8-17 1954.

1. Iz Instituta po patofiziologiya pri Meditsinskata akademiia I.P.Pavlov, Plovdiv. direktor: prof. L.Telcharov.

(LEUKOCYTE COUNT,

eff. of Micrococcus pyogenes as unconditioned stimulus on form. of conditioned variations in dogs)

(REFLEX, CONDITIONED,

leukocyte count variations in dogs after repeated inject. of Micrococcus pyogenes)

(MICROCOCCUS PYOGENES,

eff. of repeated inject. in dogs on form. of conditioned reflex variation of leukocyte count)

BINCHUK, N. I., Cand Med Sci -- (diss) "Fascial development in students under the conditions of physical training in colleges." Simferopol', 1959. 19 pp; (Krymskiy State Medical Inst im I. V. Stalin); 200 copies; price not given; (KL, 27-60, 159)

BINCZYK, Zdzisław, kapitan marynarki, mgr., ins.

Notes on the book "The Navy" by E.Kosiars, L.Krasnowiecki,
T.Mandel and E.Szpilung Reviewed by Zdzisław Binczyk. Przegl
morski 15 no.4:60-67 lip '62.

BINDACZ, L.

α-Haloether reactions. I. Addition of chloromethyl ethers to acetylene. Anton Bakog and Ludovik Bindacz. *Acad. rep. populare Romine, Filiale Cluj, Simina cercetari chem.* 8, 339-46(1957).—The reaction involving the addn. of α-halogenated ethers to an ethylenic linkage was extended to the acetylene linkage. Aliphatic chloromethyl ethers, in the presence of $AlCl_3$, reacted with acetylene to form 3-alkoxy-1-chloro-1-propene (I), whereas the chloromethyl benzyl ether did not react in these conditions. The following I were prepd. by this method: 3-ethoxy (II), 45-50%, b. 124-7°, d_4^{20} 1.0072, n_D^{20} 1.4315; 3-propoxy (III), 55%, b. 39-9.5°, d_4^{20} 0.9884, n_D^{20} 1.4350; 3-butoxy (IV), 49%, b. 62-62.5°, d_4^{20} 0.9553, n_D^{20} 1.4380; 3-methoxy (V), 43%, b. 108-10°, d_4^{20} 1.0742, n_D^{20} 1.4413. In the latter case, in addn. to V, was also obtained 1,3-dichloropropene (VI). VI was sep'd. from V by treating the mixt. with Na phenolate, the VI forming 3-phenoxy-1-chloro-1-propene (VII), b. 116-17°, d_4^{20} 1.142, n_D^{20} 1.5419. V was left unchanged in this reaction. II, III, IV, and V were brominated to form the resp. 3-alkoxy-1-chloro-1,2-dibromopropene (VIII) deriva. The following VIII were

reported: 3-methoxy (IX), 81%, b. 95-7°, d_4^{20} 1.0160, n_D^{20} 1.5208; 3-ethoxy (X), 86%, b. 104.5-5°, d_4^{20} 1.7913, n_D^{20} 1.5099; 3-propoxy (XI), 88%, b. 113.5-14°, d_4^{20} 1.670, n_D^{20} 1.5040; 3-butoxy (XII), b. 130.5-1.5°, d_4^{20} 1.6075, n_D^{20} 1.4995. Typical examples for the prepn. of I and VIII were given. Into a cooled (ice-salt) stirred suspension of 133 g. anhyd. $AlCl_3$ in 200 ml. CCl_4 (or $CHCl_3$) was passed a strong current of C_2H_2 with simultaneous dropwise addn. of 104 g. $CICH_2OEt$. After addn. of the ether, the passage of C_2H_2 was continued another 1.5-2.5 hrs. The mixt. was then poured on ice, the org. layer sep'd., the aq. layer washed with CCl_4 (or $CHCl_3$), and the combined org. layers washed with Na_2CO_3 soln. then water, dried, and fractionally dist'd. to give II. To a cooled (ice) stirred soln. of 18 g. II in 15 ml. glacial $AcOH$ was added 24 g. Br in 12 ml. glacial $AcOH$. After leaving the mixt. 1 day at room temp., it was neutralized with $NaOH$ then $NaHCO_3$ soln. The mixt. was worked up as usual and the dibromo deriva. isolated by vacuum distn.

Michael Gm

67K
VI

98

3
4E2C18
4E3d
200 (NB)

L 06130-67 EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NR: AP6030765 (A) SOURCE CODE: UR/0363/66/002/009/1563/1567

AUTHOR: Yanson, G. D.; Bindar, Ye. I.; Maksimova, O. S.; Freydenfel'd, E. Zh. 39

ORG: Riga Polytechnic Institute (Rizhskiy politekhnicheskii institut) B

TITLE: Kinetics of formation of certain lead compounds

SOURCE: AN SSSR. Izvestiya. Neorganicheskiiye materialy, v. 2, no. 9, 1966, 1563-1567 27

TOPIC TAGS: stoichiometric mixture, lead oxide, lead compound

ABSTRACT: Stoichiometric mixtures of oxides corresponding to $PbTiO_3$, $PbZrO_3$, and $PbNb_2O_6$ were wet-ground, pressed into disks, fired at 300-900°C for 30-180 min, sintered and tested for water absorption, linear shrinkage, weight loss, and phase composition by chemical and x-ray methods. Lead niobate started at about 300 and ended at 600°C. Formation of lead titanate proceeded at almost the same rate, starting at 550°C. Lead zirconate started to form at 650°C; it proceeded at a high rate and stopped at 900°C. The apparent energies of activation for lead titanate and zirconate

$Q = 4.575 \text{ tg } \alpha$
are close to one another. For $PbNb_2O_6$ it is somewhat lower because formation takes place at a lower temperature. The Jander equation (*Z. anorgan. allgem. Chem.*, 163, 1, 1927) is valid only for the initial stage of reaction; the Ginstling equation (*Z. prikl. khimii*, 23, 1249; 25, 718(1952) gives more satisfactory results for the deter-

UDC: 546.815 : 531.1

Card 1/2

KRYL, R., Dr.; JEDLICKOVA, Z., Dr.; HALLOVA, D., Dr.; MAGROVA, Fr., J.;
RIHOVA, M., Dr., a ved. krouzek posluchacu LPH: BINDAS, B;
HELCL, J.; PUR, J.; TRISKA, J.; VACKOVA, J.

Experiences with out-patient therapy of whooping cough with
chloramphenicol. Cesk. pediat. 11 no.9:652-659 Sept 56.

1. Klinika infekcnich nemoci v Praze na Bulovce Bakteriolog.-
serolog. oddeleni Bulovky, prednosta doc. Vlad. Wagner.

(WHOOPING COUGH, ther.

chloramphenicol, out-patient ther. (Cz))

(CHLORAMPHENICOL, ther. use

whooping cough, out-patient ther. (Cz))

(OUT-PATIENT SERVICES

in whooping cough, chloramphenicol ther. (Cz))

BATANOV, S.I.; BINDAS, B.D., gorany inzhener.

Gravity transportation in hydraulic excavation. Gor.shur.no.4:
12-13 Ap '56. (MIRA 9:7)

1. Nachal'nik proizvodstvennogo otdela Gornego upravleniya
Semilukskego ognepurnogo zavoda (for Batanov).
(Latnaya--Hydraulic mining)

TOMASOFFOVA, A.; BINDAS, B.; NOVACKA, L.

Outbreak of toxicoinfective food poisoning due to one serotype of *P. hauseri*, biotype *P. mirabilis*. *J. hyg. epidem. (Praha)* 9 no.1:54-59 '65.

1. Institute of Microbiology, Medical Faculty of Hygiene, Charles University, Prague.

AUTHORS: Bindas, B. P.
Bubyreva, N.S., Markin, B.I., Bindas, B.P.,
Silkin, Yu.A., Chmutov, K.V. 76-11-31/35

TITLE: A Combined Device for the Joint Measuring of Viscosity, Density and Solidification-Melting Temperature (Kombinirovannyy pribor dlya izmereniya vyaskosti, plotnosti i temperatury zatverdevaniya-plavleniya)

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1957, Vol. 31, Nr 11, pp. 2580-2583 (USSR)

ABSTRACT: A combined measuring device for the remote determination of some physical-chemical liquid constants, viz. density, viscosity, and solidification-melting temperature is described. The principal part of this device is a vessel into which a certain quantity (about 5 ml) of the liquid to be investigated is introduced by way of a siphon. For the purpose of measuring viscosity the device was first thermostated at a given temperature for 30-60 minutes. Hereupon under-pressure was produced in the pipette, the liquid rose up to the level of the electrodes, the system was connected with the outer air, and the liquid was able to emerge freely from the capillary. A comparison with liquids of known viscosity resulted in a maximum error of 2%. Errors committed when measuring density amounted to a maximum

Card 1/2

5(4)

SOV/69-21-4-3/22

AUTHOR: Bubyreva, N.S. and Bindas, B.P.

TITLE: Dispersion of Silicic Acid Gel in Acid Media With the Aid of Ultrasonic Vibrations

PERIODICAL: Kolloidnyy zhurnal, 1959, Volume XXI, Nr 4, pp 388-391 (USSR)

ABSTRACT: The authors report on experiments intended to homogenize with the aid of ultrasound a highly acidic solution, in which silicic acid has sedimented in the form of a gel. A first series of experiments was carried out for the purpose of ascertaining the ability of ultrasound to transform polymerized forms of silicic acid into the monomeric state. The solution subjected to ultrasound treatment contained 4 g/l SiO_2 and 4 N HNO_3 . The samples differed from one another concerning the age of the silic acid gel. Table 2 shows that the ultrasound treatment results in an increase of the soluble form of SiO_2 in the solution. A change of the

Card 1/3

SOV/69-21-4-3/22

Dispersion of Silicic Acid Gel in Acid Media With the Aid of Ultrasonic Vibrations.

frequency from 6 to 3 megacycles, as well as of the duration of the ultrasound treatment from 10 to 120 minutes has practically no effect on the final result. It was observed, however, that the quantity of dispersed sediment was very small. Full dispersion depends on a number of factors: ultrasound frequency, age of gel and composition (particularly acidity) of the solution. Table 3 shows the results of experiments in which these factors were suitably considered. It became evident that the dispersion effect increases with the diminution of ultrasound frequency. Full transformation of the gel into a sol was obtained at a frequency of 1.1 megacycles. The data show that the quantity of monomeric SiO_2 obtained by the ultrasound treatment is inconsiderable. The quantity of this form of SiO_2 characterizes that portion of ultra-sound energy which is spent in chemical action, i.e. for the break of the Si-O linkage in this case. The authors evaluate this portion of

Card 2/3

SOV/69-21-4-3/22

Dispersion of Silicic Acid Gel in Acid Media With the Aid of Ultrasonic Vibrations.

energy at ~ 6 calories for 1 ml of solution with a silicic acid concentration of 4g/l. The low yield of monomeric SiO_2 is explained as being due to polymerization of silicic acid. The high acidity of the solution and the heat produced during ultrasound treatment favor this process. The authors mention the Soviet scientist S.S.Rzhevkin, who developed a theory on the dispersing effect of ultrasound. There are 3 tables and 6 references, 5 of which are Soviet and 1 English.

SUBMITTED: 4 May, 1958.

Card 3/3

BUBYREVA, N.S.; BINDAS, B.P.

Dispersion of silicic acid gel by ultrasonic waves in acid media.
Koll.zhur. 21 no.4:388-391 J1-Ag '59. (MIRA 13:8)
(Ultrasonic waves) (Silicic acid)

BINDAS, J., mgr. (Warszawa)

Remarks of a teacher on school building construction. Przegl
budowl i bud mieszk 34 no.7:420 J1 '62.

AC...
B.INDASOY, M.

Reg. in U.S.

Plastic refractory mass K-N. M. Indasoy. ~~Annals of~~
Technika, 1969, No. 9, pp. 471-72; Khim. Refrakt. Zhur.,
6 [7-8] 66 (1961).—B. describes a refractory material
(K-N) used for open-hearth furnaces in the U. S. Its
main components are Fe, Cr₂O₃, MgO, and water glass
(7%). The advantages of this material over magnesite
brick are discussed. M.Ho.

SLEDE, Igons; VECVAGARS, Ziedonis; BINDE, Gunars; VULFSONE, E.,
red.

[Bridges] Tilti. Riga, Latvijas Valsts izd-ba, 1964.
399 p. [In Latvian] (MIRA 17:6)

BINDEMAN, N. N. *Dr. Technical Sci.*

"Forecast of the Behavior of Ground Waters in Respect to Construction of Water Reservoirs." Sub 2 Dec 47, All-Union Sci Res Inst of Water Supply, Sewerage, Hydraulic Structures and Engineering Hydrogeology (VODGEO)

Dissertations presented for degrees in science and engineering in Moscow in 1947

SO: Sun No. 457, 18 Apr 55

BINDEMAN, N.N.

Candidate of Technical sciences

On Determination of the Extent of Fissures in Rock
Soviet Source: P: Gidrotekhnicheskoye Stroitel'stvo
No. 12, (Moscow, December 1947)

BINDEMAN, N. N.

Bindeman, N. N. - "On the problem of the appearance of surface water in a nonuniform zone of aeration", Trudy Laboratorii gidrogeol. problem im. akad. Savarenskogo (Akad. nauk SSSR, Otd-niye geol.-geogr. nauk), Vol. III, 1948, p. 210-12.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320007-2

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320007-2"

BINDERMAN, N.N.; SEMENOV, M.P., redaktor; KAMENSKIY, G.N., redaktor;
OVCHINNIKOV, A.M., redaktor; PRIKLONSKIY, V.A., redaktor; ZOLOTA-
REV, G.S., redaktor.

[Methods of determining water permeability of rock by evacuation,
filling and pressing] Metody opredelenia vodopronitsaemosti gor-
nykh porod otkachkami, nalivami n nagnetaniyami. Moskva, Ugletekh-
izdat, 1951. 51 p. (MLRA 7:?)
(Soil percolation) (Water, Underground)

AL'TOVSKIY, M.Ye., redaktor; KONOPLYANTSEV, A.A., redaktor; BINDEMAN, M.N.,
redaktor; POPOV, N.D., tekhnicheskiiy redaktor.

[Methods guide for a study of the underground water cycle] Metodicheskoe
rukovodstvo po izucheniiu reshima podzemnykh vod. Pod obshchai red.
M.E.AL'tovskogo i A.A.Konopliantseva. Moskva, Gos. nauchno-tekhn.izd-vo
lit-ry po geologii i okhrane neдр, 1954. 195 p. (MLRA 8:5)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut gidroge-
logii i inzhenernoy geologii.
(Water, Underground)

SEDENKO, Matvey Vasil'yevich; BINDEMAN, N.N., otvetstvennyy redaktor;
SLAVOROSOV, A.Kh, redaktor ~~redaktor~~ ~~stava~~; KOROVENKOVA, Z.A.,
tekhnicheskiiy redaktor; NADZINSKAYA, A.A., tekhnicheskiiy redaktor

[Hydrogeology] Gidrogeologiya. Moskva, Ugletekhizdat, 1956. 115 p.
(Water, Underground) (MIRA 9:9)

ROGOVSKAYA, Nina Vasil'yevna; BINDMAN, N.E., redaktor; KRASNOVA, N.E.,
redaktor izdatel'stva; KRYNOCHKINA, K.V., tekhnicheskii redaktor

[Methods of hydrogeological and geological engineering studies in
irrigation systems] Metodika gidrogeologicheskikh i inzhenerno-
geologicheskikh issledovani na massivakh orosheniia. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po geol. i okhrane neдр, 1956. 135 p.
(Water supply) (MLRA 9:9)
(Irrigation)
(Water, Underground)

BELITSKIY, Aron Samuilovich; DUBROVSKIY, Viktor Viktorovich; BINDERMAN, N.N.,
redaktor; SERGETYEVA, N.A., redaktor izdatel'stva; AVERKIYEVA, T.A.,
tekhnicheskiiy redaktor

[Exploratory drillings of wells for water supply and their planning]
Razvedechno-ekspluatatsionnye skvazhiny dlia vodosnobzhenia i ikh
proektirovanie. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol.
i okhrane nedr, 1956. 151 p. (MLRA 10:3)
(Wells)

BINDEMAN, IVIN.

TROYANOVSKIY, Sergey Vasil'yevich; BELITSKIY, Aron Samoylovich; CHEKIN, Arkadiy Ivanovich; BINDEMAN, N.M., otvetstvennyy redaktor; KOTLOV, F.V., otvetstvennyy redaktor; SLAVOROSOV, A.Kh., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhnicheskiy redaktor

[Hydrogeology and drainage of mining areas] Gidrogeologiya i osushenie mestoroshdenii poleznykh iskopayemykh. Moskva, Ugletekhnizdat, 1956.
306 p. (MLRA 10:1)

(Mine drainage) (Water, Underground)

99-6-4/9

"Forecast of Formation of Underground Water Pools in Irrigated Areas"

a result of added seepage. By using various formulas composed of different factors, such as: filtering coefficient, permeability, time, pressure gradient and others and by utilizing the data obtained from observations during one year's cycle it is possible to forecast changes in the level of underground water pools to be expected in years to come. The article contains 1 figure, and 1 diagram.

AVAILABLE: Library of Congress

Card 2/2

132-10-8/13

Determination of Water Permeability of Rocks by Methods of Continuous Filtration.

this method when testing clayey and loamy soils are:

1. The filtration coefficient is established before silting of the bottom of the bore hole has started.
 2. The influence of capillarity at the filtering process are automatically taken into account.
 3. Tests require less time than needed by former methods.
 4. Because the total quantity of water during the test is registered, results are more accurate.
 5. Parameters necessary for determining steady filtration are determined besides the coefficient of filtration.
- There are 3 diagrams.

ASSOCIATION: All-Union Scientific Research Institute for Water Supply, Sewer Systems, Hydrotechnical Structures and Hydrogeological Engineering, (VODGEO).

AVAILABLE: Library of Congress
Card 2/2

ROGOVSKAYA, N.V.; MOROZOV, A.T., nauchnyy red.; LANGE, O.K., retsenzent;
BINDEMAN, N.M., retsenzent; DUNIN-BARKOVSKIY, L.V., retsenzent;
FILIPPOVA, E.S., red. izd-va; BYKOVA, V.V., tekhn. red.

[The technique of establishing hydrogeological regions for land
reclamation purposes; hydrogeological land reclamation regions]
Metodika gidrogeologicheskogo raionirovaniia dlia obosnovaniia
melioratsii; gidrogeologo-meliorativnoe raionirovanie. Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane neдр, 1959.
174 p. (MIRA 14:6)

(Murgab Valley—Irrigation research)
(Kura-Aras Valley—Irrigation research)

ZOLOTAREV, G.S., red.; SOKOLOV, D.S., red.; CHAPOVSKIY, Ye.G., red.;
BINDEMAN, N.E., red.; LYKOSHIN, A.G., red.; TITOV, N.A., red.;
GARMONOV, I.V., retsenzent; PRIKLONSKIY, V.A., retsenzent;
POPOV, I.V., retsenzent; RODIONOV, N.V., retsenzent; KHAKIMOV,
V.Z., red.; YERMAKOV, M.S., tekhn.red.

[Methods and results in the study of hydrogeological and
engineering geological conditions of large reservoirs] Opyt
i metodika izucheniia gidrogeologicheskikh i inzhenerno-geolo-
gicheskikh uslovii krupnykh vodokhranilishch. Pod red. G.S.
Zolotareva, D.S.Sokolova i E.G.Chapovskogo. Moskva, Izd-vo Mosk.
univ. Pt.1. 1959. 175 p. diagrs, maps.

(MIRA 14:4)

(Volga Valley--Reservoirs)

(Engineering geology)

10(4)

SOV/132-59-2-7/16

AUTHOR: Bindeman, N.N.

TITLE: A More Precise Method of Calculating the Ground Stream Debit by its Speed of Flow (Utochneniye opredeleniya raskhoda gruntovogo potoka po skorosti yego dvizheniya)

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 2, pp 37-41 (USSR)

ABSTRACT: The author uses the Gauss formula of probabilities for a more precise calculation of ground stream debit by its speed of flow. He proposes a joint empirical and analytical method of calculating this debit and describes it in detail. There are 4 tables, 1 graph and 1 Soviet reference.

ASSOCIATION: (VODGEO)

Card 1/1

3(4)

SOV/132-59-9-10/13

AUTHOR: Bindeman, N.N.

TITLE: On the Necessity of Taking into Account the Reshaping of Water Reservoir Banks When Forecasting the Rise of Ground Waters

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 9, p 53 (USSR)

ABSTRACT: The reshaping of water reservoir banks must be taken into consideration by hydrogeologists and engineers when calculating the depression curve of ground waters. The exaggerated value of this curve involved an excessive delimitation of zones to be flooded which, in its turn, causes an unnecessarily large evacuation of these zones and excessive draining works. The author describes in detail (Figures 1 and 2) how such an overestimation of the rise of ground water occurs. The reshaping of the water reservoir shores causes a lowering of the ground water level and the depression curve will pass through a lower point

Card 1/2

SOV/132-59-9-10/13

On the Necessity of Taking into Account the Reshaping of Water
Reservoir Banks When Forecasting the Rise of Ground Waters

than initially calculated, which means that the
foreseen flooded area will also be decreased. There
are 2 diagrams.

ASSOCIATION: VSEGINGEO

Card 2/2

ABRAMOV, S.K.; BINDEMAN, M.M.; BOCHEVER, F.M.; VERIGIN, N.N.; SAFONOV,
P.V., red.isd-vs; OSENKO, L.M., tekhn.red.

[Reservoir influence on hydrogeological conditions of adjacent
areas] Vliianie vodokhranilishch na gidrogeologicheskie uslovia
prilegaiushchikh territorii. Moskva, Gos.isd-vo lit-ry po stroit.,
arkhit. i stroit.materialam, 1960. 318 p. (MIRA 13:7)
(Reservoirs) (Water, Underground)

BINDEMAN, N.N.

Predicting the rising of underground water level and the
formation of temporary perched water in sectors of industrial
enterprises. Trudy Lab. iuzh. gidrogeol. VODGEO no. 3:4-36
'60. (MIRA 14:4)

(Water, Underground)

BINDEMAN, N.N.

Determining the discharge of ground water in alluvial sediments.
Sov. geol. 3 no.6:137-139 Je '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i
inzhenernoy geologii.
(Water, Underground)

BINDEMAN, N.N.

Exploiting underground water reserves. Razved. i okh. nedr 26 no.4:43-
47 Ap '60. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i
inzhenernoy geologii.
(Water-supply engineering)

BINDEMAN, N.N.

Determining ground water reserves in fluvio-glacial and alluvial plains. Razved. i okh. nedr 26 no.10:33-39 0 '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.
(Water, Underground)

MAKKAWEYEV, A.A., doktor geol.-mineral. nauk ; LANGE, O.K., prof., doktor
geol.-mineral. nauk, red.; MARINOV, N.A., doktor geol.-mineral.nauk,
red.; OVCHINNIKOV, A.M., red.; SOKOLOV, D.S., red.; TOLSTIKHIN, N.I.,
BINDEMAN, N.N., kand.geol.-mineral.nauk, red.; BRODSKIY, A.A., kand.
geol.-mineral.nauk, red.; YEMEL'YANOVA, Ye.P., red.; CHAPOVSKIY, Ye.G.,
dots., red.; BEKMAN, Yu.A., vedushchiy red.; MUKHINA, E.A., tekhn. red.

[Dictionary of hydrogeology and engineering geology] Slovar' po gidro-
geologii i inzhenernoi geologii. Moskva, Gos.nauchno-tekhn.izd-vo
neft. i gorno-toplivnoi lit-ry, 1961. 186 p. (MIRA 14:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeolo-
gii i inzhenernoy geologii.
(Engineering geology--Dictionaries)

ZOLOTAREV, G.S., red.; SOKOLOV, D.S., red.; CHAPOVSKIY, Ye.G., red.; GARMANOV, I.V., retsenzent; PRIKLONSKIY, V.A., retsenzent [deceased]; POPOV, I.V., retsenzent; RODIONOV, N.V., retsenzent; TITOV, N.A., nauchnyy red.; FILIPPOVA, B.S., red.; BINDEMAN, N.N., red.; LYKOSHIN, A.G., red.; YERMAKOV, M.S., tekhn. red.

[Results achieved and methods used in studying hydrogeological and engineering geological conditions of large reservoirs] Opyt i metodika izucheniia gidrogeologicheskikh i inzhenerno-geologicheskikh uslovii krupnykh vodokhranilishch. Pod red. G.S.Zolotareva, D.S. Sokolova i E.G.Chapovskogo. Moskva, Izd-vo Mosk. univ. Pts.2 and 3. 1961. 360 p. diagrs, maps. (MIRA 14:8)
(Reservoirs) (Engineering geology)

BINDEMAN, N.N.; DANILOV, V.V.

Calculating the yield of linear intakes of underground waters. Vod.
i san. tekhn. no.1:9-11 Ja '61. (MIRA 14:9)
(Water-supply engineering)

AL'TOVSKIY, M.Ye.; CHAPOVSKIY, Ye.G.; BABUSHKIN, V.D.; BINDEMAN,
N.N.; LAPTEV, F.F.[deceased]; SOKOLOV, I.Yu.; CHALISHCHEV,
A.M.[deceased]; PROKHOROV, S.P.; TOKAREV, A.N.; KOROTEYEV,
A.P.; ABRAMOV, S.K.; KONOPLYANTSEV, A.A., red.; PRIKLONSKIY, V.A.,
red. [deceased]; SPITSYN, N.I., red.; MARINOV, N.A., red.;
KULICHIKHIN, N.I., red.; GARMONOV, I.V., red.; LYUBCHENKO, Ye.K.,
red. izd-va; POTAPOV, V.S., red. izd-va; GUROVA, O.A., tekhn.
red.

[Hydrogeologist's handbook] Spravochnik gidrogeologa. Pod ob-
shchei red. M.E.Al'tovskogo. Moskva, osteoltekhizdat, 1962.
615 p. (MIRA 15:7)

(Water, Underground)

BINDEMAN, N.N.

Types of the hypogene mineralization in the region of the Shilka-Arbağar and Novobereznovsk Depressions (eastern Transbaikalia).
Geol.rud.mestorozh. no.5:45-55 3-0 '62. (MIRA 15:12)

1. Tsentral'nyy nauchno-issledovatel'skiy gornorazvedochnyy institut tsvetnykh, redkikh i blagorodnykh metallov, Moskva.
(Transbaikalia—Ore deposits)

BINDEMAN, N.N.

~~Determining natural ground water resources. Razved.i okh.nedr 28~~
~~no.1:35-40 Ja '62. (MIRA 15:3)~~

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i
inzhenernoy geologii.

(Water, Underground)

BINDEMAN, N.N.

"Principles of regional evaluation of the natural underground water resources" by B.I.Kudelin. Razved.i okh.nedr 28 no.4:60-61 Ap '62. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.

(Water, Underground)
(Kudelin, B.I.)

BINDEMAN, N.N.

Sequence in the formation of Upper Cretaceous igneous rocks and
hydrothermal mineralization in the Lyubavinsko-Khaverginskiy
gold-ore region of easter Transbaikalia. Biul.MOIP.Otd.geol.
37 no.5:174 S-O '62. (MIRA 15:12)

(Transbaikalia--Rocks,Igneous)

(Transbaikalia--Gold ores)

BINDEMAN, Nikolay Nikolayevich. Prinimali uchastiye: YAZVIN, L.S.;
BABUSHKIN, V.D.; SEMENOVA, S.M., nauchnyy red.; KOLOSHINA,
T.V., red. izd-va; SEMAKOVA, T.M., tekhn. red.

[Evaluation of underground water resources for their use] Otsen-
ka ekspluatatsionnykh zapasov podzemnykh vod; metodicheskoe ru-
kovodstvo. Moskva, Gosgeoltekhizdat, 1963. 202 p.
(MIRA 16:7)

(Water, Underground)

BINDEMAN, N.N.; BOCHEVER, F.M.

Regional estimation of the exploitable resources of fresh
underground waters. Sov. geol. 7 no.1:65-78 Ja '64.

(MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii
i inzhenernoy geologii i Vsesoyuznyy nauchno-issledovatel'skiy
institut vodosnabzheniya, gidrotekhniki i inzhenerncy gidro-
geologii.

BINDEMAN, N.N ;GRABEKLIS, R.V.

Relationship between the gold and molybdenum Mineralization
in the southwestern part of a gold-molybdenum ore belt in
Transbaikalia. Dokl. AN SSSR 159 no.6:1290-1292 D '64
(MIRA 18:1)

1. TSentral'nyy nauchno-issledovatel'skiy gorno-razvedochnyy
institut i Chitinskoye geologicheskoye upravleniye. Predstavleno
akademikom V.I. Smirnovym.

BINDER, B.L.

Determining water temperature with two thermometers. Trudy
NIIQMP no.12:29-33 '64.

The electric bathometer. Ibid.:34-40

(MIRA 18:4)

BINDER, B.L.

Device for long-distance measurement of water temperature in the sea
(a ship hydrosonde). Trudy NIICMP no.11:114-129 '63.

(MIRA 18v1)

Errors in measuring the temperature of a medium. Ibid.:130-173

BINDER, E., inzh. (g.Kiyev)

Conference on the drainage and reclamation of swamps and
water-logged lands in the Ukraine. Gidr. i mel. 13 no.11:
56-60 N '61. (MIRA 14:10)
(Ukraine--Drainage--Congresses)

BINDER, E.B., inzh. (Kiyev)

Conference on drainage and reclamation of bogs and swampy lands in
the Ukraine. Gidr. i mel. 12 no.9:61-62 S '60. (MIRA 13:9)
(Ukraine--Drainage--Congresses)

BINDER, Gy.

VINCZE, A.; BINDER, Gy.; TANKA, D.

The effect of roentgenotherapy on serum albumin; changes in serum albumin irradiated in vitro. Acta physiol. hung. 13 no.3:249-253 1958.

1. Zentralforschungsinstitut für Physik der Ungarischen Akademie der Wissenschaften und Pathohistologisches Laboratorium des Balneologischen und Rheumatologischen Landesinstitutes, Budapest.

(SERUM ALBUMIN, effect of radiations on
x-irradiation in vitro (Ger))

(ROENTGEN RAYS, effects
on serum albumin in vitro (Ger))

chemistry. Theory of Photographic Processes.

Abs Jour: Ref Zhur-Khin., No 1, 1959, 539.

is accompanied by an increase (as compared with pure water) in the yield of hydrogen peroxide, and in the case [of oxidation] of α -methyl glucoside the yield of hydrogen peroxide is decreased. A mechanism of the reactions in radiation oxidation of simple sugars is suggested. -- S. Rozenfel'd.

Card : 2/2

22

BINDER, Gyula; NAGY, Arpad; SERES, Zoltan

A thin polyvinyltoluene plastic scintillator for detecting layers
and fission fragments. Koz fiz kozl MTA 10 no.2:147-152
'62.

1 05017-67 EWT(m)/EWP(t)/ETI IJP(c) JD
~~ACC-NR~~ AP6031943 SOURCE CODE: UR/0080/66/039/009/1921/1927

AUTHOR: Orlova, G. M.; Binder, Kh.

30
B

ORG: none

TITLE: Kinetics of dissolution of monocrystalline gallium arsenide in water and in hydrochloric acid solutions 18 27

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 9, 1966, 1921-1927

TOPIC TAGS: iodine, hydrochloric acid, gallium arsenide

ABSTRACT: Research in the kinetics of the dissolution of monocrystalline gallium arsenide in water and in hydrochloric acid solutions of iodine has shown that the character of the process depends on the concentration of iodine in the solution. The process of dissolution of 0.2—0.5 M of iodine solutions is limited by the speed of the heterogeneous reaction of GaAs oxidation, by hypiodous acid in water solutions of iodine, and by molecular iodine in hydrochloric solutions of iodine. The energies of the GaAs dissolution activation are 12.1 ± 0.3 kcal/mol and 19.6 ± 0.4 kcal/mol. In more dilute iodine solutions, the process of GaAs dissolution is determined by convex-diffused phenomena in the solution. Orig. art. has: 7 figures.

SUB CODE: 07/ SUBM DATE: 16Aug65/ ORIG REF: 004/ OTH REF: 010
 Card 1/1 LC UDC: 546.681'19+532.73 correlation 18