

AL'TMAN, YA. A.

Dissertation defended at the Institute of Physiology imeni I. P. Pavlov  
for the academic degree of Candidate of Medical Sciences:

"Electrical Responses of Various Sections of the Auditory System Under  
Conditions of Prolonged Stimulation."

Vestnik Akad Nauk, No. 4, 1963, pp. 119-145

AL'TMAN, Ya.A.; IONTOV, A.S.

Relations between some zones of the auditory cortex. Zhur.  
vys.nerv. deiat. 13 no.2:330-337 Mr-Apr'63. (MIRA 16:9)

1. Laboratory of Acoustic Analyser Physiology and Section  
of Electronic Microscopy, Pavlov Institute of Physiology,  
U.S.S.R. Academy of Sciences, Leningrad.  
(CEREBRAL CORTEX) (HEARING)

AL'TMAN, Ya.A.; KAPITONOVA, M.E.

Electrical responses of different segments of the auditory system following the action of paired auditory signals of different intensity. Fiziol. zhur. 49 no.8:908-918 Ag '63.

(MIRA 17:2)

1. From the Laboratory for Auditory Analyser Physiology, I.P. Pavlov Institute of Physiology, Leningrad.

AL'TMAN, Ya.A.; MARUSEVA, A.M.

Evoked potentials of the auditory system. Zhur. vys. nerv. deiat.  
15 no.3:539-549 My-Je '65. (MIRA 18:6)

1. Laboratoriya fiziologii slukhovogo analizatora Instituta fiziologii im. I.P. Pavlova AN SSSR.

AL'TMAN, Ya.A.; LEBEDEVA, Z.P.

Electrophysiological study of the posterior corpus bigeminum  
in cats. Biul. eksp. biol. i med. 59 no.6:7-11 Je '65.

(MIRA 18:6)

1. Laboratoriya fiziologii slukhovogo analizatora (zav. - prof.  
G.V. Gershuni) Instituta fiziologii imeni Pavlova (dir. - aka-  
demik V.N. Chernigovskiy) AN SSSR, Leningrad.

AL'TMAN, Ye.M. (Chernovtsy)

Surgical treatment of chronic tonsillitis in children with  
tuberculous bronchoadenitis. Zhur. ush., nos. i gor. bol. 24  
no.2:78-81 Mr-Apr '64 (MIRA 18:1)

1. Iz Sadgorodskoy rayonnoy bol'nitsy (glavnyy vrach A.N.Stolyarov)  
i Sadgorodskogo detskogo protivotuberkuleznogo sanatoriya (glavnyy  
vrach - A.V. Karnacheva, nauchnyy rukovoditel' - zav. kafedroy  
detskikh bolezney Chernovitskogo meditsinskogo instituta prof.  
P.N. Gudzenko).

KOVALENKO, A.D.; AL'TMAN, Ye.S.; MERZON, V.N.

Shortening the time of the determination of drug sensitivity  
in pathogens during the treatment of colienteritis and dysentery.  
Antibiotiki 10 no.1:84-86 Ja '65. (MIRA 18:4)

1. Dnepropetrovskiy institut epidemiologii, mikrobiologii i  
gigiyeny i laboratoriya Detskoy bol'nitsy No.3 Dnepropetrovska.

ALTMANN, F.

Safety first; the problem of accidents caused by the incorrect maintenance of roadbeds.

P. 202, (Zeleznicar) No. 8, Aug. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957



ALTMANN, O. 1951

(3rd. Surg. Clinic & Koltoi Anna Krankenhaus, Budapest)

"The Coagulation-Accelerating Factor of Serum. "

Acta Physiologica (Budapest), 1951, 2/1 suppl. (21-22)  
No abst. In Exc. Med.

HORN, Z.; KOVACS, E.; ALTMANN, O.

The value of coagulogram in the diagnosis of thrombosis. Orv. hetil.  
92 no.15:466-472 15 Apr 1951. (GLML 24:5)

1. Doctor for Horn and Kovacs. 2. Third Surgical Clinic (Director --  
Prof. Borisz Petrovskij) of Lorand Eotvos University and Laboratory  
(Director -- Prof. Dr. Zoltan Horn) of Anna Koltoi State Casualty Hos-  
pital, Budapest.

HORN, Z.; KOVACS, E.; ~~ALTMANN, J.~~

The dicoumarin problem. Orv. hetil. 94 no.23:627-632 7 June 1953.  
(GLML 25:1)

1. Doctor for Horn and Kovacs. 2. Fourth District Arpad Hospital  
(Director -- Dr. Jenő Iaszarits), Central Laboratory of Karolyi Hospital  
(Acting Director -- Dr. László Ujszásy), and Hungarian People's Army  
Sanitary Service.

ALTMANN  
HORN, Z.; BOGSCH, S.; ALTMANN, O.

Effect of vitamin E on carbohydrate metabolism. Orv. hetil. 94 no.33:  
912-916 16 Aug 1953. (GIML 25:1)

1. Doctor for Horn and Bogach. 2. Arpad Metropolitan General Hospital  
(Director -- Dr. Jenő Lazarits) and Central Laboratory of Karoly General  
Hospital.

ALTMANN, V.; JIROVA, M.

A clinical study of the screening value of abreography. Cas.lek.  
cesk 100 no.32/33:1029-1032 18 Ag '61.

1. Klinika tuberkulozy KU v Praze, prednosta prof. dr. J. Jedlicka.

(RADIOGRAPHY) (PHOTOGRAPHY)

JEDLICKA, Jaroslav; PETRIKOVA, Jitka; ALTMANN, Vratislav

Erythema nodosum & cold granulia. Sborn. lek. 59 no.1:2-8 Jan 57.

1. Klinika tuberkulozy, prednosta prof. Dr Jaroslav Jedlicka. J. J.  
Katerinska 19, Praha 2.

(ERYTHEMA NODOSUM, compl.

miliary tuberc., Burnand-Saye cold granulia (Cz))

(TUBERCULOSIS, MILIARY, compl.

erythema nodosum in Burnand-Saye cold framulia (Cz))

AL'TMARK, A.M.; VINOGRADOVA, Ye.I.; POCHINKO, R.Ye.

Prolonged sleep therapy of psychiatric cases. Zhur.nevr.i psikh,  
54 no.1:17-21 Ja '54. (MLRA 7:1)

1. Gor'kovskaya psikhonevrologicheskaya bol'nitsa Ministerstva  
zdravookhraneniya RSFSR. (Sleep) (Psychoses) (Neuroses)

AL'TMARK, A.M.

SHYKIN, I. M. (Dokent), AL'TMARK, A. M., FUCHINA, E. A., and KOSCHILIT, Ya. A.  
Analiz Effektivnosti Aktivnykh Metodov Lecheniya Zapravnykh Form Shirofrenii  
p. 368 V sb Aktual'nyy Problemy Nevropatologii i Psikhatrii. Mynsk, 1977  
In Osv'etovoy Psikhonevrologichesky Bol'nitsy



AL'TMARK, M.S.

Corals from Lower Carboniferous sediments in the southeastern part of Tatarstan. Paleont. zhur. no.4:118-121 '63.

(MIRA 17:1)

1. Tatarskiy neftyanoy nauchno-issledovatel'skiy institut (TatNII).

А.А.Алтышев, А.А.

USSR/Pharmacology. Pharmacognosy. Toxicology -  
Medicinal Plants.

T-5

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71742

Author : Altmyshev, A.A.

Inst :

Title : On the Pharmacology of Mountain "Flemis"

Orig Pub : Tr. in-ta Kraevoy, med, AN KirgSSR, 1956, vyp. 1, 155-158

Abstract : No abstract.

Card 1/1

- 64 -

AL'TNA, A. V., YANUS, R. I.

Induction of Residual Magnetization by means of Alternating Current.

ZhETF 17, 143, 1947.

ALTNEIDER, Janos, okleveles kohomernok

Designing the checkerwork and increasing the durability of the checkers in the oil-fired, cold-chamber, gas-fired siemens-martin furnaces, as well as in the natural gas, oil-fired, open-hearth furnaces. Koh lap 93 no.10:445-451 0 '60.

ALTNER, A.

New tasks of the communications and safety departments of railroads. p.203. (Zeleznicar. Praha. Vol. 6, no. 8, August 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

*AL'TNER, A.*

~~AL'TNER, A.~~

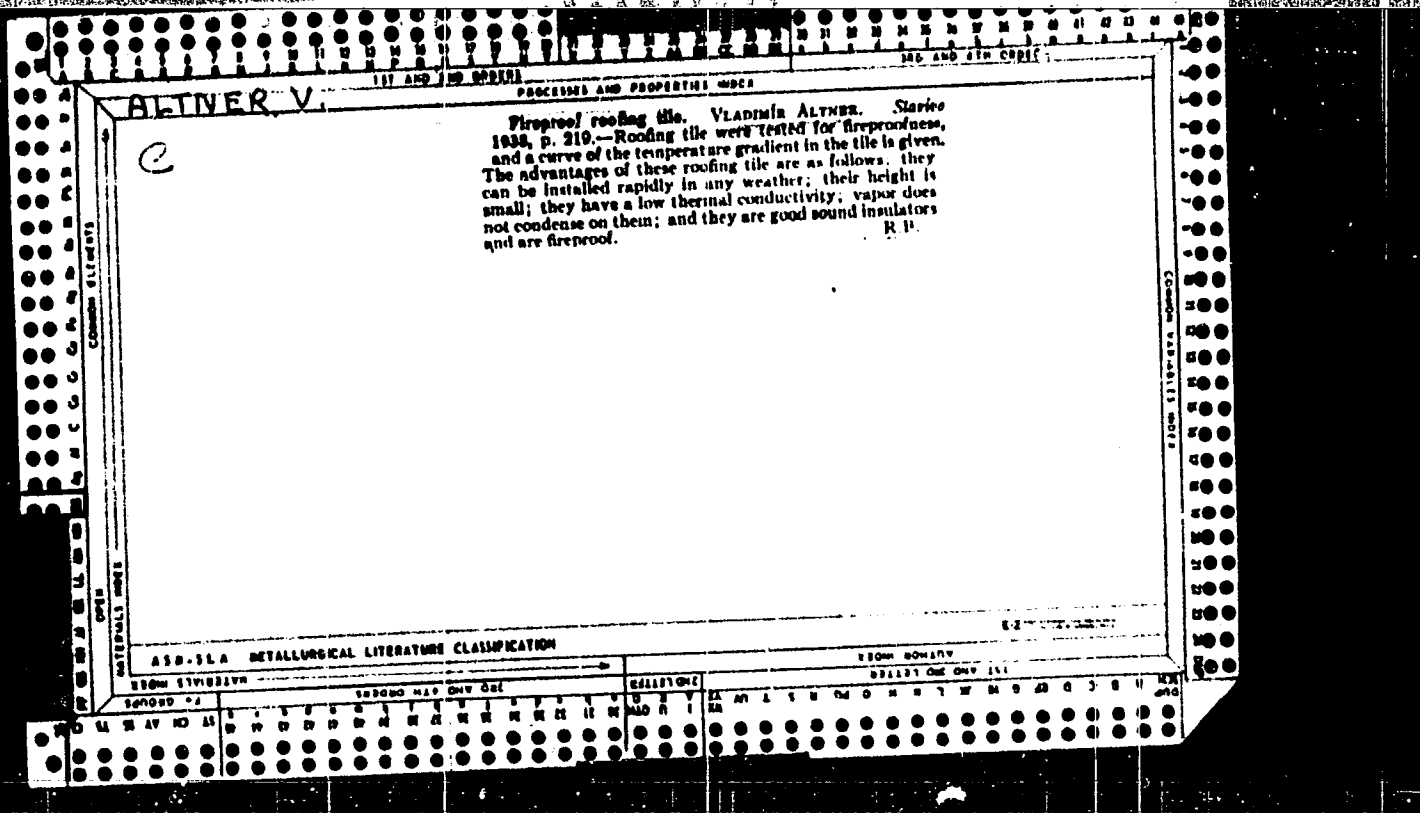
Strengthen freindship and cooperation. Avtom., telem. i svias' no.11:  
3 N '57. (MLRA 10:11)

1. Nachal'nik Upravleniya signalizatsii i svyazi Ministerstva putey  
soobshcheniya Chekhoslovakii.  
(Czechoslovakia--Railroads--Signaling)

**AITNER, Antonin, inzhener.**

The condition of communication and signaling, central control  
and block systems on Czechoslovak railroads. Zhel. dor. transp.  
39 no. 5:43-44 My '57. (MLRA 10:6)

1. Nachal'nik Tsentral'nogo upravleniya sluzhby zheleznodorozhnoy  
svyazi i blokirovki.  
(Czechoslovakia--Railroads--Signaling)





BCS ALTNER, V.

*Manufacturing Process  
General*

28. The planning of brickworks.—V. Altner (Stavka, 28, 22, 90, 117, 1090).  
 Czechoslovakian brickworks that were closed during the war were not repaired and  
 the manufacture of hand-made bricks has ceased. Pre-war only very few of the  
 brickworks operated all the year round. Reconstruction or new brickyards can solve  
 this problem of seasonal working. The local market for the bricks is to be studied.  
 Transport facilities, available labour and geological factors have to be considered in  
 siting a brickworks. In Czechoslovakia an annual output of 25 million bricks is  
 considered economical. The supply of raw materials should be sufficient for at  
 least 30 years' working. The works lay-out, with emphasis on economical transport  
 inside the works and the importance of specialising on certain types of wares, is  
 described. The preparation of raw materials by weathering and by mechanical  
 means is discussed. The advantages of various arrangements of machinery in the  
 plant is treated thoroughly. Of the 4 methods of shaping bricks, only wet pressing  
 is used in Czechoslovakia, although pressing in the semi-dry state is advantageous  
 when using tunnel kilns; the problems in the use of tunnel kilns have still to be  
 studied. Ordinary solid bricks when wet-pressed are not de-aired, but other products  
 are de-aired unless the raw material is very plastic. Tiles shaped on de-airing presses  
 have to be made with care to avoid lamination. Fully automatic cutters cannot be  
 used with precision engineering bricks. Independence of the weather and economical  
 reasons favour the use of artificial drying. Open Keller dryers built over the kilns  
 are uneconomical and dependent on the weather, but their use is widespread in  
 Czechoslovakia. Two types of dryer are recommended: those with forced air  
 circulation and a gradual raising of the air temp., and counterflow dryers. The  
 theory of drying is considered in an elementary manner. Czechoslovakian firing  
 practice is also described; Hoffmann, chamber kilns of the Bock type and intermittent  
 kilns are used. Coal firing is general in that country.

ALTNER, V.

"Prerequisites for shortening the drying period in brick factories." (p. 149).  
STAVIVO (Ministerstvo stavebnich hmot) Praha, Vol 32, No 4, Mar. 1954.

SO: East European Accessions List, Vol 4, No 8, Aug 1954

ALTNER, V.

"Experiences in practical uses of rotary-drying kilns." p. 232.

STAVIVO. (MINISTERSTVO STAVEBNICTVI). Praha, Czechoslovakia, Vol. 37, no. 7,  
July 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.  
Uncl.

ALTNER, V., inz.

"Principles of drying technology" by E. Krause. Reviewed by V.  
Altner. Stavivo 42 no.10:398-399 0 '64.

ALDOMARE, I.

"Tasks of the innovator movement in the food industry." p. 4 (Ujítok Lapis, Vol. 5,  
No. 14, July 1953, Budapest).

SO: Monthly List of East European Accessions, Vol.3 No.2 Library of Congress Feb 54 Uncl

ALTOHARE, I.

ALTOHARE, I.

"Tasks for the Food Industry in the Implementation of the New Government Program", P. 1. (TÖRTÉNYEK, Vol. 8, No. 1, Jan. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

ALTOHARE, I.

"Tasks before workers of the food industry in carrying out the decisions of the Party and the government program." *Elemzési Ipar*, Budapest, Vol. 8, No. 2, Feb. 1954, p. 33.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

ALTMARE, I.

Further improvement of production in the food industry and tasks of technical development. p. 65.

ELEMEZESI IPAR. (Mexogazdasagi Ipari Tudomanyos Egyesulet) Budapest.  
Vol 10, no. 3, Mar 1956.

SOURCE: EEAL, Vol 5, no. 7, July 1956



ALDOMARE, I.

Technical propaganda in the food industry. p. 15. Vol. 11, No. 17  
Sept. 1956. MUSZKAI ELET. Budapest, Hungary.

SOURCE: East European List, (EEL) Library of Congress Vol. 6, No. 1  
January 1956.

ALTON, L.V.

New sulfite yeast plant. Gidroliz.i lesokhim.prom. 13 no.5:18-21  
'60. (MIRA 13:7)

1. Tallinskiy tsellyulozno-bumazhnyy kombinat.  
(Tallinn--Yeast)

ATTORNEY: 0

most effective: in order to prevent the pipe from being dissolved  
inhibitors are added to the solution which prevent the  
components of the pipe from being dissolved  
by the acid. The most common method of inhibition is the use of  
organic amines. These amines react with the acid to form a  
complex which is much less corrosive than the acid itself.  
The most common amines used are triethylamine and diethylamine.  
The amount of inhibitor added depends on the concentration of the  
acid and the type of pipe material. In general, the amount of  
inhibitor added is in the range of 0.1 to 1.0 percent of the  
acid solution.

ALTORJAY, Istvan, Dr.; GAL, Gyorgy, Dr.

Extensive resection of the small intestine. *Magy. sebeszet* 11 no.2:  
147-150 Apr-June 58.

1. A Szegedi Orvostudományi Egyetem I. sz. Sebeszeti Klinikájának  
közleménye Igazgató: Jaki Gyula dr. egyetemi tanár.  
(INTESTINE, SMALL, surg.  
massive resection (Hun))

ALTORJAY, Istvan, dr.

Leiomyosarcoma of the duodenum. *Magy.sebeszet* 13 no.5:321-324  
0 '59.

1. A Szegedi Orvostudományi Egyetem I. sz. Sebészeti Klinikájának  
közleménye Igazgató: Petri Gábor dr. egyetemi tanár.  
(DUODENUM neopl)  
(LEIOMYOSARCOMA case reports)

AIPTORJAY, Istvan, Dr.

Submandibular fistula of unknown origin. Orv. hetil. 100 no.21:  
768-770 24 May 59.

1. A szegedi Orvostudományi Egyetem I. sz. Sebészeti Klinikájának  
(igazgató: Petri Gábor dr. egyet. tanár) közleménye.

(MANDIBULÁR, fistula

submandibular, of unknown origin (Hun))

KULKA, Frigyes, dr.; BOTOS, Arpad, dr.; ALTORJAY, Istvan, dr.

Late operations in traumatic diaphragmatic hernias. Magy sebesz. 14  
no.5:285-289 0 '61.

1. A Szegedi Orvostudományi Egyetem, I sz. Sebészeti Klinikájának  
közleménye Igazgató: Petri Gábor dr. egyetemi tanár.

(HERNIA DIAPHRAGMATIC surg)

NEMETH, Andras, dr.; PETRI, Gabor, dr.; GAL, Gyorgy, dr.; FAZEKAS,  
Sandor, dr.; ALTORJAY, Istvan, dr.; SCULTETY, Sandor, dr.;  
BALOGH, Eleonora, dr.; KARPATI, Ferenc, dr.

Kidney homotransplantation in 2 brothers. Orv. hetil. 104  
no.43:2017-2023 27 0 '63.

1. Szegedi Orvostudományi Egyetem, I. Sebészeti Klinika.  
(KIDNEY TRANSPLANTATION) (PYELONEPHRITIS)  
(PATHOLOGY)

27



ALTORJAY, Istvan, dr.

Subphrenic abscess in our 15-year clinical material. Orv. hetil.  
105 no.31:1440-1452 2 Ag '64.

1. Szagedi Orvostudományi Egyetem, Sebészeti Klinika.

AL'TOV, A.D.

Occurrence of a tooth in the fracture line of the mandible.  
Trudy 1-go MMI 44:47-52 '65. (MIRA 18:12)

BAZHANOV, N.N.; ALEKSANDROV, V.N.; AL'TOV, A.D.

Control of the adequacy of pulmonary ventilation in patients  
during maxillofacial surgery under intubation anaesthesia.  
Trudy 1-go MMI 44:23-28 '65. (MIRA 18:12)



At 700 A.I.

Yves. Dispersion of powdered ingredients in aqueous dispersions of rubber. A. I. AL'YOV and V. O. KRUMHOLTZ. *Uskoe Zap. Tsimadensk. Tekhn. Inst.*, 1954, I, 169; *Referat ZA Khim.*, 1957, etc.

13377 To produce stable dispersions of accelerators in latexes a solution of the accelerators was emulsified in the latexes. Diphenyl guanidine (DPG) dissolves in phenol alcohols at 60°C. On cooling the solution to 30°C there takes place rapid sedimentation and the latexes become unstable. The stability of the latexes is improved by the addition of a small amount of a stabilizer.

At 80°C a 0.1% solution of Atlas retains its stability on cooling to 30°C. The addition of Atlas to the latexes improves their stability.

3  
4E2c  
2MQU

K.M. 700

AL'TOV, A.I.

Salting out by means of solid nonelectrolytes. Khim. i khim.  
tekh. 1:239-246 '62. (MIRA 17:2)

L 34953-65 EWI(m)/EPF(o)/EWP(j) Pc-4/Pr-4 RM

2c

ACCESSION NR: AP5008i29 S/0138/65/000/003/0019/0023

AUTHOR: Bogdanovich, N. A.; Bol'shakova, Z. N.; Zakharov, M. D.; Rychkova, Ye. K.; Tyuremnova, Z. D.; Al'tov, A. I.; Poderukhina, V. M.

TITLE: The influence of some compositional factors on the stability of rubber made from chlorosulfonated polyethylene in corrosive media

SOURCE: Kauchuk i rezina, no. 3, 1965, 19-23

26  
24  
B 15

TOPIC TAGS: chlorosulfonated polyethylene, synthetic rubber, acid resistant rubber

ABSTRACT: Because of its high degree of saturation, chlorosulfonated polyethylene is relatively stable in corrosive media. It appeared to be of interest to investigate the effect of various components of these types of rubber on their behaviour toward various corrosive media. The influence of a number of conventional vulcanizing agents, accelerators, plasticizers and fillers was tested. The chemical stability of rubber types prepared from chlorosulfonated polyethylene was compared to the chemical stability of conventional butadiene rubber. The penetrability of each acid was tested by measuring the conductance of water which was separated from the acid by a film of the substance under investigation. Conventional mechanical strength tests were also performed. The test results are shown in tabular and graphic form.

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L 34953-65

ACCESSION NR: AP5008129

It was shown that various types of rubber can be prepared from chlorosulfonated polyethylene, whose resistance to acids is superior to that of conventional butadiene rubber. The composition of each product must be designed for the specific use intended. Orig. art. has: 6 tables. {VS}

ASSOCIATION: Yaroslavskiy zavod rezinovykh tekhnicheskikh izdeliy (Yaroslavl' Technical Rubber Equipment Plant); Yaroslavskiy tekhnologicheskii institut (Yaroslavl' Technological Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 004

OTHER: 001

ATD PRESS: 3214

Card 2/2



AL'TOV, G.; BAKHTIAROV, R.

The oil well will live. Znan, sila 33 no.10:15-17 0 '58. (MIRA 11:11)  
(Oil wells--Repairing)

AL'TOV, G.; IZMAYLOV, Ya.A., kand.tekhn.nauk; NEMCHENKO, G.; ZVEREV, S.

Brief news report. Znan.sila 33 no.12:12-13 D '58. (MIRA 11:12)  
(Technology)

AUTHOR: Al'tov, G.

SOV/4-59-1-30/42

TITLE: Can the Cosmic Cold be Utilized (Mozhno li ispol'zovat' kosmicheskiy kholod)

PERIODICAL: Znaniye - sila, 1959, Nr 1, p 41 (USSR)

ABSTRACT: A reader wishing to know whether the utilization of cosmic cold is scientifically desirable, is given a negative reply. Cosmic space has no temperature, except for the interstellar dustlike gas substance which is cooled to minus 200 degrees.

Card 1/1

AUTHOR: Al'tov, G. (Baku) SOV/29-59-3-14/23

TITLE: The Submarine Lake (Podvodnoye ozero)

PERIODICAL: Tekhnika molodezhi, 1959, Nr 3, pp 28-31 (USSR)

ABSTRACT: This is a science-fiction story in the form of a report which deals with the discovery of a petroleum lake on the sea bottom. In this connection the problem of water pressure and the so-called critical threshold is discussed, below which liquids and gases do not reach the surface. This critical threshold is different in various substances. There are 3 figures.

Card 1/1

AL'TOV, G. (g. Baku)

The first invention. Izobr. i rats., no. 6:18 Ja '59.  
(MIRA 12:9)  
(Baku--Prestressed concrete construction)

AL'TOV, G.

There is no provincialism in inventing. Izobr.i rats. no.7:36  
Jl '59. (MIRA 12:11)  
(Barda--Efficiency, Industrial)

AL'TOV, G.

Can a machine think? Znan.sila 36 no.7:39-42 J1 '61. (MIRA 14:9)  
(Cybernetics)

AL'TOV, G.; KORNEYEV, S.G., red.; KHAYKINA, A., nauchn. red.;  
POPOV, V.N., tekhn. red.

[Ten per cent adventures] Desiat' protsentov prikliuchenii.  
Tambov, Tambovskoe knizhnoe izd-vo, 1962. 40 p. (Biblio-  
techka novatora, no.3) (MIRA 16:10)  
(Technological innovations)



AL'TOV, G.S. (Baku)

Paleontology and bionics. Priroda 53 no. 11:111-112 '64.  
(MIRA 18:1)

L 14298-65 EEC(b)-2/EPF(c)/EPF(n)-2/EPR/EVP(j)/EWT(1)/EWT(2)/EWP(h)/ERC(f)  
E-R(j) Fc-4/Pr-4/Pb-4/Pu-4 RAEM(c)/IJP(-) 31/24/2/11/11  
ACCESSION NR: AF4049130 S/0026/01/159/001/0060/0061

**AUTHOR:** Sy\*chev, V. V.; Zenkevich, V. B.; Andrianov, V. V.; Al'tov, V. A.

**TITLE:** Discontinuity of the critical a-c current value in passing through the lambda-point of a superconducting solenoid

**SOURCE:** AN SSSR. Doklady\*, v. 159, no. 1, 1964, 60-62

**TOPIC TAGS:** superconductivity, lambda point, superconductive solenoid, AC superconductivity, critical current discontinuity, helium immersed solenoid

**ABSTRACT:** The factors determining the critical current value in superconducting solenoids were studied experimentally by establishing the behavior of the critical current value as the temperature was reduced. Network power at a frequency of 50 cps was used in measurements. The coils were made of 65 BT (a multi-component Nb-Ti-based alloy developed by the Central Scientific Research Institute of Ferrous Metallurgy) superconducting wire 0.25 mm in diameter, "coiffles" coated to a diameter of 0.30 mm. The experimental arrangement permitted lowering the temperatures in the cryostat to 2K by reducing the helium vapor pressure in the chamber. Three types of solenoids

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ACCESSION NR: AP4049130

were investigated. Type I had 6200 turns with inside and outside diameters of 16 and 45 mm respectively, and a coil height of 35 mm. The value of the critical current density remained constant in this solenoid, down to a temperature of about 2.17K where a sharp upward jump occurred. The solenoids of types II and III were wound on a polyfluoroethylene form of 55 mm high and having an axial hole of 6 mm in diameter. Solenoid II had 5000 turns, its inside and outside diameters were 16 and 39 mm, and it was 35 mm high. Solenoid III had 2700 turns, inside and outside diameters of 16 and 29 mm, and a height of 35 mm. The measurements revealed that the value of critical current density rises sharply with smaller solenoids. The results obtained point to a strong dependence of the critical current value on the penetration of the liquid helium into the inner zone of the winding. Helium vapors in that zone apparently do not prevent the inflow of the liquid. In any case, the results obtained cannot be satisfactorily explained solely by changes in heat conduction from the surface of the solenoid during the transition through the lambda point. Orig. art. has: 3 figures.

Card 2/3

L 14298-65

ACCESSION NR: AP4049130

ASSOCIATION: Nauchno-issledovatel'skiy institut vysokikh temperatur  
Moskovskogo energeticheskogo instituta (Scientific Research Institute  
of High Temperatures, Moscow Power Engineering Institute)

SUBMITTED: 15Jun63

ENCL: 00

SUB CODE: EC

NO REF SOV: 000

OTHER: 004

ATD PRESS: 3136

Card 3/3

L 56002-65 ENT(1)/ENT(m)/EPP(c)/EPP(n)-2/ENG(m)/EPR/FCS(x)/EHA(1) P1-1/P1-4/

Ps-4/P1-4/P1-4 WW  
ACCESSION NR: AP5016697

UR/0294/65/003/003/0409/0420  
532.526.2

46  
B

AUTHOR: Anfimov, N. A. (Moscow); Al'tov, V. V. (Moscow)

TITLE: Friction and heat and mass transfer in a laminar multicomponent boundary layer during the injection of foreign gases

SOURCE: Teplofizika vysokikh temperatur, v. 3, no. 3, 1965, 409-420

TOPIC TAGS: boundary layer, gas injection, heat transfer, mass transfer

ABSTRACT: The injection of gas into the boundary layer of a multicomponent gas mixture was investigated with allowance for the effect of the injection on the conditions. The purpose of this investigation was to: 1) improve the accuracy of approximate formulas for calculating the effect of injecting a single foreign gas on the heat transfer, 2) obtain approximate formulas for calculating the effect of injecting several gases with different properties on the heat transfer in a multicomponent boundary layer; 3) study the character of mass transfer in a multicomponent boundary layer, and 4) investigate the influence of the injection of foreign gases on the effect of the diffusional distribution of the injected gas. It was determined that

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L 6002-65  
ACCESSION NR: AP5016697

that the diffusional separation effect increases with increasing injection velocity. 0  
An especially strong influence of the diffusional separation is noticed when light  
gases are injected. Orig. art. has: 30 formules and 6 figures. [AC]

ASSOCIATION: none

SUBMITTED: 13Jul64

ENCL: 00

SUB CODE: METD

NO REF SOV: 010

OTHER: 008

ATD PRESS: 4034

*xl*  
Card 212

AL'TOVA, O.; MAYOROVA, V., tkachikha; PUTINTSEVA, Ye., uchetchitsa;  
VORONINA, A., tkachikha; BOROVKOVA, A., tkachikha; VOROB'YEVA, A.;  
KASPERSKAYA, N.; PEREPLETCHIKOVA, V.; CHUZHAKHINA, L., tkachikha;  
KULIKOVA, M., tkachikha

That's better. Rabotnitsa. 40 no.6:21 Je '62. (MIRA 16:3)

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  2. Gorbunovskaya tkatskaya fabrika Moskovskogo oblastnogo soveta narodnogo khozyaystva (for Mayorova, Putintseva, Voronina, Borovkova).
  3. Direktor Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Vorob'yeva).
  4. Predsedatel' fabrihnogo komiteta Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Kasperakaya).
  5. Nachal'nik otdela truda Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Perepletchikov).
  6. Noginskaya lentotkatskaya fabrika "Krasnaya lenta" (for Chushakhina, Kulikova).
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4. *Geology and Geography*
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redaktor; POPOV, N.D., tekhnicheskij redaktor.

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

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logii i inzhenernoy geologii.  
(Water, Underground)

SOV/14-57-12-25392

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 12,  
p 12 (USSR)

AUTHOR: Al'tovskiy, M. Ye.

TITLE: Preparation of Small Scale Hydrogeological Maps  
(Printsipy sostavleniya melkomasshtabnykh gidro-  
geologicheskikh kart)

PERIODICAL: Tr. Vses. n.-i. in-ta gidrogeol. i inzh. geol. 1956,  
Nr 14, pp 197-210

ABSTRACT: The author discusses the basic principles and tech-  
niques involved in preparing hydrogeological maps to  
the scales of 1:100 000 and 1:1 000 000. Experience  
has shown that the following principles are essential:  
1) maps must be simple and easy to read; 2) they must  
include available relevant material (existing hydro-  
geological maps with cross sections and short explana-  
tory notes) and relevant data from a general store

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SOV/14-57-12-25392  
Preparation of Small Scale Hydrological Maps (Cont.)

of information (a map, lists of the wells, drill holes, springs and other material shown on a physical map) 3) every set should include maps showing ground waters and those showing artesian wells. The main features shown on hydrological maps should include the distribution of aquifers and of impervious strata, and data on ground water intake, movement and drainage. A map should also show the places where water is located, including such features as the depth to the top of the aquifer, the depth to water, volume of water, its temperature, mineral content, gas content, specific properties, the geological age of the aquifers, total volume of reserves, elevation of springs, and other items. The author discusses the basic individual techniques for preparing ground water maps and for preparing artesian well maps.

Card 2/2

Z. G. R.

BELYY, L.D., kandidat geologo-mineralogicheskikh nauk; AL'TOVSKIY, M.Ye.,  
professor, redaktor; LARIONOV, G.Ye., ~~tehnicheskii redaktor~~

[Basic problems in the theory and practice of engineering geology  
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(Water, Underground)

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DOBRYNIN, P.A.; SLAVYANOVA, L.V., CHURINOV, M.V., CHAPOVSKIY,  
Ye.G., red.; SOLOV'YEVA, kartograf, red.kart; DOLGONOS, L.G.,  
tekhn.red.kart; GRISHINA, T.B., red.isd-va; BYKOVA, V.V., tekhn.  
red.

[Methodological directions for the compilation of hydrogeological  
maps at the scales of 1:1,000,000 - 1:500,000 and 1:200,000 -  
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"Method of Compiling Hydrogeological Maps in 1:1,000,000 - 1;500,000 and  
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no.19:49-53 '61. (MIRA 15:2)  
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[Organic matter and microflora of underground waters and their significance in the processes of oil and gas formation] Organicheskie veshchestva i mikroflora podzemnykh vod. i ikh znachenie v protsessakh neftegazobrazovaniia. [By] M.E. Al'tovskii i dr. Moskva, Gostoptekhizdat, 1962. 293 p. (MIRA 15:10)

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no.20:179-198 '62. (MIRA 16:4)

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[Bottom waters in southwestern Turkmenistan and hydrogeological data on oil and gas potentials of this region] Glubokie vody Iugo-Zapadnogo Turkmenistana i perspektivy neftegazonosnosti etogo raiona po gidrogeologicheskim dannym. Ashkhabad, Izd. AN Turkm. SSR, 1963. 143 p. (MIRA 16:7)  
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retsensent; AL'TOVSKIY, M.Ye., retsensent; BEREZOVSKAYA, L.I.,  
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Trudy, no.2). (MIRA 17:4)

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Underground evaporation and the formation of the chemical composition of highly mineralized underground waters. Trudy VSEGINO no.9:176-188 '64. (MIRA 17:10)



ALTOVSKIY, R.M.

✓ 22/13/3

620.197.5

Electrochemical Protective Action  
of Cathodic Coatings

G.P. Chernova, R.M. Altovsky  
Institute of Electrochemistry, M.

Sov. Acad. Nauk  
110(6), 1030-1033

U.S.S.R.

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const. fizicheskoy khimii i t.d. i t.p.

12/11

5(4), 18(7)

AUTHORS:

Tomashov, N. D., Al'tovskiy, R. M.

SOV/76-33-3-17/41

TITLE:

Investigation of the Mechanism of Electrochemical Corrosion of Titanium (Issledovaniye mekhanizma elektrokhimicheskoy korrozii titana). I. Effect of the Halogen Ions Upon the Corrosion and Electrochemical Behavior of Titanium in Sulfuric Acid (I. Vliyaniye galoidnykh ionov na korroziionnoye i elektrokhimicheskoye povedeniye titana v sernoy kislote)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 3, pp 610 - 616 (USSR)

ABSTRACT:

Recently several investigations have been carried out dealing with the corrosion properties of titanium, for titanium has properties well suited for construction material. The present paper deals with the effect of the  $Cl^-$ ,  $Br^-$  and  $J^-$  ions upon the behavior of Ti in sulfuric acid solutions. Cold-rolled titanium tin VT-1D (0.12% Fe, 0.022 - 0.023% H, 0.23 - 0.26% O, 0.05% Si and 0.017% N) was investigated. The experiments were carried out in the air and in hydrogen atmosphere. The rate of corrosion was

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Investigation of the Mechanism of Electrochemical SOV/76-33-5-17/41  
Corrosion of Titanium. I. Effect of the Halogen Ions Upon the Corrosion  
and Electrochemical Behavior of Titanium in Sulfuric Acid

determined according to the loss in weight and the halogen ions were added in form of their Na-salts. The experimental results obtained confirm the assumption that the corrosion behavior of Ti is determined by a coating of an oxide film on the metal. Thus, it is possible to explain observations as to a Ti-activation in diluted sulfuric acid in the presence of oxygen and a considerable potential shift towards more negative values in connection with a purification of the titanium surface. The addition of  $J^-$ -ions produced in several cases an increased corrosion resistance of titanium which is due to a passivation by the formation of a complex ion  $J_3^-$ .  $Cl^-$  and  $Br^-$  ions have a double effect; in diluted acid solutions where titanium is passivated they cause an activation; and in concentrated acid solutions with activated titanium they cause a passivation. The nature of the effect of  $Cl^-$  and  $Br^-$  ions depends on the state of the Ti-surface and the formation of an adsorption- or phase protective film respectively. There are 5 figures and 13 references, 6 of

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Investigation of the Mechanism of Electrochemical Corrosion of Titanium. I. Effect of the Halogen Ions Upon the Corrosion and Electrochemical Behavior of Titanium in Sulfuric Acid

SOV/76-33-3-17/41

which are Soviet.

ASSOCIATION: Akademiya nauk SSSR, Institut fizicheskoy khimii, Moskva  
(Academy of Sciences, USSR, Institute of Physical Chemistry,  
Moscow)

SUBMITTED: July 18, 1957

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