

ZOMBORI, E.

Thermistors and their use. P. 36 RADIOCHNIKA (Magyar Onkentes
Honvedelmi Szovetseg) Budapest Vol. 6, no. 2, Feb. 1956

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

ZOMBORI, E.

Thermistors and their use. (To be contd.) p. 70.
RADIOTECHNIKA. (Magyar Onkentes Honvedelmi Szovetseg) Budapest.
Vol. 6, no. 3, Mar. 1956.

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

ZOMBORI, E.; CSEPHATI, A.

Thermistors and their uses. P. 103 RADIOCHNIKA Budapest,
Vol. 6, no. 5, May 1956

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

ZOMBORI, ETELKA

Hungary/Electronics - Semiconductor Devices and Photocells, H-8

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35193

Author: Zombori, Etelka; Csérhati, Andras

Institution: None

Title: Thermistors and Their Applications

Original

Periodical: Radiotecnika, 1956, 6, No 6, 125-127; Hungarian

Abstract: None

Card 1/1

ZOMBORI, Ferenc

Track maintenance conference in Veszprem. Vasut 12 no.10:
16-17 25 0 '62.

ZOMBORI, Janos, tudományos fémunkatárs; HORVATH, Jozsef, tudományos munkatárs

International situation of tractor production and tractor development. Jarmu mezo gep ll no.8:296-306 Ag '64.

1. Experimental Institute of Agricultural Machinery, Budapest.

ZOMBORI, Janos

Surface improvement of wood plastics by synthetic resin films.
Faipar 12 no.1:1-6 Ja '62.

ZOMBORI, Janos

Gluing in the wood industry. Pt. 1. Faipar 13 no.5:154-163 My '63.

ZOMBORI, Janos, okleveles gepeszmernok, tudomanyos munkatars

One-axle tractors. Jarmu mezo gep 5 no.1:26-31 Mr '58.

1. Mezogazdasagi Gopkiserleti Intozet.

ZOMBORI, Janos

Slip measurement and its new methods. Jarmu mezo gap 7
no.6:225-229 '60.

ZOMBORI, Janos, okleveles vegyeszmernok; MATE, Zoltan, okleveles
vegyeszmernok

Complex utilization of wood. Technika 8 no. 6: 6-7 Je '64.

ZOMBORI, Janos

Questions relating to the technology of manufacturing glued veneer barrels. Faipar 10 no.10:316-320 0 '60.

1. Faipari Kutato Intezet.

ZOMBORI, Janos

Some problems relating to the surface treatment of chip boards.
Faipar 11 no.12:371-376 D '59.

ZOMBORI, J.

Covering chip boards with plastics. p. 340.

FAIPAR. (Faipari Tudományos Egyesület) Budapest, Hungary, Vol. 9, no. 11, Nov. 1959.

Monthly List of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960.

Uncl.

ASZODI, Zoltan, dr.; ZOMBORI, Jozsef, dr.

Correlations between cholesterol, cholic acid and bilirubin content of of the plasma in various diseases associated with jaundice. Orv. hetil. 103 no.44:2074-2078 4 N '62.

1. Orvostovabbkepzo Intezet es Budapesti Orvostudomanyi Egyetem, Biokemiai Intezet.

(BILE ACIDS AND SALTS) (CHOLESTEROL) (BILIRUBIN)
(JAUNDICE)

ZOMBORI, János

Investigations to clarify the optimum gluing conditions of chip boards. Faipar 10 no.5:150-155 My '60.

1. Faipari Kutato Intezet.

ZOMBORI, Janos

Plastic covering of chip boards. Faipar 11 no.11:340-343 N '59.

1. Faipari Kutato Intezet.

ZOMBORI, Janos

Data on the comparison of the adhesion conditions of tractors
with back-wheel and four-wheel drives. Jarmu memo gep 9
no.5:189-192 My '62.

1. Mezogazdasagi Gepkiserleti Intezet tudomanyos munkatarsa.

ZOMBORI, Janos

Application of fiberboards in the construction industry. *Magy*
ep ipar 12 no.6:241-249 '63.

COUNTRY : Hungary H-33
CATEGORY :
ABS. JOUR. : RZKhim., No. 16 1959, No. 59403
AUTHOR : Zombori, J.
INST. : Not given
TITLE : Laboratory and Plant-Scale Tests of the Joint
Application of Carbamide Resins and of Fillers
in the Production of Plywood Panels
ORIG. PUB. : Faipar, 8, No 6, 173-176 (1958)
ABSTRACT : Starch, rye flour, and finely ground sunflower
husks were used in laboratory tests as fillers
for carbamide binders. The results from measure-
ments of the bending strength, water absorption
capacity, and swelling of panels (20 mm thick,
650 kg/m³ bulk wt) containing from 2 to 8%
binders with 65% filler added to the latter,
are given. It has been found that the above-
indicated fillers improve the quality of the
panels both with respect to strength and to

CARD: 1/2

ZOMBORI, Janos, okleveles gepeszmernok

Characteristics and problems of the regulating tractor
hydraulics. Jarmu mezo gep ll no.11:401-412 N '64.

ZOMBORI, Margit, dr.; GORACZ, Gyula, dr.; PATAKY, Zsigmond, dr.

Contributions to the pathology of breast sarcoma. Magy. sebesz.
16 no.6:385-389 D '63.

1. A Budapesti Orvostudományi Egyetem II sz. Kóronctani
Intézetének (Igazgató: Haranghy László dr. MTA levelező tag)
és a Budapesti Orvostudományi Egyetem I sz. Sebészeti Klinikáján
(Igazgató: Hedri Endre [deceased] dr. egyetemi tanár) közleménye.
(BREAST NEOPLASMS) (SARCOMA)
(SURGERY, OPERATIVE) (PATHOLOGY)
(CYSTOSARCOMA PHYLLOIDES)

BRAUN, Peter, okleveles villamosmérnök; ZOMBORY, Emil, okleveles
villamosmérnök

High-accuracy electronic measuring device of network models.
Elektrotechnika 56 no.4:165-172 Ap '63.

1. Villamos Energetikai Kutató Intézet tudományos munkatársa,
Budapest, VI., Rudas László u.27.

HUNGARY

ZOMBORY, Jozsef, Dr.; ASZOSI, Koltan, Dr.; Medical University of Budapest, Institute of Biochemistry, Institute for Graduate Medical Training (Budapesti Orvostudomanyi Egyetem, Biokemiai Intezet, Orvostovabbkepzo Intezet).

"The Bile Acid Content of Serum in Diabetes Mellitus."

Budapest, Orvosi Hetilap, Vol 103, No 45, 11 Nov 62, pages 2120-2122.

Abstract:[Authors' summary modified] Serum cholesterol determinations were made on diabetic patients controlled by diet alone, by diet and oral antidiabetic compounds combined, and by diet and insulin. The serum cholesterol level was elevated in all three groups. Depending on the extent of diabetes the level was elevated up to 3-4 times the normal value. Relative to the cholesterol levels found in the patients whose disease was controlled by diet alone, those receiving insulin showed a more elevated cholesterol level than the group treated by oral preparations.

[2 Hungarian, 22 Western references]

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ZOMBORY, Jozsef, dr.; ASZOLDI, Zoltan, dr.

Cholic acid content of the blood plasma in diabetes mellitus. Orv.
hetil. 103 no.45:2120-2122 11 N '62.

1. Budapesti Orvostudományi Egyetem, Biokémiai Intézet, Orvostovábbképző
Intézet.

(BILE ACIDS AND SALTS) (BLOOD CHOLESTEROL)
(DIABETES MELLITUS)

ZOMBORY, Laszlo, a kemiai tudományok doktora

Modern analytic methods applied in the Hungarian alumina and aluminum industry. Kem tud kozl MTA 22 no.1:88-101 '64.

1. Research Institute of the Metal Industry, Budapest.

ZOMBORI, J.

"Veneering of chip boards by carbamide-synthetic resin with
the cold method." p. 100

FAIPAR. (Faipari Tudományos Egyesület). Budapest, Hungary
Vol. 9, No. 4, Apr. 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

ZOMBORI, J.

CSEH, G.; HERMANN, V.S.; ZOMBORI, J.

The localization and properties of ATP-dephosphorylating enzymes
in the brain. Acta physiol. hung. 5 no.3-4:353-367 1954.

1. Biochemisches Institut der Medizinischen Universität, Budapest.
(ADENYLPHOSPHATE, metab.
*dephosphorylation in brain)
(BRAIN, metab.
*ATP dephosphorylation)

ZOMPORE J. AND CSEH G.

Biochem. Inst., Med. Univ., Budapest. *Das ATP-spaltende Enzymsystem des Gehirns. The ATP-splitting enzyme of brain ACTA PHYSIOL.ACAD.SCIENT.HUNG. (Budapest) 1954, 5/suppl. (11-12)

SO: EXCERPTA MEDICA, Section II Vol. No. 11

ZOMBORI J. and SZANKCSY-ROHMANN J.

Biochem. Inst. der med. Univ., Budapest. *Zusammenhang zwischen Adenylsäuredeaminase und Strukturproteinkörpern des quergestreiften Muskels. Relatione in between adenyllic acid deaminase and structural proteins of striated muscle ANNA PESTENSIS, ANNU. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (8-9)

SO: ZOCERETA MEDICA - Section II, Vol. 7, No. 10

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065420008-4

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065420008-4"

ZOMBORI, János

Surface treatment of chip boards by transparent and covering
film creating substances. Faipar 11 no.9:262-269 S '61.

1. Faipari Kutato Intezet.

L 10338-66

ACC NR: AP6003342

SOURCE CODE: HU/0018/54/017/002/0114/0118

Author: Szekes, Tamás--Tamosi, T. *42*

Inst: Institute of Biochemistry, Medical University of Budapest (Hungary)

Pub: Kiseletés Orvostudomány, v. 11, no. 2, 1965, 144-147

TOPIC TAGS: rat, biochemistry, nervous system, neurology, liver, blood serum, animal physiology

ABSTRACT: The cholesterol content of the serum and liver of white male rats has been studied one and a half hours after acute stress on the nervous system. The serum cholesterol level of the experimental animals was found to be significantly lower than that of the controls. There was no change in the cholesterol content of the liver. Results contrary to these were obtained with animals which received similar stimulation every second day for three weeks before exsanguination. In these cases, the serum cholesterol level increased and the liver cholesterol content decreased. Annamaria Kovacs served as technical assistant for this work. (Eng. art. has: 2 figures and 1 table) [JIKR]

SUB CODE: 06 / SUBM DATE: 09Apr64 / ORIG REF: 007 / OTH REF: 024

Card 1/1

ZOMBORY, Laszlo, dr.

The "Hungarian silver." Elet tud 18 no.6:166-170 10 F '63.

ZOMBORI, Margit, dr.; ANTMANN, Istvan, dr.; SZUCS, Sandor, dr.

Carcinoma of the thymus gland with unusual complication. Tuberkulózis
14 no.3:78-80 Mr '61.

1. A Budapesti Orvostudományi Egyetem II sz. Kórháztani Intézetének
(igazgató: Haranghy László dr. MTA levelező tag) és Budapesti Orvostudo-
mányi Egyetem Tudományegyetemi Klinikája (igazgató: Kovács Ferenc dr.
egyetemi tanár) közleménye.

(THYMUS GLAND neoplasms)

PINTER, Janos, tudomanyos kutato; ZOMBORI, Vilmos, tudomanyos kutato

Technology of semiconductor basic materials. Technika 9
no.1:6-7 Ja '65.

VECSERNYES, Lajos; ZOMBORI, V.

Spectrochemical analysis of SiCl_4 . Chem anal 7 no.2:429-433 162

1. Tavküzlesi Kutato Intezet, Budapest.

ZOMBORY, Emil

Fault locating on power transmission lines by the impulse method.
Elektrotechnika 54 no. 12:550-554. D'61.

1. Villamos Energetikai Kutató Intézet.

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APPROVED FOR RELEASE: 03/15/2001

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ZOMBORY, Emil

Fault localization on power transmission lines by means of the impulse method. Elektrotechnika 54 no.12:550-554 D '61.

1. Villamos Energetikai Kutato Intezet.

ZOMBORY, L.

Pocket Book on Analytics, p. 139 (Kohaszati Lapok. Budapest Vol. 11, no. 6,
June 1956 Ontode. Vol. 7, no. 6)

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

Leaking to

ZOMBORY, L.

Hungarian
Technical Abst.
Vol. 5 No. 4
1953

61. Determination of sodium oxide in red mud containing Na_2O ---
Na₂O meghatározása meszes vöröslevegőben --- L. Zombory and
M. Kenez. (Aluminium -- (Kohászati Lapok) --- Vol. 4, 1952,
No. 12, pp. 265-267, 5 tabs.)

Determining the sodium oxide content of red mud by the Papp electro dialysis procedure requires less time than the classical method of gravimetric estimation of sodium sulphate. The essential point of the modification consists in collecting the entire quantity of the cathodic liquor produced during the four hours of electro dialysis. (In the original procedure each portion was titrated separately). The collected cathodic liquor was acidified in excess by 0.1 n hydrochloric acid in the presence of methyl red as an indicator, was boiled for 3 minutes and titrated back with an 0.1 n sodium hydroxide solution. The total amount of sodium-calcium in the cathodic liquor was thus obtained. From the remaining solution calcium was precipitated in the presence of ammonium chloride by ammonium oxalate and estimated by oxidimetric titration.

Zembory, L.

"Quick Determination of the Sulfate Content in Aluminate Liquors." p. 519, Budapest, Vol. 3, no. 4, 1953.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

LASZLO ZOMBORY

18 6
 1-15-54
 Determination of the nitrogen content of aluminum of
 good conductivity. Laszlo Zombory and Vera Sapsal.
~~Emiliani, Kacala, Jucal, Kacala, Jucal~~ 1954, 273-5. A
 colorimetric examn. of Al of good cond. (with some of its
 Si and most of its Ti and V removed) has a very low N con-
 tent of about <0.001%. This content does not affect the
 cond. Felicitas D. Goodman

Johnson, J.

... the Na₂O ...
... 1969 B. 51, may also, with ...
... the determination of the Na₂O ...

1/18

Zembov, L.

ZOMBORY, LASZLO

A tinfold-aluminiumipar elemzesi eljárásai. Budapest, Magyar Konyvkiado,
1955. 267 p. (Methods of annalysis in the alumina aluminum industry. illus., index
tables)

so. EAST EUROPEAN ACCESSIONS LIST

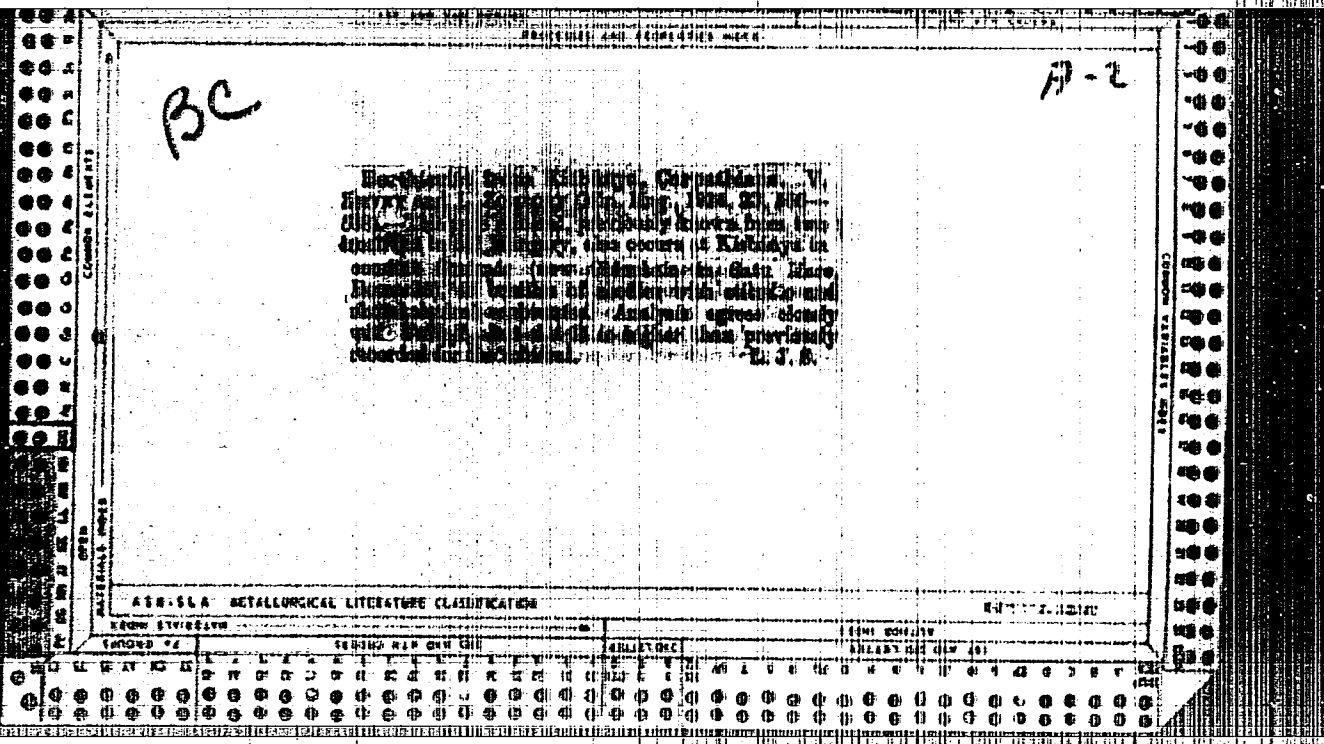
Vol. 5, No. 7

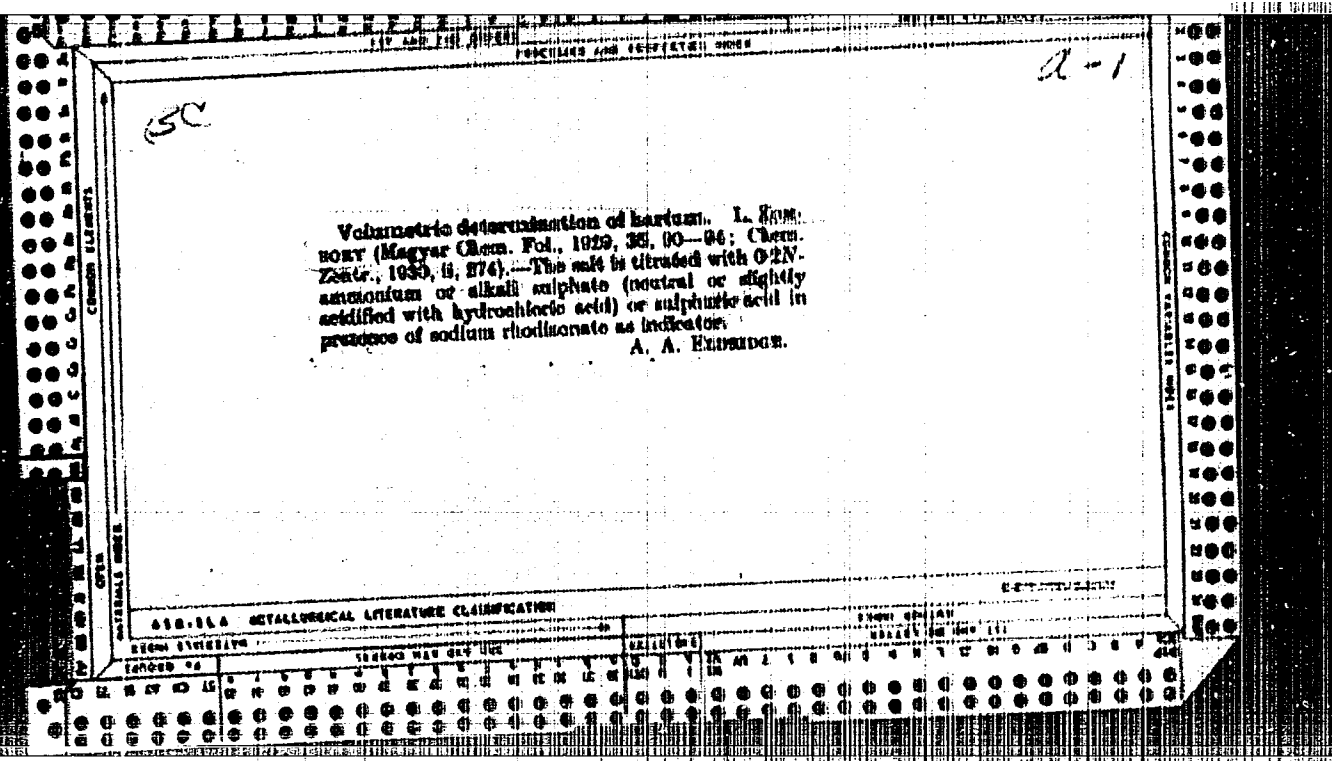
July 1956

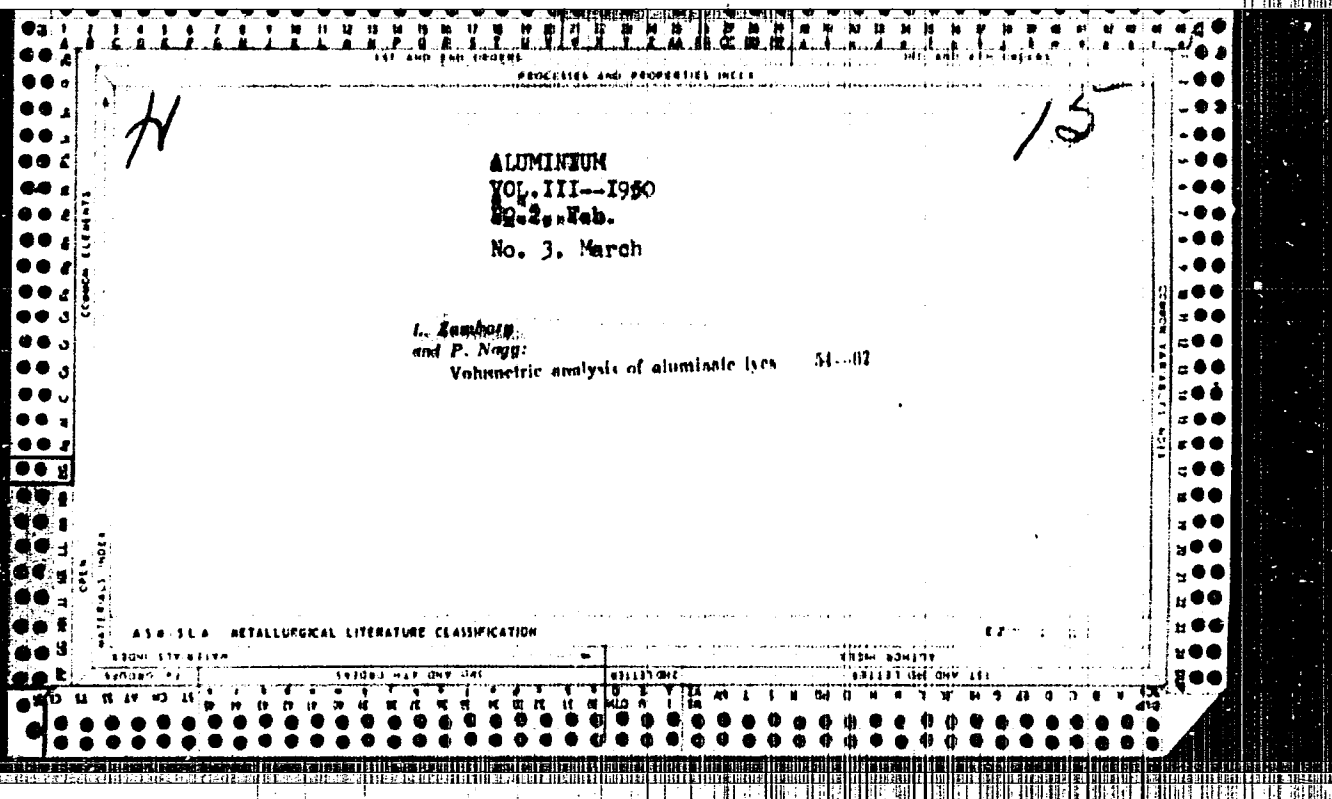
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3493. Determination of the sodium content of metallic aluminum.
E. Papp, L. Zombory, and J. Hodi (*Aluminium, Budapest, 1951*,
S. 217—219; *Reval Abstr.*, 1952, 19, 797).—Kokke's amyl alcohol
method (detailed) gave the best results in a study of various
methods.
R. B. CRANE.







met. Abstracts

Determination of the Sodium Content of Metallic Aluminium.
E. Papp, L. Zengberg, and J. Hazi (*Aluminium (Budapest)*, 1951, 3, (10), 217-220).—[In Hungarian]. After discussing various methods of analysis, the authors give a detailed description of the amyl alcohol method of determining Na in Al, according to Koide. Experiments which show that this method yielded best results are briefly summarized. 11 ref. —I. S. M.

PROCEDURES AND PROPERTIES

Ca

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Determination of lead as phthalate. Laski Zombory, Magyar Chem. Folyirat 44, 102-110 (1938). -- Pb phthalate contg. 58.81% Pb, can serve for the detn. of Pb in neutral solns. contg. no other cations than those of the alkalis, Ca and Mg. At least 30% HClO₄ should be present to prevent appreciable soly. of the ppt. It can be dried at 110° without decomn. S. S. de Finlay

458-51A METALLURGICAL LITERATURE CLASSIFICATION

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1455000	1455000	1455000
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PROCESSES AND PROPERTIES INDEX

Spherulitic and siderite from Feisthölz. Sinder Korb and László Zombory. *Földtani Közlemények*, 18:20 (1935).—The sample of spherulitic contained FeO 40.10, MnO 19.20, CaO 1.49, MgO 0.21 and CO₂ 38.18%; d₁₀₀ = 3.802. Siderite: FeO 55.71, MnO 3.42, CaO 0.53, MgO 1.71 and CO₂ 34.35%; d₁₀₀ = 3.820. Crystallographic data on both are given in detail.

S. S. de Fuirly

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000

PROCESSES AND PROPERTIES INDEX

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ca

The chemical composition of garnets from Vasho-Dogmuckaha. *László Zombory. Minn. naturw. Anz. ungar. Abtd. Wiss. Sz., 179-80(1935).*—Two green garnets contained SiO₂ 35.10, 35.70; Al₂O₃ 0.88, 2.61; Fe₂O₃ 29.06, 30.42; MnO 0.08, 0.21; CaO 32.31, 32.38; MgO 0, 0.25; and FeO 0.33, 0.46%; loss on ignition was 0.47, 0.44%. Two light-brown garnets contained SiO₂ 35.20, 35.26; Al₂O₃ 0.86, 2.45; Fe₂O₃ 30.82, 28.33; MnO 1.65, 1.71; CaO 31.20, 31.22; no MgO; and FeO 0.61, 0.44%; loss on ignition was 0.30, 0.23%. Two reddish brown garnets contained SiO₂ 34.80, 35.37; Al₂O₃ 0.85, 2.31; Fe₂O₃ 30.33, 28.22; MnO 2.95, 4.04; CaO 30.29, 29.31; MgO 0.16, 0; and FeO 0.40, 0.42%; loss on ignition was 0.32, 0.28%. The formulae agreed with the general garnet formula 3SiO₃ R¹(O) 3R²(O).

↑ Increase of content of Mn seemed to influence the color of the garnets; brown and reddish brown garnets were higher in Mn. B. S. de Finckly

ASH S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

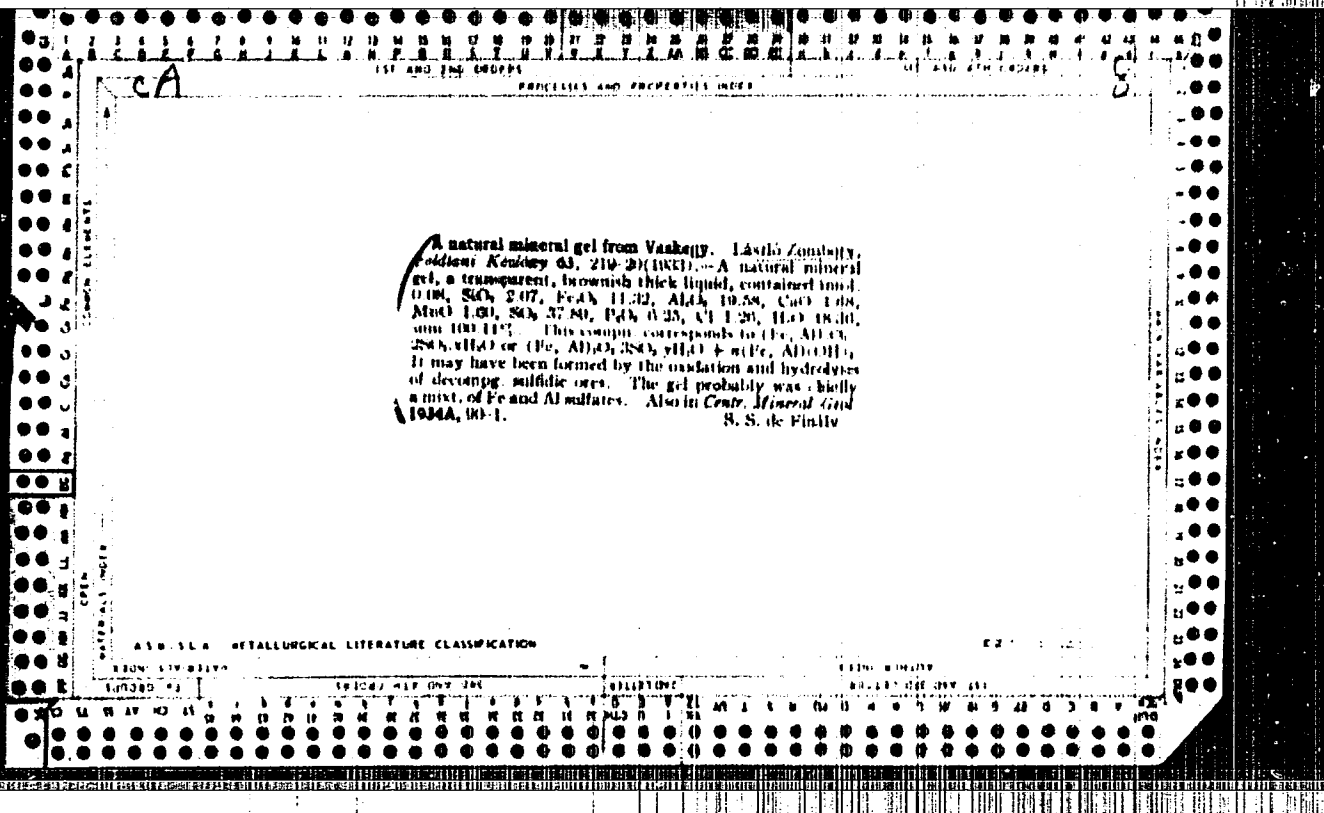
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 117 AND 700 (S) (S)

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NEWER HUNGARIAN OCCURRENCES OF SIDERITE AND MAGNETITE. *Sladov Koch and László Zombory. Pálfiúti Közlemények 64, 161-2(1964).*—As siderite from Balib-patak gave d_4^20 2.877; CaO 27.97, MnO 3.67, FeO 18.73, MgO 9.10, CO₂ 43.28, sum 100.75%, corresponding to $\text{MgCaCO}_3 \cdot \text{MnCO}_3 \cdot 4\text{FeCO}_3 \cdot 3\text{MgCO}_3$. Cryst. magnetite from Ráthozsáda gave d_4^20 3.031; insol. matter 0.07, MgO 44.46, CaO 0.85, FeO 2.87, MnO 0.37, CO₂ 51.61, sum 100.25%, or $1.000(\text{MgO}, \text{CaO}, \text{FeO}, \text{MnO}) : 1.000\text{CO}_2$. Magnetite from Újboldok consisted of insol. matter 1.20, MgO 45.21, CaO 0.18, FeO 2.34, MnO traces, CO₂ 50.82, sum 99.75%; d_4^20 2.998. Calcg. without insol. matter from the above data gives the formula $1.000(\text{MgO}, \text{CaO}, \text{FeO}) : 1.000\text{CO}_2$. S. S. de Pinkly.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

13000 51000 52000 53000 54000 55000 56000 57000 58000 59000 60000 61000 62000 63000 64000 65000 66000 67000 68000 69000 70000 71000 72000 73000 74000 75000 76000 77000 78000 79000 80000 81000 82000 83000 84000 85000 86000 87000 88000 89000 90000 91000 92000 93000 94000 95000 96000 97000 98000 99000



117 AND 7ND (2018) PROCESSES AND PROPERTIES INDEX 185 AND 4TH (2028)

ca

A natural mineral gel from Vashogy. László Komlósy. *Földtan Kutatás* 63, 219-20(1961).—A natural mineral gel, a transparent, brownish thick liquid, contained insol. 0.08, SiO₂ 2.07, Fe₂O₃ 11.32, Al₂O₃ 10.54, CaO 1.04, MnO 1.00, SO₃ 37.30, P₂O₅ 0.25, Cl 1.20, H₂O 18.36, sum 100.11%. This compn. corresponds to (Fe, Al)₂O₃ · 2SiO₂ · xH₂O or (Fe, Al)₂O₃ · 3SiO₂ · yH₂O + z(H₂O). It may have been formed by the oxidation and hydrolysis of decomp. sulfidic ores. The gel probably was chiefly a mixt. of Fe and Al sulfates. Also in *Centr. Mineral. Geol.* 1934A, 90-1. S. S. de Fintily

COMMON ELEMENTS

COMMON VARIABLE

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

140000 #1

143000 #10

144000 #11

145000 #12

146000 #13

147000 #14

148000 #15

149000 #16

150000 #17

151000 #18

152000 #19

153000 #20

154000 #21

155000 #22

156000 #23

157000 #24

158000 #25

159000 #26

160000 #27

161000 #28

162000 #29

163000 #30

164000 #31

165000 #32

166000 #33

167000 #34

168000 #35

169000 #36

170000 #37

171000 #38

172000 #39

173000 #40

174000 #41

175000 #42

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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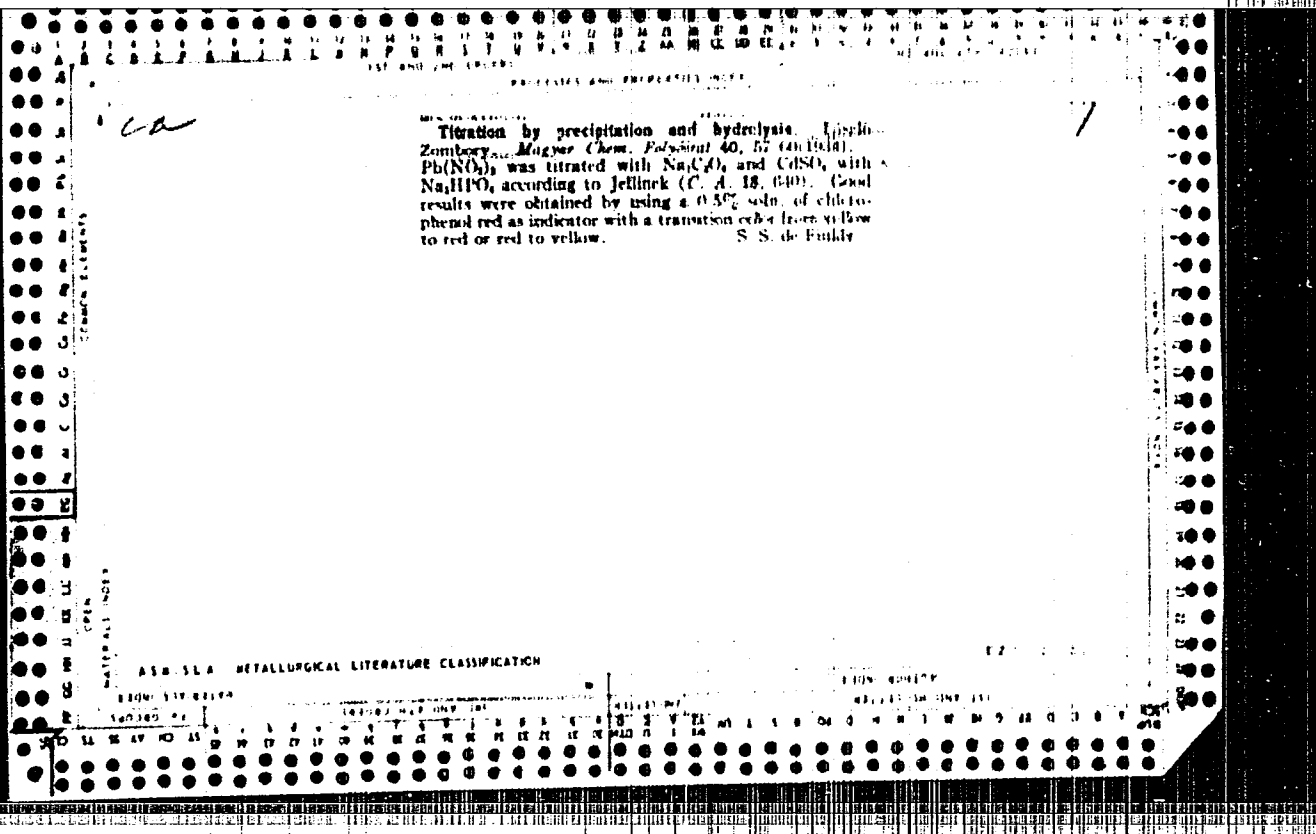
PROCESSED AND REPRODUCTION NOTES

ca 7

Microdetermination of gold in alloys. László Zombory. *Magyar Chem. Folyóirat* 43, 101-111 (1937). Good results were obtained by the micromethod of Denau (C. A. 29, 5381) in the analysis of valuable archeological alloys. G. R. de Fényi

ATM-518 METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



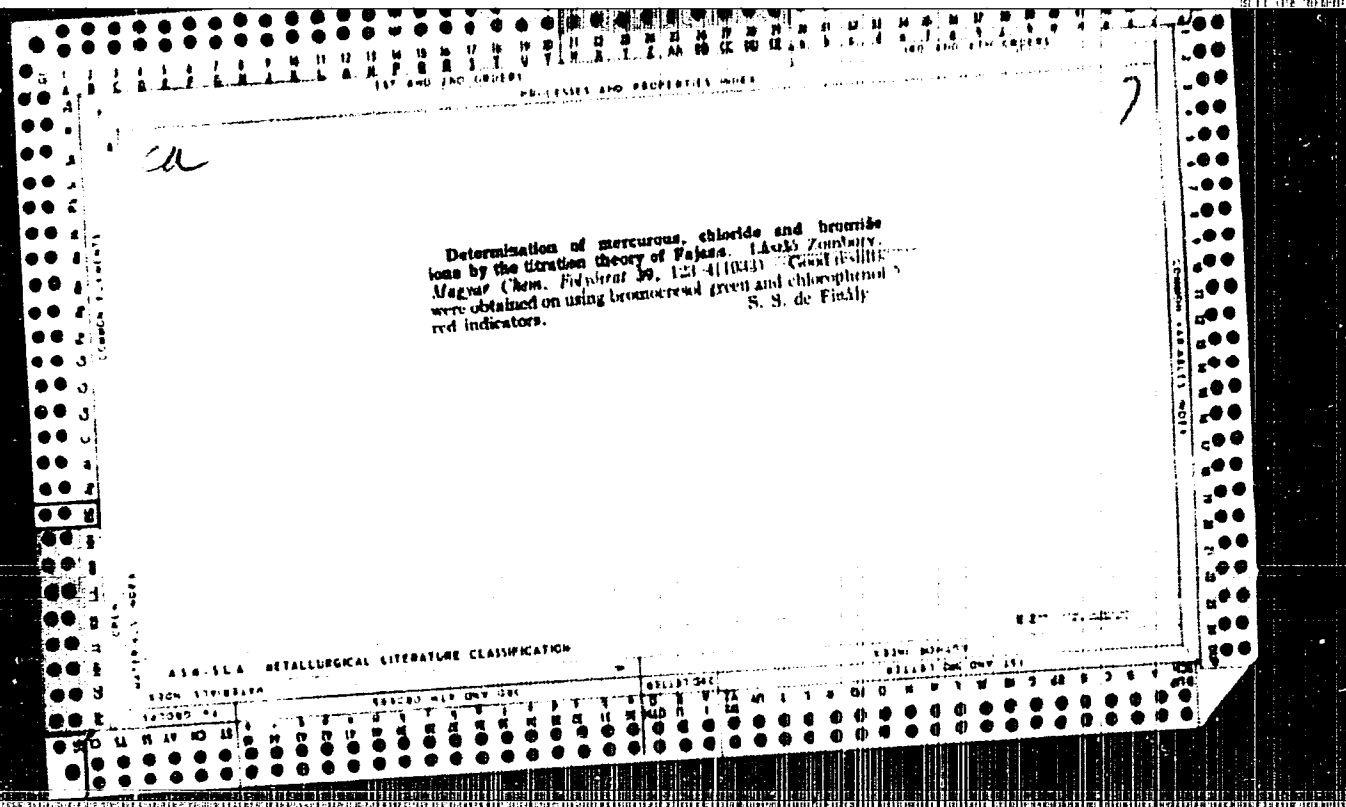
PROPERTIES AND PROPERTIES INDEX

7

Volometric determinations of sulfates with sodium rhodizonate as an indicator. *Likabó de Fombia. Magyar Chem. Folyóirat.* 41, 189 (1935). Sulfate ions were treated with an excess of 0.5 N BaCl₂ soln. after previously adding 0.3 cc. 10% HCl. Then 10 drops of a soln. of 15 mg. of Na rhodizonate in 5 cc. H₂O was added and the soln. was titrated with 0.2 N K₂SO₄ to the disappearance of the red color. The values obtained were not influenced much by the presence of K, Li, NH₄, Mg, Zn, Cd, Mn or Cu sulfates. Ni and Co ions made it difficult to det. the end point. S. B. de Fombia

A.S.D. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

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Met. Abstracts

11

*The Determination of Hydrogen in Aluminum. *Elemei*
[Papp, László Zombory, and Adrián Antónescu (Aluminum
(Budapest), 1961, 3, (7), 140-153; (8), 179-182)] (In
Hungarian). After referring to published literature, the
authors describe a new process. The Al is vacuum melted,
and the resultant gases carried by a stream of purified N₂
through a "hot-wire" apparatus in which the difference in
thermal conductivity of the gases is measured and the gas
contents thus analyzed. The vol. of H₂ was found to be c the
reading recorded on the instrument, and satisfactory results
were obtained. 24 ref. I. S. M.

ZABLOCKA, Irena; ZOMER, Jadwiga, Bialystok.

Melanoma of the stomach. Przegl.lek. Krakow 11 no.9:262-264 1955.

1. Z II Kliniki Chorob Wewnetrznych A M w Bialym. stoku. Kierownik: Prof.dr med. J.Chlebowski; i z Zakladu Anatomii Patologicznej A M w Bialymstoku. Kierownik: Doc.dr med. L. Komczynski.

(STOMACH, neoplasms
melanoma, differ.diag.)

(MELANOMA,
stomach, differ. diag.)

ZOMI, Lajos

Voluntary work for 173 days. Magy vasut 8 no.7:2 3 Ap '64.

ZOMMER, I.E., kand.geol.--mineral.nauk; GAYHANOV, A.G., inzh.

Gravimetric operations in Antarctica. Inform. biul. Sov. antark.
eksp. no.19:39-42 '60. (MIRA 13:9)

1. Moskovskiy gosudarstvennyy universitet.
(Antarctic regions--Gravity)

ZOMMER, I.E.; GAYNANOV, A.G.

Method and results of gravity determinations in teh Antarctica.
Mor.grav.issl. no.1:63-68 '61. (MIRA 15:12)
(Antarctic regions--Gravimetry)

DZIERKACZ, Maria; ZOMMER, Sabina

Calorimetric determination of hydrochloride diethylaminoethyl ester acetylsalicylic acid (Edan). *Farmacja Pol* 19 no. 23/24: 507-508 23 D '63.

1. Katedra Chemii Nieorganicznej i Analitycznej, Akademia Medyczna, Lodz. prof. dr T. Lipiec.

*

ZOMMER, YE. F.

PETRICHENKO, V.K.; ZOMMER, Ye.F., inzhener, retsenzent; STOROZHEV, A.M.,
redaktor; POLOVA, S.M., tekhnicheskiiy redaktor

[Antifriction materials and sliding bearings; reference manual]
Antifriktsionnye materialy i podshipniki skol'shenia. Spravochnik.
Moskva, Gos. nauch.-tekhn. izd-vo mashinostroit. i sudostroit.
lit-ry, 1954. 383 p. (MIRA 7:10)
(Friction) (Bearings (Machinery))

ZOMMER, E. F.

PHASE I BOOK EXPLOITATION 30V/5055

Vesoyunaya konferentsiya po teme "Izmeneniya i iznos v mashinakh". 30, 1958.

Gidrodinamicheskaya teoriya mazaki. Oprey skol'zheniya. Seazka i smazochnyye materialy (Hydrodynamic Theory of Lubrication, Slip Bearings. Lubrication and Lubricant Materials) Moscow, Izd-vo AN SSSR, 422 P. Errata slip inserted. 3,500 copies printed. (Series: Ita: Trudy, v. 3)

Sponsoring Agency: Akademiya nauk SSSR, Institut mashinovedeniya. Resp. Eds. for the Section Hydrodynamic Theory of Lubrication and Slip Bearings: A. K. Pavlov, Professor, Doctor of Technical Sciences; M. K. Pavlov, Professor, Doctor of Technical Sciences; Ed. P. Ed. for the Section Lubrication and Lubricant Materials: G. V. Vinogradov, Professor, Doctor of Chemical Sciences; Ed. of Publishing House: M. Ya. Klebanov; Tech. Ed.: O. M. Gus'kova.

PURPOSE: This collection of articles is intended for practicing engineers and research scientists.

COVERAGE: The collection, published by the Institut mashinovedeniya AN SSSR (Institute of Science of Machines, Academy of Sciences USSR) contains papers presented at the III Vesoyunaya konferentsiya po teme "Izmeneniya i iznos v mashinakh" (Third All-Union Conference on Friction and Wear in Machines) which was held April 9-15, 1958. Problems discussed were in Hydrodynamic Theory (Cont.) 30V/5055

Zolotarev, Ye. V. Increase of the Load-Carrying Capacity of Thrust Bearings Operating at High Sliding Speeds 128

Tyabin, M. V. Rheodynamic Theory of Viscous-Plastic Lubrication 134

Ramenskikh, M. G. On the Problem of the Design of Sliding Thrust Bearings 146

Shklyar, L. A., and M. V. Tyabin. Outline of Lubricant Materials Through Lubrication Tests 154

Reports Printed in Other Publications

Zommer, E. F. On the Problem of Using Fluid-Friction Bearings in Rolling Mills Operating with Frequent Reverses and Shock Loads (Published under the title: "Investigation of the State of the Journal in a 120-Degree Fluid-Friction Bearing for Constant Loads and Loads with Varying Sign") (Ser. "Izvestiya i iznos v mashinakh", t. XIII, Izd-vo AN SSSR, 1959) 164

Kanay, I. F. New Approximate Method for Calculating Thrust Bearings (Published under the title: "Vertical-Axis Bearings for Hydrogenerators. Theory and Calculations") (Izv. Central'nogo byuro tekhnicheskoy informatsii XII elektropromyshlennosti) 164

Kaplan, M. Ya. Thrust Bearing for Superpower Turbines ("Vestn. mashinostroyeniya", No. 7, 1959) 164

Klyaman, L. I. Use of Segmented Bearings for Horizontal Electric Machines at the "Elektrosila" Plant (Inst. S. M. Kirov) (Published at the "Elektrosila" Plant) 164

Smolin, I. A. Development of the Hydrodynamic Theory of Lubrication of Thrust Bearings (Published in 1957 under the title: "On the Hydrodynamic Theory of Lubrication of a Bearing" ("Izv. Vest. fil. AN SSSR", No. 4-5, 1957), and in 1959 under the title: "Two-Dimensional Problems of the Hydrodynamic Theory of Lubrication Taking into Account the Dependence of the Viscosity on the Temperature") (Izv. AN SSSR, No. 4, 1959) 164

Cont-8747

ZOMMER, E. F.

ZOMMER, E. F. --"Application of the Hydrodynamic Theory of Lubrication in the Calculation of Bearings for Rolling Mills." *(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Min of Heavy Machine Construction USSR, Central Sci Res Inst of Technology and Machine Construction (TsNIITMash), Moscow, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 55

* For Degree of Candidate in Technical Sciences

ZOMMER, E.F.
25(2)

PHASE I BOOK EXPLOITATION SOV/1403

Al'shits, Isaak Yakovlevich, Nikolay Fedorovich Varzhbitskiy, and
Eduard Feliksovich Zommer

Opory skol'zheniya (Plain Bearings) Kiyev, Mashgiz, 1958. 195 p.
(Series: Biblioteka konstruktora) 10,000 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo mashinostroitel'-
noy promyshlennosti. Kiyevskaya oblastnaya organizatsiya.

Reviewer: Radchik, V.S., Candidate of Technical Sciences; Chief Ed.
(Southern Division, Mashgiz): Serdyuk, V.K.; Eds.: Kukibnyy, A.A.,
Candidate of Technical Sciences, and Leuta, V.I., Engineer.

PURPOSE: This book is intended for designers in the machine-building
field.

COVERAGE: The book presents information on types of friction occurring
in plain bearings and describes materials (metallic and nonmetallic)
used in the design of bearings. Typical bearing mountings, the prin-
cipal parts of bearings, and lubricating methods are discussed. Ex-
amples are given of the use and methods of design of fluid-friction
Card 1/5

Plain Bearings

SOV/1403

plain bearings. The book was written on the basis of the experience and scientific research work done by TsNIITMASH (Central Scientific Research Institute of Technology and Machinery) and Soviet and foreign data on this subject published in the recent years. Chapters I,II,III,V,VI and VII and the paragraphs "nonmetals" p. 98, Ch. IV and "Thrust bearing design" p. 184, Ch. VIII were written by I.Ya. Al'shits, Candidate of Technical Sciences, Ch. IV. by N.F. Verzhbitskiy, Candidate of Technical Sciences, and Ch. VIII by E.F. Zommer, Candidate of Technical Sciences. No personalities are mentioned. There are 37 references, all Soviet.

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AVAILABLE: Library of Congress

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5-5-59

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EYKOVA, A.V., kand. tekhn. nauk; ZOMER, E.F., kand. tekhn. nauk;
KHROMOV, V.Ye., inzh.; RUDAYA, Ye.I., staryiy tekhnik

Investigating the possibility of using wear-resistant chromium
plating in worm-gear transmissions. Trudy TSNIITMASH 92:210-223
'59. (MIRA 12:8)

(Chromium plating) (Gearing, Worm)

ZUMMER, E.F.

25(2):18(7) : WASH I BOOK EXPLOITATION SOV/2426
 Akademiya nauk SSSR, Institut mashinovedeniya
 Treniye i iznos v mashinakh: sbornik 13 (Friction and Wear in Machinery: Collection 13) Moscow, Izd-vo AN SSSR, 1959. 266 p. U.S. \$4.50. 3,700 copies printed.
 Resp. Ed.: M.M. Kiruchov, Doctor of Technical Sciences, Professor; Ed. of Publishing House: M.A. Babichev; Tech. Editor: Z.V. Polyakova; Editorial Board: Ye.M. Gut'yar, Doctor of Technical Sciences, Professor; A.K. Dyachenko, Doctor of Technical Sciences, Professor; I.V. Kravtsov, Candidate of Technical Sciences, Professor; A.M. Kuznetsov, Candidate of Technical Sciences; L. St. Zhukovskiy, Candidate of Technical Sciences; and M.M. Krubichov, Doctor of Technical Sciences, Professor.

PURPOSE: The collection is intended for engineers, scientific research workers, and students working in the field of friction and wear in machinery.

COVERAGE: This collection of articles consists of excerpts from dissertations. Included are excerpts from the dissertations of Aspirants A.A. Soroko-Novitskiy, V.V. Marochkin, and L.B. Khrisanova of the Institut mashinovedeniya AN SSSR (Institute of Machine Construction, Academy of Sciences, USSR). The articles deal with the wear resistance of carbon steels, wear of pistons in fuel pumps, wear from faulty lubrication, wear and tear from the lubrication of sliding contact surfaces with oil-film sensors, plastic deformation of surfaces with fluid friction, and pressures in thin oil films. Extensive bibliographies on friction, wear, and lubrication, compiled from Soviet and non-Soviet publications in 1945 (Supplement) and 1956, are presented. References follow several of the articles.

6. **Marochkin V.V.** Limiting Plastic State at Yielding and Compression of the Friction of a Doubly Asymmetrical State of Investigation of the Friction of a Doubly Asymmetrical State of a Plastic Medium (stimulated by the friction of a cone) which is in a fully plastic state in the contact zone. Solution of the axially symmetrical-contact problem of the theory of plasticity is used as the basis of the study. The shortening of the friction and the depth of its penetration with consideration of friction on the contact surface are determined, as well as the distribution of normal pressures and the hardening of the material along the contact zone.

7. **Zimmer E.F.** Investigation of the Position of the Journal in the Running of a 120-degree Fluid Friction Bearing at Constant and Alternating Load. Investigation was made. The characteristics of the bearing were determined on a special testing machine with a bearing 60mm in diameter and 10mm long. The thickness of the lubricating film was determined by a variable-capacity transducer built into the journal.

8. **Konvisarov D.V.** Measurement of Pressures in the Oil Film of a Sliding Contact Bearing. Measurements were made with a semiconductor transducer. The work was done under the supervision of Professor A.K. Dyachenko, who in 1952 originated the concept of using semiconductor for such measurements.

9. **Khrisanova L.B.** Analytical and Experimental Investigation of Pressure in the Oil Film of a Bearing With Crossed Axes of Shaft and Bush. The mutual inclination of the axes of the shaft and bush on the capacity of the bearing is discussed. The pressures were measured by the method described in the preceding paper. A general method for calculating the capacity of bearings for various film thicknesses and arbitrary boundary shapes of the pressure zone is presented.

10. **[Gobyanski D.F., and V.S. Gashukov, Docents, Candidates of Technical Sciences, Machine Parts Department, Institute of Machine Construction]** In Memory of D.V. Konvisarov 214 Bibliography of the works of D.V. Konvisarov

11. Bibliography of Soviet and Non-Soviet Works on Friction, Wear and Lubrication, Published in 1955 (Supplement to Bibliography Published in Collection XII) [Compiled by Ye. O. Vlodavtsov] 219

12. Bibliography of Soviet and Non-Soviet Works on Friction, Wear, and Lubrication, Published in 1956 [Compiled by Ye. O. Vlodavtsov] 242

ZOMMER, H.F.

Investigating the position of bush pin of a 120-degree liquid-
friction bearing subjected to constant and alternating loads.
Transmission, no. 13:136-188 '59. (MIRA 12:10)
(Bearings (Machinery))

ZOMMER, E.F., kand.tekhn.nauk

Durable chromium plating of worm gears. Vest.mash. 38 no.9:
54-56 S 158. (MIRA 11:10)
(Chromium plating) (Gearing, Worm)

S/122/61/000/010/004/011
D221/D304

AUTHORS: Zommer, E.F., and Sagin, L.I., Candidates of Technical Sciences

TITLE: On the use of wear resistant chromium plating in globoidal worm transmissions

PERIODICAL: Vestnik mashinostroyeniya, no. 10, 1961, 29 - 32

TEXT: In 1954, E.F. Zommer at TsNIITMASH proposed the application of ferrous worm transmissions with chromium plating of the worm in combination with either cast iron or steel wheel. This was experimentally verified. Worm wheels were made of grey cast iron, G4 (SCh) 18-36, with a hardness of HB 100-140. In small transmissions steel Cr. 3 (ST. 3) or 45 were employed. For comparison, similar units with worm and wheel made of Sp. AM9-4 (Br. AZh 9-4) bronze were used. Oil 52 (Banop) (Vapor) served as lubricant. The experiments demonstrated that the prototypes equalled the conventional units, and main parameters for their chromium plating were established. The examination of globoidal sets at TsNIITMASH in 1959

Card 1/4
3

On the use of wear resistant ...

S/122/61/000/010/004/011
D222/D304

concerned chromium plated single start worms. Special attention was devoted to producing uniform thickness of deposits on the thread, and fixture shown in Fig. 1 was employed for this purpose. The worm was machined with a tool displaced from its axis, as suggested by L.I. Sagin, whereas the wheel was made by a hob that differed from the worm. One wheel examined was of grey cast iron, HB 143-149, the other had a hardness of HB 120. The first pair was subjected to step increases of load, without harmful effects. The second pair operated at a lower speed in order to check whether this would result in higher capacity. Reversal of rotation permitted an increase of power. From these experiments it is possible to conclude that the operational qualities of transmissions with wheels of various hardness (within the limits placed in the experiments) are approximately the same. The experiments had an explanatory character only, and did not reveal the maximum operational qualities of the globoidal transmissions, or optimum kind of cast iron, lubrication or other data. However, they allow one to deduce that wear resistant chromium is not difficult to apply with special fixtures. It also proves that these units can work with equal capacity to a

Card 2/4

On the use of wear resistant ...

S/122/61/000/010/004/011
D221/D304

pair of steel worms - high content tin bronze. The deposit is firm, and the only load limiting element seems to be the cast iron wheel. Proper selection of the latter should be investigated. Its life is as long as the service of conventional units, in accordance with available data. An example is cited of a reducer working at Nezhin. There are 3 figures and 2 Soviet-bloc references.



Card 3/4
3

ZOMER, E.F., kand.tekhn.nauk; SAGIN, L.I., kand.tekhn.nauk

Using wear-resistant chromium plating for globoid worm gears. Vest.
mash. 41 no.10:29-32 0 '61. (MIRA 14:10)
(Chromium plating)

10261
S/035/62/000/003/044/053
A001/A101

12,2000

AUTHORS: Zommer, I. E., Gaynanov, A. G.

TITLE: Methods and results of gravity determinations in the Antarctic

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 3, 1962, 31,
abstract 30217 (V sb. "Morsk. gravimetr. issledovaniya", no. 1,
Moscow, Mosk. un-t, 1961, 63-68)

TEXT: An expedition of MGU measured gravity force during a voyage of the Diesel electric-driven ship "Lena" (February - April 1957) along the Antarctic coast in four sites of landing through 500 - 700 km, west of the Mirnyy settlement; a four-pendulum instrument designed by GAISH with bronze pendulums was used. The stations of pendulum observations were used as starting ones for survey with a ГAK-3M (GAK-3M) gravimeter transported by An-2 (AN-2) aircraft (5 flights) and a helicopter (1 flight). Pendulum determinations of gravity are estimated by the mean square error of ± 2.0 mgal. Gravity anomalies determined with a gravimeter at stations located on pack ice are estimated by errors of ± 3.2 mgal and at stations located on continental glaciers - by errors of $\pm 10 - 15$ mgal. In the latter case the accuracy of anomalies is limited by errors in

Card 1/2

Methods and results of gravity determinations ...

S/035/62/000/003/044/053
A001/A101

determinations of coordinates ($\pm 3 - 5$ km) and errors in determining heights ($\pm 30 - 40$ m) from aircraft altimeter. Characteristic features of gravimetric determinations with pendulums and gravimeters are described which are inherent to conditions of large diurnal temperature variations (up to $30 - 40^{\circ}\text{C}$) and movements of the Antarctic ice cover. The table of physical properties (density and coefficient of magnetic susceptibility) is presented for 10 specimens of antarctic rocks. Based on the character of the gravitational field, the authors note considerable deflections of perpendicular. They point out the expediency of using the gravimetric method for determinations of ice cover thickness over original rocks of the continent.

P. Shokin

[Abstracter's note: Complete translation]

Card 2/2

S/169/62/000/004/014/103
D228/D302

AUTHORS: Zommer, I. E. and Gaynanov, A. G.

TITLE: Methods and results of gravity determinations in Antarctica

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1962, 19, abstract 4A143 (V sb. Morsk. gravimetr. issledovaniya, no. 1, M., Mosk. un-t, 1961, 63-68)

TEXT: Gravity measurements with a four-pendulum instrument, of the ГАИЛ (GAISH) design with bronze pendulums, were carried out along the coast of Antarctica. The pendulum observation points were used as the original ones for a survey with ГАК-3М (GAK-3M) gravimeter, transported in an АН-2 (AN-2) aircraft and a helicopter. The pendulum gravity determinations are estimated to have a mean square error of ± 2.0 milligals. The gravity anomalies, defined by gravimeter at points located on the pack ice, are estimated to have an error of ± 3.2 milligals; the error at points, situated on the land ice, is from ± 10 to ± 15 milligals. The characteristic peculiari-

Card 1/2

Methods and results ...

S/169/62/000/004/014/103
D228/D301

ties of gravimetric determinations, made with pendulums and gravimeters under conditions of large diurnal temperature changes (up to 30 - 40°C) and ice-sheet movements of Antarctica, are described. ✓
A table is given for the physical properties (density and coefficient of magnetic susceptibility) of 10 Antarctic rock specimens. —
On the grounds of the gravity field's character the authors note the considerable deviations of the plumb-line. They point out that it is expedient to use the gravimetric method for determining the thickness of the ice-sheet over the continental bedrocks. [Abstracter's note: Complete translation.]

Card 2/2

ZOMMER, I.E.; AKHMETZHANOV, Kh.S.

Taking into account the effect of relief in gravimetric surveying.
Geofiz.razved. no.7:56-61 '62. (MIRA 15:7)
(Gravity prospecting)

ZOMMER, Sabina; LIPIEC, Tadeusz

Determination of isonicotinic acid hydrazide in various substances and tablets with Cu^{2+} ions in the presence of acetone. Acta pol. pharm. 20 no.3:229-232 '63.

1. Z Katedry Chemii Nieorganicznej i Analitycznej Akademii Medycznej w Łodzi. Kierownik: prof. dr T. Lipiec.

(ISONIAZID) (CHEMISTRY, PHARMACEUTICAL)

(INDICATORS AND REAGENTS) (COPPER)

(ACETONE) (TABLETS)

ZOMMER, V.P.; SAVEL'YEV, A.Ye.; PROKOP'YEV, A.I.

Instant fission gamma-quanta. Atom. energ. 19 no.2:116-119
Ag '65. (MIRA 1869)

L 11061-65 EWT(m)/Y/EHL(m)-2 AFML/SCD/ESI(ga)/ESD(s)

ACCESSION NR: AF4046423

4/0016 '61 '047/003/1041/3042

ATTACHED: Bar, A. I.; Zouhar, V. P.

8

10

pectrum

SECRETION

Card

1/2

REF ID: A522202
 01/0039/05/019/002/0116/0119
 539.173.4:539.166.2
 AUTHOR: Zommer, V. P.; Savel'yev, A. Ye.; Prokof'yev, A. I.

TITLE: Prompt fission gamma quanta

SOURCE: Atomnaya energiya, v. 19, no. 2, 1965, 116-119

TOPIC TAGS: gamma ray, gamma spectrum, Fission product

ABSTRACT: The existing disagreement between the theoretical and experimental data on the total energy of prompt gamma rays was investigated. The spectrum of prompt gamma rays produced in fission of V-235 by thermal neutrons was calculated using the neutron evaporation theory. The calculated spectrum, in its general shape, is similar to that obtained experimentally. However, the calculated total energy of emitted gamma rays of about 6.2 Mev is considerably lower than the experimental data of 8 to 9 Mev. A conclusion was drawn that this inconsistency can be eliminated when allowance is made for the considerable number of fragments which remain at low excitation energy levels (0 to 2 Mev) as a result of a cascade evaporation of neutrons. Orig. art. has: 2 graphs and 9 formulas.

ASSOCIATION: none

SUBMITTED: 20Jul64

ENCL: 00

SUB CODE: RF

NO REF SOV: 004

OTHER: 012

Card 1/1 *Del*

ZOMMER, Yu.

Yenisey River navigation workers are fulfilling their
pledges. Rech. transp. 20 no.10:47 0 '61. (MIRA 14:9)

1. Nachal'nik Teniseyskogo basseynovogo upravleniya puti.
(Yenisey River--Inland water transportation--Employees)