

JASIOROWSKI, Henryk

The 5th International Congress of Nutrition Sciences in Washington
[D.C.], September 1-7, 1960. Postepy nauk roln 8 no.3:147-150
My-Je '61.

JASIOROWSKI, H.; JASIOROWSKA, P.; KLECZKOWSKI, K.

Comparison of protease activity in meadow, alfalfa and clover
hays in the course of storage. Bul Ac Pol biel 9 no.10:417-421
'61.

1. Institute of Experimental Animal Breeding, Polish Academy of
Sciences. Presented by T. Marchlewski.

JASIOROWSKI, Henryk

Professor dr. Zbifniew Kaminski. Kosmos Biologia 11 no.2:
145-146 '62,

JASIOROWSKI, Henryk, doc. dr H. Jasiorowski; ZECULA, Maria

Effect of added molasses and baker's yeast to the fodder on the utilization of protein of alfalfa fed to ruminants. Zesz probl post nauk roln no.41:81-88 '63.

1. Zaklad Hodowli Doswiadczalnej Zwierzat, Polska Akademia Nauk, Warszawa. Kierownik: doc. dr H. Jasiorowski.

ZABORCZSKI, Henryk, doc. dr

Productiveness and origin of cows and the level of urea in their milk. Zesz probl post nauk roln no.41:89-92 '63.

1. Kierownik Zakładu Hodowli Poswiadczonej Zwierzat, Polska Akademia Nauk, Warszawa.

JANICOWSKI, Henryk

Further studies on methods of decreasing the NH_3 level in the rumen of sheep fed with alfalfa hay. 1964. Probl. post. nauk roln. no. 54/57-101 '64.

1. Institute of Experimental Animal Breeding of the Polish Academy of Sciences.

JASINSKI, J.

Centennial of Feliks Jasinski's birth.

p. 388 (Przegląd Techniczny. Vol. 77, no. 9, Sept. 1956. Warszawa, Poland)

Monthly Index of East European Accessions (MEMI) LC. Vol. 7, no. 2,
February 1958

JASIUK, Jerzy

Opening of the Museum of the Ancient Polish Industry Basin.
Kwart hist nauki i tech 7 no.4:587-589 '62.

JASIUK, Jerzy

"Bibliography of the history of Czech and Slovzk mining"
by Svatova Steinerova and collective. Reviewed by Jerzy
Jasiuk. Kwart hist nauki i tech 8 no.2:286-287 '63.

JASIUK, Jerzy

Three hundred years of Officina Ferraria. Kwart hist nauki i tech 8 no.2:329 '63.

Exhibition on the occasion of the 10th anniversary of the Czechoslovak Academy of Sciences. Kwart hist nauki i tech 8 no.2:332 '63.

JASIUK, Jerzy

Chronicles of factories. Kwart hist nauki i tech 8 no.3:452
'63.

JASIUK, Jerzy

Seminar on the industrial revolution in the Czech and
Slovak metallurgy. Kwart hist nauki i tech 9 no. 1:
160--161 '64.

JASUK, Włodzimir, Inz.

Construction and application of size presses. Przegł papier
21 no.2:40-43 F 165.

1. Paper Machine Factory, Cieplice.

MANGERON, D.; JASIULIONIS, A.; MATEESCU, Liliana

New matrix methods for studying mechanisms and machines. Pt. 1.
Rev mec appl 9 no.4:869-881 '64.

1. Polytechnic Institute, Iasi (for Mangeron). 2. Lithuanian
Academy of Agricultural Sciences (for Jasiulionis). 3. "Al. I.
Cuza" University, Iasi (for Mateescu).

JASKIEWICZ, Aleksander, doc.

Modern organization of automobile production. Przegł techn 31
no.9:19-22 '60.

MANGERON, D.; JASIULIONIS, A.; MATEASCU, Liliana

New matrix methods in the study of mechanisms and machines. Pt.1.
Studia cerec mec upl 16 no.4:861-863 1964.

1. Polytechnic Institute, Iasi (for Mangeron). 2. Academy of Agricultural
Sciences for the Lithuanian S.S.R. (for Jasiulionis). 3. "I.I. Cuza"
University, Iasi (for Mateasca).

1. Introduction,

"Observation of Growth by Means of Metal Forming", p. 16, (1955),
Vol. 10, No. 1, Feb. 1955, Warsaw, Poland)

2. Monthly List of East European Journals, (), 1955, Vol. 1, No. 1,
May 1955, Poland.

JASKIEWICZ, A.

Magnetic defectoscopy. p. 202.

Vol 10, no. 7, July 1955. MOTORYZACJA. Warsaw, Poland.

So: Eastern European Accession. Vol 5, no. 4, April 1956

34252
POLAND/Electricity - Dielectrics

G-2

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 13452

Author : Jaskiewicz Arkadiusz
Inst : P. Bierut University, Wroclaw, Poland
Title : Domain Formation in Ferroelectrics

Orig Pub : Acta phys. polon., 1957, 16, No 3, 227-229

Abstract : A theoretical study was made of the influence of the electric field E on the formation of c-domains of barium titanate. The change in the free energy, connected with the formation of the nuclei in ferroelectrics, is made up of the surface energy, the volume energy, the interaction energy of the polarized dielectric with a field E, and the depolarization energy. By way of the parameter the author assumes a spontaneous polarization T_s and proposes that the nuclei have the shape of a cone with generatrix l_k and radius of base r. It is assumed that all nuclei, whose dimensions are greater than critical, are stable. For the critical dimensions r_k and l_k in the absence of E, the following expressions are obtained:

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POLAND/Electricity - Dielectrics

G-2

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 13452

$$r_k = 3 \sqrt{\frac{\sigma}{\gamma^2 \epsilon_0}}; \quad l_k = \frac{5}{2} \sqrt{\frac{\sigma}{\gamma^2 \epsilon_0}}$$

where σ is the density of the surface energy and γ depends on the shape of the nucleus and on the depolarization factor. In the presence of E we get

$$r_k = \frac{3}{\sqrt{\epsilon_0}} \sqrt{\frac{\sigma}{\gamma^2 \pm E}}; \quad l_k = \frac{5}{2} \sqrt{\frac{\sigma}{\gamma^2 \pm E}}$$

where the signs + and - pertain to the domains whose polarization is parallel and anti-parallel to E respectively. It is concluded that the expressions obtained are successively applicable for the study of the formation of domains in connection with experiments described in the works by Piekara and Pajak (Referat Zhur Fizika, 1954, No 11, 13253).

Card : 2/2

34252, JASKIEWICZ

JASKIEWICZ, A.; KONWENT, H.

Dipole array of ferroelectrically active A-ions in ABO_3 -substances.
Bul Ac Pol mat Φ no.7:553-556 '61.

1. Institute of Experimental physics, University, Wroclaw, and
Institute of Theoretical Physics, University, Wroclaw.
Presented by W. Rubinowicz.

23023

P/045/61/020/004/001/004
B133/B205

24,7100

AUTHORS: Jaškiewicz, A., Konwent, H.

TITLE: Dipole arrangement in perovskite-type ferroelectrics

PERIODICAL: Acta Physica Polonica, v. 20, no. 4, 1961, 281-288

TEXT: The authors were concerned with the ferroelectric behavior of crystals having the chemical composition ABO_3 at low temperatures. In this formula, A indicates mono- or divalent metal, and B a tetra- or pentavalent one. According to Venevcev and Zhdanov (Venevcev, Yu. N. and Zhdanov, G. S., Izv. Akad. Nauk SSSR, Ser. fiz., 20, 178 (1956)); both A and B may give rise to ferroelectricity as a result of their displacement in the crystal lattice. The aim of the present paper was to investigate the case where only the B ion is ferroelectrically active. Piekara (Piekara, A., Proc. Conf. Phys. in Spała p. 268 (1954)) has shown that in cubic elementary cells (Fig. 1), there are potential barriers U between the center of the cell and the O ions of type i, O_i . As long as the temperature is higher than U/k , the B ion oscillates about the center; at lower

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Dipole arrangement in ...

α_A and α_O denote the ionic polarizabilities of the ions A and O, respectively, and p_x^{A1} is the x-component of the dipole moment induced in ion A1.

The field of the induced dipoles determines the direction in which the B ion is displaced in the neighboring elementary cells and, consequently, also the ferroelectric or antiferroelectric behavior of the crystal. In further considerations, the influence of the field is taken into account only for those cells which have a face in common with the initial cell. The total electric field at the center of cells 1 and 2 is given by

$$E_x^{(1)} = E_y^{(1)} = 0, \quad E_z = \left(256 \frac{\alpha_O}{a^3} + 2 - \frac{512}{27} \frac{\alpha_A}{a^3} \right) \frac{m_z}{a^3}. \quad (9)$$

and the total electric field at the center of cells 3, 4, 5, and 6 is

$$E_x^{(3)} = E_y^{(3)} = 0, \quad E_z^{(3)} = \left(64 \frac{\alpha_O}{a^3} - 1 \right) \frac{m_z}{a^3}. \quad (13)$$

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Dipole arrangement in ...

The ions B_1 and B_2 are displaced along the z-axis (like B) if and only if $E_z^{(1)} > 0$, and the ions B_3 - B_5 if $E_z^{(3)} > 0$. If both these conditions are fulfilled, all dipoles will have the same orientation as the original one, whereas in the other three cases the crystal will be antiferroelectric. Since the polarizability of the oxygen ion for ABO_3 substances is known, the conditions that must be fulfilled for the substance to be in the ferroelectric state can be easily derived from Eqs. (9) and (13):

$$\alpha_A < 48.4 \times 10^{-24} \text{ cm}^3$$

(18),

$$a < 5.35 \times 10^{-8} \text{ cm}$$

(19). /H

These conditions can be applied to any particular ABO_3 substance. It may be anticipated that these findings will be corroborated by future investigations of substances in which also A is ferroelectrically active. The authors thank Professors R. S. Ingarden, J. Nikliborc and Professor

Card 4/5

23023

Dipole arrangement in ...

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B133/B205

J. Mazur, F. Inst. P., Head of the Low-temperature Laboratory, Institute of Physics, Polish Academy of Science. There are 3 figures and 5 references: 2 Soviet-bloc and 3 non-Soviet-bloc. The three references to English-language publications read as follows: Kinase, W., Progr. theor. Phys., 13, 529 (1955); Mason, W. P., and Matthias, B. T., Phys. Rev., 74, 1622 (1948); Slater, J. C., Phys. Rev., 78, 748 (1950). H

ASSOCIATION: Institute of Experimental Physics, Wrocław University, Wrocław; Institute of Theoretical Physics, Wrocław University, Wrocław.

SUBMITTED: September 7, 1960.

Card 5/5

JASKIEWICZ, Arkadiusz

Field induced nucleation at the phase transition in barium titanate. Acta physica Pol 22:Suppl.:165-172 '62.

1. Department of Experimental Physics, University, Wroclaw.

JASKIEWICZ, Arkadiusz; ZAKRZEWSKI, Tadeusz

Thermal processes in Vanium titanate. *Matem fizyka astronomia*
Wroclaw 3:159-165 '62.

1. Laboratory of Low Temperatures, Institute of Physics,
Polish Academy of Sciences, Wroclaw Branch.

JASKIEWICZ, A.

Ferroelectrically active A-ions in ABO_3 substances. Acta physica
Pol 21 no.5;509-521 My '62.

1. Institute of Theoretical Physics, Wroclaw University, Wroclaw.

JASKIEWICZ, A.; TERPILOWSKI, J.

Anomalous delay effect in polycrystalline $BaTiO_3$. Acta physica Pol
23 no.3:407-409 Mr '63.

1. Physical Institute, Wroclaw University, Wroclaw.

JASKIEWICZ, A.; KONWENT, H.

Dipole patterns in orthorhombic and trigonal phases of
ABO substance. Acta physica Pol 25 no. 4:543-550 Ap '64.

1. Institute of Experimental Physics, University, Wroclaw
(for Jaskiewicz). 2. Institute of Theoretical Physics,
University, Wroclaw (for Konwent).

REPORT NO. 84-1 3145-1 Pt-7 IJP(=) 3G
ACCESSION NO. AP801713 PO/0045/65-027/005/0007/0647

AUTHOR: Jaskiewicz, A

TITLE: Asymmetric hysteresis loop of a single-domain ferroelectric

SOURCE: Acta physica polonica, v. 27, no. 5, 1965, 637-647

TOPIC TAGS: ferroelectric hysteresis loop, asymmetric hysteresis loop, charged
ferroelectric domain boundary, hysteresis loop bias, antinucleation polarization
reversal

ABSTRACT: This paper shows that the antinucleation mechanism (A. Jaskiewicz, Acta
Phys. Polon., 16, 139, 1957; Phil. Mag., 6, 1957, 1961) of polarization reversal in an
antiferroelectric material is observed in hysteresis reversal in radiation-damaged, doped ferroelectric
materials. The hysteresis loop is asymmetric and the antinucleation mechanism is observed
in the hysteresis reversal. The hysteresis loop is asymmetric and the antinucleation
mechanism is observed in the hysteresis reversal. The hysteresis loop is asymmetric
and the antinucleation mechanism is observed in the hysteresis reversal.

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ACCESSION NR: AP5017138

3

tails of their origin is, for the time being, left open since these factors affect the rate of
change of the... inferred from the experimental results of W. A. Yurchak
... 1960. Considerations are...
... single domain...
... deposited in the...
... subsequent...
... investigation...
...
Information on...
ASSOCIATION: Fizyka doswiadczenia Uniwersytet Wroclawski, Wroclaw (Institute of
Physics, Wroclaw University)

SUBMITTED: 09Aug64

ENCL: 00

SUB CODE: EM

NO REF SOV: 009

OTHER: 018

010
Card 2/2

SIEKIERZYNSKI, Michal, repulooktato; JASKIEWIECZ, Jacak, repulooktato

New evaluation proposal of Polish instructors. Repules 15
no.4:17 Ap '62.

JASKIEWICZ, Janina; WICINSKI, Ryszard

Contraction function of the uterus in parturition and hemorrhages
of the 3rd period. Gin.polska 31 no.4:441-449 J1-Ag '60.

1. Z Kliniki Położnictwa i Chorob Kobietych A.M. w Białymstoku
Kierownik: prof. dr med. S.Soska
(LABOR physiol.)
(HEMORRHAGE, POSTPARTUM etiol.)

JASKIEWICZ, Z.

Calculating the strength of gear wheels of automobile driving mechanisms. Pt. 3.
p. 290.
(TECHNIKA MOTORYZACYJNA. Vol. 6, no. 9, Sept. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

JACKIEWICZ, ZBIGNIEW.

Elementy pojazdów mechanicznych; łączniki sprężyste. [Tył. 1.] Warszawa,
Poland.

Państwowe Wydawn. Techniczne, 1959. 379 p.

Monthly list of East European Accessions (DEAI) LC, Vol. 9, No. 2, Feb. 1960

Uncl.

JASKIEWICZ, Zbigniew, mgr inż.

Geometric computation of hypoid gears with Oerlikon type
epicycloidal arc teeth. Pt.1. Techn motor 13 no.9:293-301
S*63.

1. Katedra Samochodow, Politechnika, Warszawa.

JASKIEWICZ, Zbigniew, mgr inż.

Geometric computation of hypoid gears with Oerlikon type
epicycloidal arc teeth. Techn motor 13 no.10:329-339 0'63.

1. Katedra Samochodow, Politechnika, Warszawa.

GRZYWACZ, Ryszard, mgr inż.; JASKIEWICZ, Zbigniew, mgr. inż.; PYTLEWSKI,
Zdzisław, mgr inż.

Asphalt pavements of airports and their roughness. Techn
lotn 18 no.11:315-320 N°63.

JASKO, Ferenc; BAN, Gyorgyne

Up-to-date treatment of sewage water in electroplating plants. Gepgyartastechn 2 no.3:102-106 Mr '62.

1. ORION Radio es Villamossagi Vallalat.

C.A. JASKO, S

Water supply of the Agricultural Experiment Station at
Budakeszi. Sándor Jaskó (Magyar Költani Intézet,
Budapest). *Hydrog. Közletem* 30, 52-4 (1950). - The chem.
and geol. data of 3 wells are described. The water origi-
nates at a depth of 12-15 m. from sand, marl, and foramini-
ferous clay. István Finály

JASKO, S.

Bauxite deposits in the Central Mountains of Dunantul. p. 621.
(BANYASZATI LAPOK. Vol. 11, no. 10, Oct. 1956. Hungary)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

JASKO, S.

Mining-geologic description of the area of Lyukobanya and Pereces. p. 97

A MAGYAR ALLAMI FOLDTANI INTÉZET ÉVI JELENTESE. Budapest, Hungary, 1955-56
(Published 1959)

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960
Uncl.

JASKO, Sandor, dr.

Crust movements of the Pliocene period in the lignite basin of Borsod.
Foldt kozl 90 no.2:184-191 Ap-Je '60. (EKAI 10:2)
(Hungary--Lignite)

JASKO, Sandor, dr.

"Foldtani Kutatas"; a periodical review by Sandor Jasko. Bany
lap 96 no.1:69-70 Ja '63.

JASKO, Sandor, dr., a föld- és esvanytani tudományok kandidátusa

Relationship between the water discharge of the brooks on the Balaton Plateau and the Northern Bakony Mountains and the geologic structure. Hidrológiai közlöny 41 no.1:75-84 F '61.

1. Országos Földtani Főigazgatóság.

JASKO, Sandor, a föld - és asvanytani tudományok kandidátusa

Relationship between the geological structure and the extension of karstic water in the Dunantul Central Range.
Hidrologiai Kozlony 39 no.4:289-297 Ag'59.

L-13143-63

EWT(m)/BDS/ES(w)-2 AFFTC/ASD/ESD-3/SSD Pab-4 IJP(C)

P/046/63/008/001/001/001

68

66

AUTHORS: Bobrowski, L.; Wilhelmi, Z.; Górski, E.; Marcinowski, A.;
Sołtan, A.; Jaskóła, M.

TITLE: "Lech" pressurized electrostatic accelerator /9

PERIODICAL: Nukleonika, v. 8, no. 1, 1963, 1-28

TEXT: This paper describes a 3 Mev pressurized electrostatic accelerator developed and constructed at the Zakład (I-A) Fizyki Jądra Atomowego (Laboratory of Atomic Nucleus Physics) of the Instytut Badań Jądrowych (Nuclear Research Institute) in Warsaw, in collaboration with the Katedra Fizyki Jądra Atomowego Uniwersytetu Warszawskiego (Department of Nuclear Physics of Warsaw University). The described apparatus is a vertical van de Graaf generator operating in air or in a 70% N₂ and 30% CO₂ mixture. Operating pressure does not exceed 16 atm (6 atm in air). Its maximum potential, obtained without calming tube, is 3000 kV + 5%. The generator produces 2500 kv and its natural voltage stability is about 4%. This value can be corrected to 0.1% by means of a rotary voltmeter and corona tube. The maximum short circuit current in air at atmospheric pressure is 600 μa.
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"Lech" pressurized electrostatic accelerator

The target current is 50 μ a, whereby the beam trace does not exceed 10 mm. At smaller currents the beam can be reduced to 2-3 mm. The vacuum in the tube is not less than $5 \cdot 10^{-6}$ mm Hg without ion beam and better than $5 \cdot 10^{-5}$ mm Hg with beam in calming tube. Nuclear reactions were produced in January 1961. These were $\text{Li}^7(p,\gamma)\text{Be}^7$ and neutrons of $\text{Li}^7(p,n)\text{Be}^7$.

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L 13143-63

P/046/63/003/001/001/004

"Tech" pressurized electrostatic accelerator

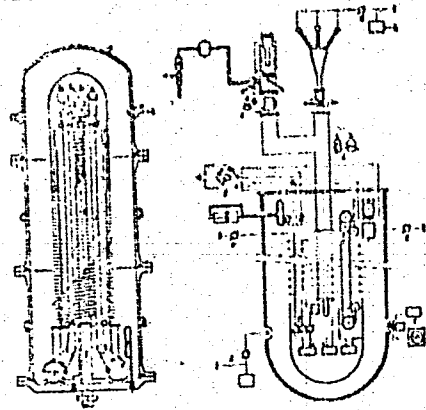


Fig. 1. Principle diagram of accelerator

Fig. 2. Accelerator measuring circuit

1-electrostatic ion source; 2-calming tube; 3-band; 4-engine; 5-spray points; 6-cooling coil; 7-recharging points; 8-corona tube; 9-rotary voltmeter; 10-viewing window; 11-high-voltage electrode; 12-pile.

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L 13143-63

P/046/63/008/001/001/001

"Lech" pressurized electrostatic accelerator

2

Orig. art. has 5 graphs, 16 photos and 28 references (no Polish, 6 Soviet, 22 other).

ASSOCIATION: Nuclear Research Institute, Warsaw; Warsaw University

SUBMITTED: September 1, 1962

Card 4/4

ACCESSION NR: AFS017439

ASSOCIATION: Instytut Jądrowy, Instytut Fizyki, Warszawa-Syrena (Institute of Nuclear
Department, Warsaw University)

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Card 2/2

LICHTENSTEIN, Henryk; JASKOLSKA, Anna; LESZCZYNSKA, Halina; HOFFMANN,
Przemyslaw M.

Comparative research on the usefulness of absorption masses
for hydrogen sulfide in the presence of air. Przem chem 41
no.9:521-523 S '62.

1. Zaklad Przerobku Siarki i Pochodnych, Centralne Laboratorium
Siarki i Kopalin Chemicznych, Warszawa.

LESZCZYNSKA, Halina; HOFFMANN, Przemyslaw M.; PIATKOWSKI, Bronislaw;
JASKOLSKA, Anna; CIESLEWSKI, Wieslaw

Pre-industrial technological research on the refining of sulfur concentrates by means of the centrifugal separator method. Przem chem 41 no.9:524-526 S '62.

1. Zaklad Przerobu Siarki i Pochodnych, Centralne Laboratorium Siarki i Kopalni Chemicznych, Warszawa.

JASKOLSKA, Halina; MINCZEWSKI, Jerzy

Determination of gallium and indium by the method of neutron activation. Chem anal 6 no.2:149-159 '61. (EEAI 10:9)

1. Department of Analytical Chemistry, Institute of Nuclear Research, Polish Academy of Sciences, Warsaw.

(Gallium) (Indium) (Neutrons)

JASKOLSKA, Halina; WODKIEWICZ, Ludmila

Determination of trace amounts of arsenic in germanium by the method
of neutron activation. Chem anal 6 no.2:161-165 '61.
(EEAI 10:9)

1. Department of Analytical Chemistry, Institute of Nuclear Research,
Warsaw. Head of Department: prof. dr. J. Minkiewicz.

(Germanium) (Arsenic) (Neutrons)

WODKIEWICZ, Ludmila; JASKOLSKA, Halina

Extraction of gold with the use of acetylacetone. Chem anal
6 no.6:1071-1072 '61.

1. Zakład Chemii Analitycznej, Instytut Badan Jadrowych,
Polska Akademia Nauk, Warszawa Kierownik Zakladu: prof. dr.
J. Minczewski.

JASKOLSKA, Halina

POLAND

MINCZESKI, Jerzy; JASKOLSKA, Halina; ROZEWICZ, Ludmila

~~Department of Analytical Chemistry, Institute of Nuclear Research (Zaklad Chemii Analitycznej Instytutu Badan Jądrowych), Warsaw~~

Kroslaw, Przeglad elektroniki, No 9, Sept 69, pp 520-25.

"Trace Impurity Determination in High Purity Materials by Neutron Activation Method".

JASKOLSKI, Ireneusz, inż.; FORNER, Leon

Zinc sulfate production in the nonferrous metallurgical industry. Rudy i metale 6 no.10:434-436 0 '61.

JASKOLSKI, K.

"Experience in the field of exchange of transformers not working at full capacity."

p. 148 (Gospodarka Ciepna, Energetyka Przemyslowa) Vol. 5, no. 4, July/
Aug. 1957
Warsaw, Poland

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

JASKOLSKI, Konrad, inż.

Research on the utilization of compressors in industry. Energetyka
przem 10 no.10:350-354 0 '62.

JASKOLSKI, S.

"Conditions for the good growing of potatoes" p. 8 (plon, Vol. 4, No. 5, May 1953,
Warszawa)

East European Vol. 3, No. 3
SO: Monthly List of ~~Russian~~ Accessions, Library of Congress, March ⁴ 1953, Uncl.

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PROCEEDINGS AND PROPERTIES INDEX

a-2

Silver-lead deposits of Oruro, Bolivia. H. Kozdrowski and S. JASKÓWSKI (Arch. Min. Soc. Sci. Varsovia, 1932, 8, 1-121).—A detailed list of the minerals found in these deposits is given, together with crystallographic and analytical data. The minerals of the veins are partly of hydrothermal origin. R. J.

MINERALOGICAL LITERATURE CLASSIFICATION

CLASSIFICATION	CLASSIFICATION	CLASSIFICATION	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

5

Titanium, its Industrial and Metallurgical Value and the Possibility of its Discovery in Poland. I. Feszezenko-Czopiwski and St. Jaskólski. (Prace Badawcze Huty Baildon, 1937, No. 2, June, pp. 1-16). The authors have examined the mineralogy, geology, distribution and chemistry of the titanium-bearing minerals, including ilmenite, rutile, titanite, perovskite, and titanomagnetite, particularly in Sweden and Norway, but also in North and South America, India, Africa (Senegal and Sierra Leone), Portugal and some other European countries. Possible Polish resources are briefly discussed. The chemical and physical properties of titanium metal are briefly considered and its compounds noted, particularly the properties of carbides and nitrides; the reactions occurring during the reduction of titaniferous iron ores and the titaniferous pig produced are discussed with appropriate analyses, and special uses and alloys of the metal are examined in some detail. Methods of preparing pure titanium by the aluminothermic process and by reduction of the tetrachloride with sodium hydride are given. (In Polish).

ASIA-31A 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

LIST AND TWO ORDERS PROCESSES AND PROPERTIES INDEX

ca

The occurrence of titanium ores and the possibility of their discovery in Poland. Stanislaw Jaskolski. *Hulnik* 9, 245-0(1937); *Chem. Zent.* 1938, 1, 2519. A review of the Scandinavian, North American and Russian deposits of Ti ores and a crit. study of recent investigations in Poland. M. G. Moore

OPEN

MATERIALS INDEX

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

GROUPS

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

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX

8

Common Elements Common Variability

METALLURGICAL LITERATURE CLASSIFICATION

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Abs Jour: Ref Zhur-Biol., No 3, 1958, 12287.

Author : Hoppe, R. Markowski, A., Jaskowski, L.

Inst :

Title : Experimental Treatment of Bulls Infected with
Trichomonosis.

Orig Pub: Med. weteryn , 1956, 12, No 3, 163-164.

Abstract: Good results were achieved in performing an irrigation of the prepuccial mucosa and of the extracted penis with a 0.4 percent chloramine solution under a 4.5 atmospheric pressure. Conduction anesthesia n dorsalis penis was performed prior to this treatment. Of 55 bulls treated, 49 recovered after a single treatment, 3 of the bulls recovered after

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POLAND/Diseases of Farm Animals Diseases Caused by Protozoa.

APPROVED FOR RELEASE: 08/10/2001

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Abs Jour: Ref Zhur-Biol., No 3, 1958, 12287

two treatments. For the treatment of one animal, up to 50 l. of the solution were used.

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"APPROVED FOR RELEASE: 08/10/2001

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J. A. S. L. S. K. T. L.

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619520017-0

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(Bulls) (Semen)

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Zwalczania Bezplodnosci, Instytut Weterynarii, Bydgoszcz. Kierownik:
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Kierownik: prof. dr. L. Jaskowski

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- Notes: Information on the above is contained in the following references:
9. "Use of Propaganda by the Soviet Union and other governments" in "Propaganda and Public Opinion" (London, 1950), pp. 100-101. - (Source: "Propaganda and Public Opinion" (London, 1950), pp. 100-101. - (Source: "Propaganda and Public Opinion" (London, 1950), pp. 100-101.)
 10. "Propaganda Activity in the USSR in the Postwar Period" in "Propaganda and Public Opinion" (London, 1950), pp. 100-101. - (Source: "Propaganda and Public Opinion" (London, 1950), pp. 100-101.)
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ACC NR: AP6026218 (A) SOURCE CODE: PO/0071/65/000/009/0552/0557

AUTHOR: Jaskowski, Lech--Yas'kovski, L. (Professor; Doctor; Bydgoszcz) *JB*

ORG: Department of Artificial Insemination and Fertility, Veterinary Institute
(Zaklad Inseminacji i Zwalczeniu Bezplodnosti, Instytut Weterynarii)

TITLE: Bacteria in bull semen and role of semen viability and bull fertility

SOURCE: Medycyna weterynaryjna, no. 9, 1965, 552-557

TOPIC TAGS: biologic reproduction, bacteriology, animal husbandry, commercial animal

ABSTRACT: Thorough discussion of the role of 10 common types of bacteria in male infertility in cattle. Semen containing over 400,000 organisms is considered unsatisfactory, that containing less than 50,000 very good; intermediate concentrations may be passable, fair or good. Orig. art. has: 1 table. [JPRS: 33,500]

SUB CODE: 06, 02 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 029

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