

1. 22345-66

ACC NR: AP6013513

SOURCE CODE: UR/0120/66/000/002/0129/0131

AUTHOR: Barenboym, G. M.; Domanskiy, A. N.; Solomatn, V. F.

50  
8

ORG: Cytology Institute, AN SSSR, Leningrad (Institut tsitologii AN SSSR)

TITLE: Characteristics of cooled photomultipliers of FEU-39 and FEU-46A types

SOURCE: Pribory i tekhnika eksperimenta, no. 2, 1966, 129-131

TOPIC TAGS: photomultiplier, photocathode, light emission

ABSTRACT: Results are given of an investigation of the sensitivity and the dark current of the FEU-39 and FEU-46A nitrogen-cooled photomultipliers having antimony-cesium photocathodes without a conducting substrate. Light from an SVD-120A lamp passed through the quartz light guide and the ZMR-3 monochromator illuminating the photocathodes. A photocurrent two or three times greater than the dark current at room temperature corresponds to the "weak" light flux with  $5 \times 10^3$  photons/sec. The photocurrent due to a "strong" light flux was not less than  $5 \times 10^{-8}$  amp which, according to the calculation, corresponds to a flux with  $5 \times 10^5$  photons/sec. The signal from the "weak" light flux and the photomultiplier noise were measured by counting the pulses developing across the photomultiplier load. Signals from the

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UDC: 621.383.53

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"strong" light flux were measured by the microammeter. The following conclusions were reached: Cooling of photomultipliers limits the range of operating light fluxes. If the recorded light flux is sufficiently weak ( $< 5 \times 10^3$  photons/sec), the photomultiplier may be cooled to the temperature of liquid nitrogen. Under the action of "strong" light fluxes ( $< 5 \times 10^5$  photons/sec), cooling below  $-80^\circ\text{C}$  leads to a sensitivity drop. The sensitivity, which is dependent at the given temperature on the intensity of the light flux, is not immediately restored, which leads to certain limitations in rapid measurements. Optimum cooling temperatures and signal-to-noise ratios for various light fluxes are determined. Orig. art. has: 4 figures. [GS]

SUB CODE: 09/ SUBM DATE: 29Mar65/ ORIG REF: 008/ ATD PRESS: 4242

Card 2/2 *ada*

DCMANSKI, Bonifacy

Design problems in the construction of the Q=2X250 T gantry crane.  
Problemy proj hut massyn li no.4:122-126 Ap '63.

L. Proszant, Gdansk

L 22429-66 EWT(d)/EWP(k)/EWP(1)

ACC NR: AP6013617

SOURCE CODE: UR/0105/65/000/011/0086/0086

AUTHOR: Vol'dek, A. I.; Domanskiy, B. I.; Drannikov, V. S.; Zalesskiy, A. M.;  
Kamenskiy, M. K.; Kantun, V. V.; Kashkarov, G. Ye.; Kizevetter, Ye. I.; Klimov, A. N.;  
Kovalev, N. N.; Kostenko, M. P.; Kostenko, M. V.; Neyman, L. R.; Pavlov, G. M.;  
Ravdonik, V. S.; Ruzin, Ya. L.; Sidorov, M. M.; Shramkov, Ya. G.

ORG: none

TITLE: Professor Sergey Vasil'yevich Usov, on his 60th birthday

SOURCE: Elektrichestvo, no. 11, 1965, 86

TOPIC TAGS: academic personnel, electric engineering personnel, electric power plant

ABSTRACT: The noted Soviet power specialist Professor S. V. USOV, who was 60 years old last September, graduated from the Leningradskiy elektrotekhnicheskiy institut (Leningrad Electrotechnical Institute) in 1930 and then, for the next twenty years, worked for the Lenenergo power system of which he became chief engineer in 1939. During the blockade of Leningrad he was head of the group which in 45 days managed to connect the beleaguered city with the Volkhovskaya hydroelectric station across the frozen Ladoga lake. He also carried out the adaptation of the boilers of the Leningrad thermal power plant to consume the locally available fuel. In 1949 he became professor and head of the Department of Electric Stations :

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47  
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UIC: 621.311.1

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ACC NR: AP6013617

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of the Leningradskiy politekhnicheskii institut (Leningrad Polytechnic Institute) Im. Kalinin. In addition to his fruitful pedagogical endeavors, he published 50 scientific papers. From 1955 to 1958 he was a deputy director for scientific work. In 1964 he was elected Dean of the Electromechanical Faculty of the Institute. He joined the Party in 1942; from 1943 to 1955 was deputy president of the central board of the NTOEP /Nauchno-tekhnicheskoye obshchestvo energeticheskoy promyshlennosti; Scientific Engineering Society of Power Industries/, president of the section of power systems of NTOEP, and member of numerous scientific-engineering councils. For many years he was a member of the editorial board of the journal Elektricheskiye stantsii (Electric Stations). For his contributions in the field of power engineering S. V. USOV was awarded the Order of Lenin, Order of Red Banner of Labor, Order of Red Star, Badge of Distinction, and the medals: "For the Defense of Leningrad" and "For Distinguished Service During the Patriotic War." Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10 / SUBM DATE: none

Card 2/2 BLG

DOMANSKI, Emilian, inż.

Operation of devices for continuous control of fuel injection into the combustion engine. Pt. 2. Przegl kolej mechan 14 no.1:9-12, 21-24 Ja '62.

DOMANSKI, Emilian

Functioning of the automatic doors of electric trains  
during the winter. Przegl kolej mechan 15 no. 5: 135-137  
My '63.

1. Centralny Zarzad Trakcji, Warszawa.

*Romanish 6*

621.315.468.3

468. Technical and economic basis of the use of prestressed concrete poles for high-voltage lines. *Przebieg*. *Przebieg elektrotech.*, 30, No. 4, 1953 (1954) 78. Polish.

Use of prestressed concrete poles in 15 kV and 30 kV transmission lines would result in saving of steel and timber. It is estimated that on a 50-year life basis, the ratios of sum of erection and maintenance costs of such a 30 kV line v. a line on wood poles with reinforced concrete stanchions on steel poles would be as 100 : 123 : 153. Corresponding ratios for 100 kV lines would be 100 : 107 : 113.5. It is assumed that the design of prestressed concrete poles can be much improved and their initial cost reduced. A negligible maintenance cost was assumed for them in this estimate. It is proposed to use prestressed concrete tangent structures and steel angle and dead-end structures. J. LUKASZEWICZ



DOMANSKI, E.; RYCHLEWSKI, E.

Economic importance of using reinforced-concrete poles in the construction of overhead electric lines. Pt. 1. (To be contd.) p. 312.  
(ENERGETYKA. Vol. 10, no. 6, Nov./Dec. 1956.)

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

DOMANSKI, E.; RYCHLEWSKI, E.

Economic importance using reinforced-concrete poles in the construction of overhead electric lines. Pt. 2. p.26.

(ENERGETYKA. Vol. 11, No. 1, Jan./Feb. 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

DOMANSKI, Edward, mgr.inz. (Warszawa)

Economical electric lines of mean voltage on reinforced concrete  
poles. Wiad elektrotechn 30 no.2:33-35 F '62.

DOMANSKI, Edward, mgr., inż.

"Construction of overhead electric lines" by H. Rieger. Reviewed  
by Edward Domanski, Przegl elektrotechn 38 no.1:34 '62.

DOMANSKI, Edward; MAYZEL, Boleslaw

Poles and foundations of transmission lines (MKWSE, 1960).  
Przeł elektrotechn 38 no.7:296-304 J1 '62.

DOMANSKI, Edward, mgr inz.

Construction costs of overhead medium voltage lines on reinforced concrete pillars. Wiad elektrotechn 32 no. 1:19-20  
Ja '64.

DOMANSKI, Emilian, ins.

A new electric train section of the Polish State Railroads. Przegł  
kolej mechan 14 no.3:75-76, 84-85 Mr '62.

JABLONSKI, Michal, dr inż.; DOMANSKI, Edward, mgr inż.; MAZUR, M., prof. dr

Review of publications on technology. Przegl elektrotechn  
39 no.12:485-487 D'63.



KONTKIEWICZ, R., mgr inż.; MARECKI, Jacek, dr inż.; DOMANSKI, Edward, mgr inż.; GRUNWALD, Zdzisław, doc.

Review of publications in electrical engineering. Przegl elek-  
trotechn 40 no.7:334-337 J1 '64.

Microelements of the soil and their effect on the health of farm animals. *Polish J. Vet. Med. 1954, No. 8, 25-30* (1954). In one study, sheep, old ewes, were fed hay, red clover, alfalfa, and lupine. The following concns. of Cu and Co in the feed: 0.15, 0.0; 0.11, 0.0; 0.08, 5.0; and 0.15, 12.5. They were in fair condition. They had the following Hb concns. in %: ewes, 65; lambs, 43; very sick rams, 28. After being fed daily, in a month their Hb concns. improved: rams, 43.7; sick ewes, 65; lambs, 43.7. In general health, appearance, and appetite in a week, the animals improved 59%. When this was repeated on another group of sheep, results could not be duplicated. The sheep remained in excellent health even on a Cu-deficient diet.

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Poland/Diseases of Farm Animals. Noninfectious Diseases

R-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31116

Author : Domanski E., Dobrowolska D., Zalewska E.

Inst : ~~ON LAST PAGE~~ .....

Title : I. Anemia and Regenerative Changes in the Organism of Chicks under Conditions of Disturbed Relationship Between Folic Acid and Other Water-Soluble Vitamins (Interdependence Between Folic and Ascorbic Acids). II. Paresis and Paralysis of Peripheral Nerves in Chicks under Conditions of Disturbed Relationship Between Riboflavin and Other Vitamins of the B Group in the Diet.

Orig Pub : Acta physiol., polon., 1957, 8, No 1, 139-152

Abstract : A spontaneous disease of chicks, which was not caused by a viral infection and which was manifested by a disturbance of hemopoiesis and fatty degeneration of the liver, or by paresis and paralysis of feet, was observed. The pathological course of the disease was experimentally reproduced, and the role of vitamins added as a supplement to the basic ration

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POLAND/Diseases of Farm Animals. Noninfectious Diseases

R-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31116

composed of natural feeds was explained. The disturbance of hemopoiesis and the process of fatty degeneration of the liver were more marked in the absence of both folic and ascorbic acids from the vitamin complex than when only one of them was wanting. The disturbance of the process of the production of blood was characterized by the appearance in the liver of cellular infiltrates consisting of hemocytoblasts in different stages of development. Such infiltrates were also discovered in other organs (kidneys, heart). Paralysis and paresis of the feet developed in cases where riboflavin was lacking from the vitamins supplied. Among chickens which were receiving basic rations without their supplementation by some water-soluble vitamins, only sporadic cases of disease with no marked symptoms, were observed. From the data obtained, it may be concluded that the addition of an incomplete complex of biologically active substances to the basic diet leads to the disturbance of the chemical equilibrium of the metabolic processes. The results of the experiments indicate

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POLAND/Diseases of Farm Animals. Noninfectious Diseases

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Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31116

the existence of an interdependence between the action of folic and ascorbic acids and the presence of the lipotropic function of folic acid. -- A.F. Kukhto

*Inst — z Zakładu Higieny Zwierząt Instytutu ~~Weterynaryj~~  
Weterynarii w Bydgoszczy.*

Card : 3/3

STUPNICKI, Romuald; STUPNICKA, Elzbieta; DOMANSKI, Eugeniusz.

Effect of prolactin on the leukocytic picture of the peripheral  
blood in rats. Acta physiol. polon. 11 no.3:433-434 My-Je '60.

1. Z Instytutu Fizjologii i Żywienia Zwierząt PAN i Instytutu  
Weterynarii w Bydgoszczy Kierownik: prof. dr E.Domanski  
(PROLACTIN pharmacol)  
(LEUKOCYTE COUNT pharmacol)

DOMANSKI, E.; DOBROWOLSKA, D.; ZALEWSKA, E. (Bydgoszcz)

The effect of antibiotics upon the ascorbic and folic acid metabolism  
in chickens. Roczn. nauk roln. wet. 70 no.1/4:127 '60. (EEAI 10:9)

(Poultry) (Antibiotics) (Ascorbic acid)  
(Folic acid)

DOMANSKI, E. (Bydgoszcz); FITKO, R. (Warszawa)

Hormonal disorders and resulting reproduction and lactation  
disturbances in cows after the foot-and-mouth disease. Rocz nauk  
roln wet 70 no.1/4:307-308 '60. (EEAI 10:9)

(Cattle) (Hormones) (Foot-and-mouth disease)



FITKO, Remigiusz, DOMANSKI, Eugeniusz, prof. dr.

The hormonal system and its influence upon the pathogenesis of cystic degeneration of the ovaries in animals. Zeszyty problemowe post nauk roln no.31:101-105 '61.

1. Zakład Fizjopatologii, Wydział Weterynaryjny, Szkoła Główna Gospodarstwa Wiejskiego, Warszawa. Kierownik: prof. dr. E. Domanski

FITKO, Remigiusz; DOMANSKI, Eugeniusz

Studies on cyst-forming properties of luteinizing gonadotropic hormones.  
Endokr. pol. 13 no.5:571-593 '62.

1. Katedra Fizjopatologii Wydziału Weterynaryjnego SGGW w Warszawie.  
Kierownik: prof. dr E. Domanski.  
                  (ICSH)                   (OVARIES)

DOMANSKI, Eugeniusz

Effect of the hypothalamus on the secretion of gonadotropic hormones by the pituitary. Acta physiol. Pol. 15 no.4: suppl.: 73-80 '64

Instytut Fizjologii i Żywienia Zwierząt Polskiej Akademii Nauk w Jabłonie koło Warszawy.

ROMANSKI, I onyuez; KOZLOWSKI, Witold, mgr inż.

Design and operation of wet electrofilters. Gosp  
paliv 13 no.1:15-16,25-27 Ja '65.

DOMANSKI, H.

Talbierski, J.; Domanski, H.

"Influence of the shape and cross section of an element on the resistance of concrete to squeezing." Biuletyn.p. 17A (Inzyniera I Budownictwo, Vol. 10, No. 8, Aug. 1953, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June, 1954, Uncl.

DOMANSKI, H.

"Using Boiler Slag For The Production Of Light Concrete" p. 112. (Przeład Budowlany,  
Vol. 25, no. 3, Mar. 1953, Warszawa)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 2, February, 1954 ~~1953~~, Uncl.

*DOMANSKI, HL*

DOMANSKI, HL

Introductory information concerning the problem of curing concrete at the building site.

p. 21 (Budownictwo Przemyslowe) Vol. 4, No. 9, Sept. 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) IC, VOL. 7, NO. 1, JAN. 1953

WYSTĄPIENIA, notował: J. JABŁONSKI, Internista JAGIELSKI, dr. med.

Surveillance fonctionnelle. Ginek. Pol. 36 no. 4: 671-676  
Ju 1965.

1. Z II Kliniki Położnictwa i Chorob Kobięcych Akademii  
Medycznej w Wrocławiu (Kierownik: prof. dr. med. k. Jab-  
lonski), z Zakładu Anatomii Patologicznej Akademii Medycz-  
nej w Wrocławiu (Kierownik: prof. dr. med. Z. Albert) i  
z Ośrodka Kardiologicznego przy Państwowym Szpitalu Kli-  
nicznym Nr. 1 w Wrocławiu (Kierownik: prof. dr. med. Z.  
Kowarzykowa).



WOJCIECHOWSKA, Halena; DOMANSKI, Ignacy; JAGIELSKI, Jozef

Ćwiczenia trioculare functionale. Głęb. Pol. 36 nr.6:671-676  
Ję 165.

1. Z II Kliniki Położnictwa i Chorob Kobietych Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. med. K. Jablonski), z Zakładu Anatomii Patologicznej Akademii Medycznej w Wrocławiu (Kierownik: prof. dr. med. Z. Albert) i z Ośrodka Kardiologicznego przy Państwowym Szpitalu Klinicznym Nr. 1 w Wrocławiu (Kierownik: prof. dr. med. Z. Kowarzykowska).

DOMANSKI, Jozef; ZWOLINSKI, Konstanty

Experiments in the determination of conditions for repeated  
diffraction images of silty minerals by the electronic microscope.  
Rozpr hydrotechn no.12:151-154 '62.

KONIECZNY, L.; DOMANSKI, J.

Unreactive thiol groups in human haemoglobin. Acta biochim.  
pol. 10 no.4: 325-336 '63.

1. Department of Physiological Chemistry, Medical School,  
Krakow.

(HEMOGLOBIN) (SULFHYDRYL COMPOUNDS)  
(PROPANEDIOLS) (BIOCHEMISTRY)

DOMANSKI, Jerzy, mgr inż.

Studies on surface water purification for boiler feeding in  
the Turow Power Plant. Gosp paliw 11 no.2:50-56 F '63.

DOMANSKI, Jan M.; MIZGIROW, Mikolaj (Warszawa)

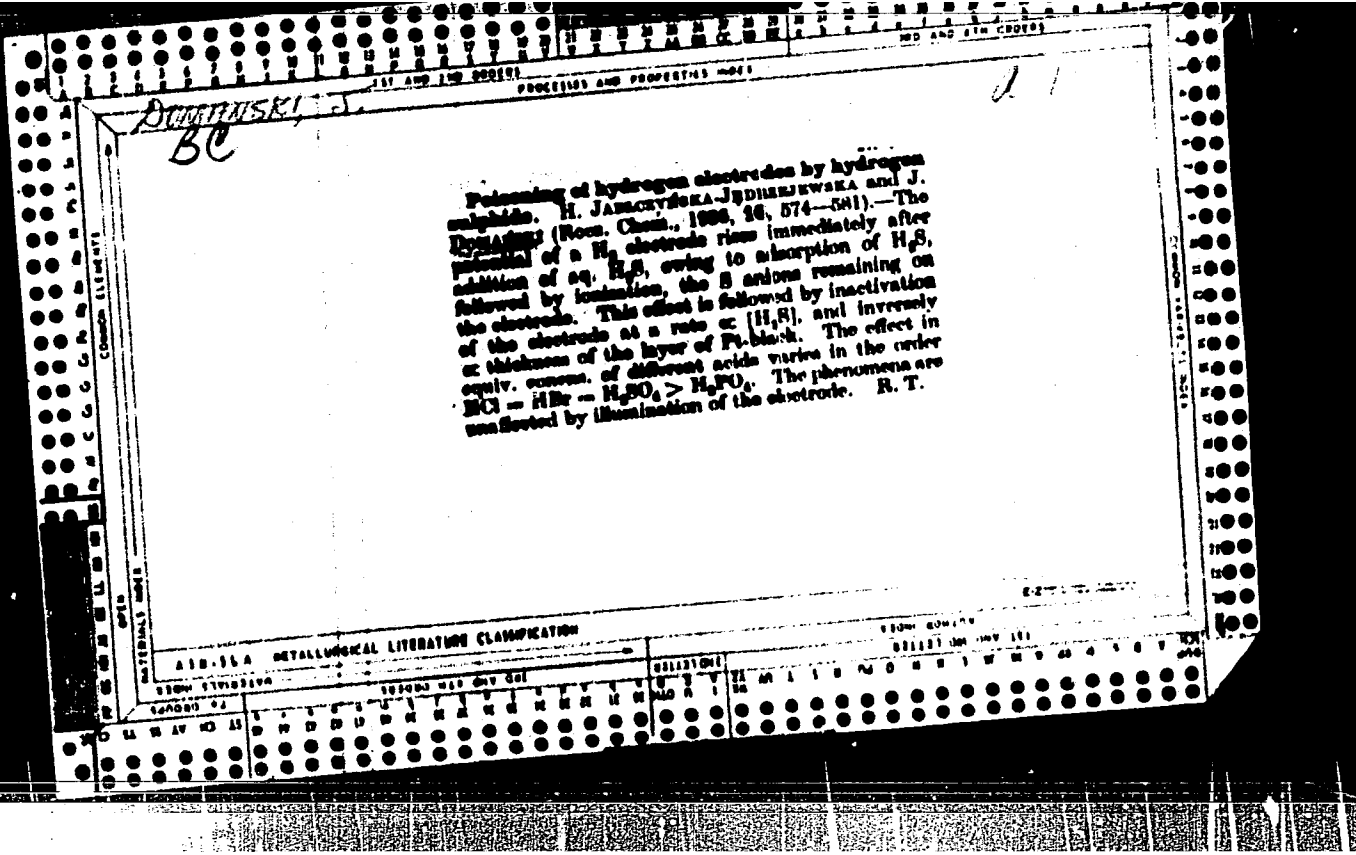
Mechanized raising of excavated materials from drifts.  
Przepl budowl i bud mieszk 33 no.2:98-99 107 F '61.

DOMANSKI, Jozef; ZWOLINSKI, Konstanty

Remarks concerning the preparation of microscopic samples  
for the identification of clay minerals. Rozpr hydrotechn  
no. 14: 133-147 '63.

DOMANSKI, Jan M.; MIZGIROW, Mikolaj (Warszawa)

Mechanized raising of excavated materials from drifts. Przegł budowl 1  
bud mieszk 33 no.2:98-99, 107 F '61.





DOMANSKI, JERZY

Laboratory research on chemical neutralization of effluents  
 from sulfate lyes. Jerzy Domanski and J. W. ...  
 (Lodz, Poland). *Chem. Woda i Techn. Sewid.* 27,  
 4 (1953). The object of the research were effluents of  
 spent sulfate lyes (I) discharged on a ground in ...  
 They caused a serious discoloration and increase of ...  
 content of the water of the river into which they flowed.  
 The object of the work was to obtain high enough purifica-  
 tion of the water by effective self-purification of the ...

consumed 44 mg./l. pH 11.1;  $FeSO_4 \cdot 7H_2O$  + enough Cl to  
 oxidize all the present Fe to trivalent + CaO 1000 mg./l., pH 11.0;  
 coloration 140 mg. Pt/l. O consumed 75 mg./l. pH 11.0;  
 CaO 800. ... followed by  $CO_2$   
 40 mg./l. pH 12.3. CaO 400 mg. O consumed 38 mg. l.  
 satn. coloration 100 mg. Pt/l. O consumed 150  
 pH 12.2 and 150 +  $CaOCl_2$  100 mg./l. coloration 150  
 mg. Pt. O consumed 75 mg. pH 12.2. The reported  
 results are similar to the test impurity concn. By dou-  
 bling the flocculation time (30 instead of 15 min) the adsorp-  
 tion effect of  $CO_2$  was increased and the discoloration was  
 further lowered. In this case the discoloration contained large  
 amount of iron which could fix up very  
 slowly, and ...  
 (consumed) ... plus addition of  $CaOCl_2$ .  
 with  $CO_2$  or with ...  
 could be regenerated by calcination.

The water pH 6.5-7.0. Al content ...  
 search: pH 6.5-7.0. Al content ...  
 800-1700 mg. Fe 110-1800 mg./l. 2500 mg./l. Al ...  
 were investigated: Al ( $SO_4$ ) 1800 mg./l. pH 4.5. Al ...  
 (100 mg. Pt/l. O consumed 75 mg./l. coloration 60 mg.  
 ( $SO_4$ ) 1800 + CaO 400 mg./l. coloration 1500  
 Pt./l. O consumed 70 mg./l. pH 7.0;  $FeSO_4 \cdot 7H_2O$  1500  
 mg./l. CaO 800 mg./l. coloration 100 mg. Pt./l. O con-

Domaniski, Jerzy

Research on application of dolomites to waste neutralization. Jerzy Domaniski, *Gas, Woda i Tech. Sanit.* 29, 285-8(1986).—The power to neutralize  $H_2SO_4$  solns. of 3 Polish dolomites was detd. according to the Voznesenskii formula (V., et al., *C.A.* 33, 4368)  $H_n = kd^2 \sqrt{l} k C_0$ , through an exptl. detn. of their coeff. of chem. activity,  $k$ . The 3 dolomites contained, resp.: CaO 20.68, 28.78, 31.80; MgO 17.67, 17.42, 18.63; CO<sub>2</sub> 43.60, 42.58, 45.72%. The tests were run on crushed material screened to obtain a fraction of av. particle diam.  $d = 10.5$  mm. The neutralizing layer was formed by filling a glass tube of 50-mm. diam. with the screened dolomite. The tube was provided with lateral outlets every 10 cm. of its length to allow for sampling the treated solns. A soln. of  $H_2SO_4$  in tap water was fed from the bottom of the tube at a controlled rate of flow ( $l$ ). From the values of pH of the soln. after its passage through the dolomite and the acidity of the original soln. ( $C_0$ ) and at different levels in the layer (methyl orange), diagrams were plotted of acidity vs. layer height. The point of intersection with the height axis gave the value of  $H_n$ . An av. of several  $H_n$  detns. was taken from curves at different values of  $l$ . The obtained values of  $k$  were 1.49, 1.37, and 1.03 for each of the investigated dolomites, resp. The coeff.  $k$  for dolomite is 1.47. The results indicate that the value of  $k$  depends on the chem. compn. and particle size of the dolomite.

Henry W. Lawendel

*John* /

DOMANSKI, J.

Research on the use of dolomites for neutralization of sewage. p. 385.

GAZ, WODA I TECHNIKA SANITARNA, VOL. 29, No. 11 Nov. 1955

(Polskie Zrzeszenie Gazownikow, Wodociagowcow i Technikow Sanitarnych) Warszawa

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1 Jan. 1956

POLAND/Chemical Technology. Chemical Products and Their  
Application. Water Treatment. Sewage.

H

Abstr Jour: Ref Zhur-Khim., No 8, 1959, 27936.

Author : Domanski, J.

Inst :

Title : Experiments on the Coagulation of Paper Plant Waste  
Liquors.

Orig Pub: Gaz, Woda, Tech Sanit, 31, No 7, 246-249 (1957) (in Polish)

Abstract: It has been shown that when the waste liquors are co-  
agulated with lime for 15 min (200 mg/liter of CaO),  
the suspended solids content can be reduced by 85%.  
Following the dewatering of the sludge formed in the  
coagulation in vacuum filters, an increase in the CaO  
content of the filtrate has been observed. -- S. Yavcrovs-  
kaya.

Card : 1/1

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DOMAKSKI, Kazimierz

Intrafactory economic clearing- accounting. Chemik 15 no.1:  
1-5 Ja '62.

1. Zaklad Badan i Analiz Ekonomicznych, Instytut Chemii Ogolnej,  
Warszawa.

DOMANSKI, L: KOSCIALKOWSKI, W.

The problem of experiments in building construction.

P. 42 (BUDOWNICTWO PRZEMYSLOWE) Poland, Vol. 6, No. 7, July 1957

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

EXCERPTA MEDICA Sec 1<sup>4</sup> Vol 13/10 Radiology Oct 59

1937. HIGH-VOLTAGE RADIOGRAPHY APPLIED TO RADIODIAGNOSTICS -  
Technika 'twardych' promieni X i ich zastosowanie w radiodiagnostyce  
lekarskiej - Domanski M., Grojec M. and Grunwald B.  
Studenckie Towarzystwo Naukowe A.M., Warsaw - POL. PRZEGL. RADIOL.  
1938, 22/6 (337-342) Graphs 6 Illus. 7  
The paper contains a brief description of high-voltage X-ray technique and its ap-  
plication to the radiography of particular organs. Marciniak - Wroclaw

DOMANSKI, M.

Research on the possibilities of improving the quality of oxide cathodes for receiving vacuum tubes. Przegl elektroniki 3 no.6:334-335 Je '62.

1. Zakłady Wytworcze Lamp Elektrycznych, Warszawa.



DOMANSKI, R.

DOMANSKI, R.

Pushcarts with rubber tires as the means of transportation in farm buildings

p. 19 (Budowincitwo Wejskei) Vol. 7, No. 5, Sept./Oct., 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

DOMANSKI, R.

Bound water and its importance for the degree of resistance in plants. p. 87.

WIADOMOŚCI BOTANICZNE. (Polskie Towarzystwo) Krakow, Poland.  
Vol. 3, no. 2, 1959.

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

Uncl.

DOMANSKI, R.

~~XXXXXXXXXXXXXXXXXXXX~~  
Response of spring barley to nitrogen supplied under conditions of water deficiency. Acta agrobot 13: 80 '63.

1. Katedra Fizjologii Roslin, Wyzsza Szkola Rolnicza, Poznan.

BYSTRZANOWSKA, Teofila; DOMANSKI, Remigiusz; STEC, Ryszard

A modified audiometer for children. Otolaryng. pol. 16 no.4:589-594  
'62.

1. Z I Kliniki Laryngologii Studium Doskonalenia Lekarzy w AM w Warszawie  
Kierownik: doc. dr med. T. Bystrzanowska.  
(AUDIOMETRY)

DOMANSKI, Romuald

Spring rooting of willows. Roczniki wyz szkola rol  
Poznan 14 15-24 '63.

The mass of leaves in relation to the mass of shoots on  
two species of willow. Ibid.:25-30.

1. Department of Forest Cultivation, College of Agriculture,  
Poznan.

DOMANSKI, Romuald

Certain physiological problems concerning the resistance of plants.  
Wiadom botan 8 no.3/4:231-234 '64.

DOMANSKI, Ryszard (Poznan)

Theoretical models of communication systems. Czasop geograf 34  
no.2:149-167 '63.

DOMANSKI, Ryszard

Typological proceedings in economic geographical studies. Przegl geogr  
36 no.4:627-660 '64.



DOMANSKI S., SOLECKI Z.

↳ Budowa, obsługa i naprawa ciągników (Construction, operation and repair of tractors) by S. Domanski, Z. Solecki. Reported in New Books (Nowe Książki.) February 15, 1956. No. 4.

DOMANSKI, Stanislaw

Full-term pregnancy in undeveloped auxiliary horn of uterus unicornis. *Gin polska* 28 no.2:139-142 Mar-Apr 57.

1. Ze Szpitala Powiatowego w Sanoku Dyrektor: dr. J. Zigmund  
Ordynator Oddziału Ginekologiczno-Polożniczego: dr. St. Domanski.  
Adres: Sanok, ul. Mickiewicza 6.

(UTERUS, abnorm,  
unicornis, term pregn. in auxiliary horn, surg. (Pol))

7/1/77  
DOMAŃSKI, S.

ZALEŃSKI (K.), DOMAŃSKI (S.), & WOJCIECHOWSKI (E.). *Grzyby Państwowego nadleśnictwa Zielonka (woj. Poznański), zebrane w latach 1946 i 1947 r.* [Fungi of the Zielonka State forests (Poznań province), collected from 1946 to 1947.]—*Acta Soc. Bot. Polon.*, 19, 1, pp. 101-143, 1 map, 1948. [English summary.]

This list of Ascomycetes, Basidiomycetes, and Fungi Imperfecti collected during 1946-47 in the Zielonka State forests, Poland, contains 324 species, including three provisional new varieties, namely, *Lophodermium juniperinum* var. *minorospora* n. var. ad. int. and *Hendersonia foliicola* var. *logiospora* n. var. ad. int. on *Juniperus communis*, and *Leptothyrium pinastri* var. *minorospora* n. var. ad. int. on *Pinus strobus* and *P. sylvestris*.

**Domański S. Studies over the Causes of the Incidence of Dried Wood**

**in Older Pine Stands in the Wielkopolska National Park in Ludwikowo**  
Badania nad przyczynami powstawania posuszu w starszych drzewostanach sosnowych w Wielkopolskim Parku Narodowym w Ludwikowie

w. (Prace Inst. Bad. Leśn. No. 40, Warszawa, 1953, PWRiL, 50 pp., 2 figs., 250 mm)

Several old, dead and living pine were examined in a young pine forest. Forests for symptoms of dieback and the main cause of the death of trees was determined as a result of forest fires. The principal cause of dieback was determined as *Truncated* in pine. In the case of old pine trees, *Truncated* was determined as the cause of dieback. *Truncated* was determined as the cause of dieback in old pine trees. *Truncated* was determined as the cause of dieback in old pine trees. *Truncated* was determined as the cause of dieback in old pine trees.

W. L. S. P.

Wood-inhabiting fungi in the Białowieża Forest, Poland. Acta soc  
botan Pol 33 no.4:661-678 '64.

I. Botanic and Phytopathologic Station of the Lodzian School of  
Agriculture, Mediana pow. Kępcz.

DOMANSKI, Stanislaw

Significance of the microscopic structure of fruit bodies  
in the taxonomy of the Polyporaceae. Wiadom botan 9 no.1:  
31-42 '65.

DOMANSKI, St.

"Grzyby kapeluszowe" (cap-shaped mushrooms), by St. Domanski. Reported in  
New Books (Nowe Książki), No. 13, July 1, 1955

DOMANSKI, STANISLAW.

Grzyby kapeluszowe (Aphyllorphorales, Agaricales) zebrane w Wielkopolskim Parku Narodowym w latach 1948-1952. Poznan, Panstwowe Wydawn. Naukowe, 1955. 46 p. (Prace Monograficzne nad Przyroda Wielkopolskiego Parku Narodowego pod Poznaniem, t. 2, zeszyt 11) (Hat-shaped mushrooms (Aphyllorphorales, Agaricales) collected in the Great Poland National Park in the years 1948-1952. English and Russian summaries. illus., bibl., tables.)

So. East European Accessions List. Vol. 5, no. 1, 1956 Jan.



DOMANSKI, S.

Two new genera of fungi of the group *Poria* Pers. ex S.F.Gray.  
*Acta soc botan Pol* 32 no.4:731-739'63.

1. Stacja Entomologiczno-Fitopatologiczna, Wyższa Szkoła Rolnicza, Poznań, w Siemianicach.

DOMANSKI, S.

Examining certain species of fungi of the family Polyporaceae.  
Acta soc botan Pol 33 no.1:167-178 '64

1. Stacja Entomologiczno-Fitopatologiczna, Poznanska Wyzsza  
Szkoła Rolnicza, Siemianice, Pow. Kepno.

DOMANSKI, S.

*Pleurotus vetlinianus* Dom., sp. nov. Acta soc botan Pol  
33 no.2:243-246 '64.

1. Entomological and Phytopathological Station, Siemianice  
pow. Kępno, College of Agriculture, Poznan.

KUS, Stanislaw, dr inz.; DOMANSKI, Stanislaw, mgr inz.

From experiences of designing combined steel-enforced prestressed roofs. Inz i bud 21 no.8:Suppl:Maly por konstr 5 no.5:25-27 Ag '64.

*Handwritten:* 10/19/50  
*Handwritten:* 1-200

*Handwritten:* 19  
L. S. neutron detection in presence of radiation,  
Tadeusz Domanski (Polish Acad. Sci. Warsaw) *1950*  
*Handwritten:* 1950  
Phys. Rev. 101, 1311 (1950) (in English): A thin layer of  
ZnS(Ag) is deposited on the glass bulb of a Geiger-Müller  
photomultiplier tube, and this is covered with natural Bi.  
The  $\gamma$ -rays do not produce appreciable scintillations in the  
ZnS(Ag) layer, but they expell electrons from the glass  
cathode and the dynodes. The very short  $\gamma$  pulses can be  
sepd. from the longer scintillation pulses by using a Miller  
integrator circuit followed by a simple amplitude discrimi-  
nator. The efficiency of the detector is close to 1.  
James R. Uffner

*Handwritten:* for [unclear]  
*Handwritten:* [unclear]

DOMANSKI, W.

Maintenance of storage batteries used for lighting passenger cars.

P. 215. (PRZEGLAD KOLEJOWY MECHANICZNY) (Warszawa, Poland) Vol. 9, no. 7, July 1957

SO: Monthly Index of East European Accession (EMAI) LC Vol. 7, No. 5, 1958

DOMAŃSKI, W.

Suspension and propulsion of car generators.

P. 57. (PRZEGLĄD KOLEJOWY MECHANICZNY) (Warszawa, Poland) Vol. 10, no. 2,  
Feb. 1958

SO: Monthly Index of East European Accession (MEMI) 10 Vol. 1, no. 2, 1958

DOMANSKI, Wiktor; PLUTA-CZACHOWSKI, Jerzy

Tasks and duties during the heating period of passenger trains.  
Przełk kolej mechan 14 no.12:380-382 D '62.

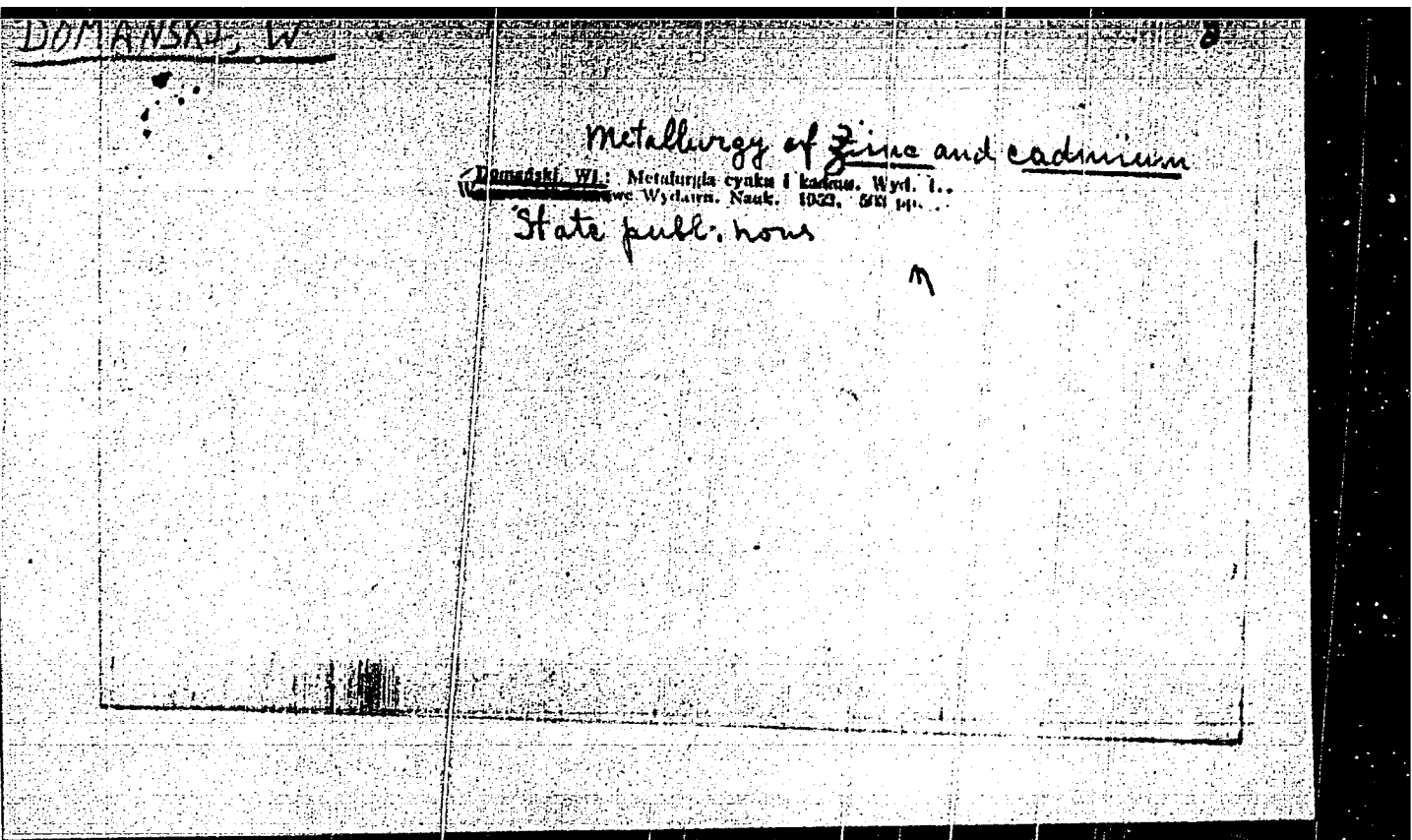
1. Centralny Zarząd Wagonów, Warszawa.



DOMANSKI, Wiktor

Electric heating of passenger cars during the winter season  
1964/1965. Przegl kolej mechan 11 no.12:303-305 D '64.

1. Central Railway Car Administration of the Ministry of Transportation, Warsaw.



DOMANSKI, WLADYSLAW

V 1009\* The Chemical Action of Chlorine and its Compounds on Metals and Metallic Oxides. *Działanie chloru i związków chlorowych na metale i ich tlenki.* (Polish.) Władysław Domański. *Archiwum górnicze i hutnictwa*, v. 3, no. 8, 1933, p. 499-503.

MG

The method of calculation of the chemical affinity of metals for chlorine gas as a function of temperature has been illustrated in its application to the analysis of the Beterton process. Results were confirmed by the data of metallurgical practice. Graphs, tables, 11 ref.

MG

DOMANSKI, W.

POLAND / Physical Chemistry. Thermodynamics, Thermo-  
chemistry, Equilibria, Physical-Chemical  
Analysis, Phase Transitions. B

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60169.

Author : W. Domanski  
Inst : Academy of Sciences of Poland, Royal Society.  
Title : The Solubility of Oxygen in the Form of Ag<sub>2</sub>O in  
Solid Silver.

Orig Pub: Bull. Acad. polon. sci., 1957, Cl.4, 5, No 6,  
363-371.

Abstract: The thermodynamics of the process of oxygen dis-  
solution in solid silver was investigated using  
the earlier published data (Steacie E. W. R.,

Card 1/3

POLAND / Physical Chemistry. Thermodynamics, Thermo-  
chemistry, Equilibria, Physical-Chemical  
Analysis, Phase Transitions.

B

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60169.

Abstract: Johnson F. M., Proc. Roy. Soc., 1926, 112, 542).  
It is shown that oxygen dissolves in the form of  
 $\text{Ag}_2\text{O}$  observing Sivert's rule, and that the amount  
of gas dissolving in the metal is proportional to  
the square root of the pressure of that gas. The  
dependence curve of  $\text{Ag}_2\text{O}$  solubility on the temper-  
ature under the pressure of 1.0526 atm is computed.  
The curve passes through a minimum at  $400^\circ$ . The  
following is computed: the enthalpy of the transi-  
tion of  $\text{Ag}_2\text{O}$  into solid silver  $\Delta \bar{H} = 0.016681 T^2$   
cal, the residual entropy  $\Delta \bar{S}_r = \ln \gamma - RT(d \ln \gamma /$   
 $/dT)_p = 25.401351 + 0.03336173 T$  entropy units,  
and the residual chemical potential  $\Delta \mu_r = \Delta H -$

Card 2/3

POLAND / Physical Chemistry. Thermodynamics, Thermo- B  
chemistry, Equilibria, Physical-Chemical Analysis,  
Phase Transitions.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60169.

Abstract: -  $T\Delta S_r = RT \ln \gamma = 25.401351 T - 0.016681 T^2$ .

The dependence of the activity factor of  $Ag_2O$  on  
the temperature is expressed by the equation  
 $\lg \gamma (Ag_2O) = 5.55816 - 36.5 \cdot 10^{-4}T$ ;  $\gamma (Ag_2O)$  does  
not depend on the pressure.

Card 3/3

DOMANSKI, W

27  
 Solubility of oxygen in silver. Władysław Domański  
 (Zakład Metalii IPIPT, P.A.N., Kraków, Poland). *Acta  
 Metallurgica* 3, 81-86(1968)(English summary).—Solu. of O  
 in Ag is attributed to Ag<sub>2</sub>O formation. Thermodynamic  
 calens. are reported. Standard free energies of a reaction  
 $2Ag(solid) + \frac{1}{2}O_2(gas) \rightarrow Ag_2O(solid)$  and equil. const.  
 were computed within 473-1073°K. The equation  $\log f =$   
 $a + bT$  ( $f$  is activity coeff. of Ag<sub>2</sub>O) fits the data of Steacie  
 and Johnson (*C.A.* 21, 353). No addnl. assumption is  
 necessary to explain the min. on soly. isobars. An equation  
 is derived in which soly. is proportional to  $\sqrt{p}$ , where  $p$  is  
 O pressure (Sievert rule), no O dissocn. being assumed.  
 Ag<sub>2</sub>O<sub>2</sub> formation is improbable. J. Stecki

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Distr: 4E1j

18(6), 22(1)

P/039/60/000/03/003/017  
D010/D025

AUTHOR: Domański, Władysław. Professor, Master of Engineering

TITLE: More Important Scientific Investigations and Didactical Achievements of Mining and Metallurgical Academy and Lines of Development of This School in the Sphere of Metallurgy of Non -Ferrous Metals

PERIODICAL: Hutnik 1960, Nr 3, p 95 - 99

ABSTRACT: The development of higher education in Poland after WW II has also affected the Mining and Metallurgical Academy in Cracow. In 1939 the Chair of Non- Ferrous Metals Metallurgy consisted of only one scientific worker and the department head Professor Dr.A. Krupkowski. Since 1945 however, the number of scientific workers has been rising continuously. At present there is the department head, Professor Dr. A. Krupkowski, 4 extra-ordinary professors: Master of Engineering W. Domański, Dr. E. Iwanciw, Dr. W. Ptak, Dr.W. Truszkowski; one Docent, Master of Engineering J. Wantuchowski; four assistant-lecturers: Doctor of Engineering A. Block-Bolton, Master of Engineering T.

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P/039/60/000/03/003/017  
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More Important Scientific Investigations and Didactical Achievements  
of Mining and Metallurgical Academy and Lines of Development of  
This School in the Sphere of Metallurgy of Non-Ferrous Metals

Drwal, Master of Engineering Z. Szczygieł; two senior assistants Master of Engineering A. Dedo and Master of Engineering St. Koperski. The Chair of Non-ferrous Metals Metallurgy was formed within AGH before 1930. It was headed by Professor Sowiński, and after his death taken over temporarily by Doctor of Engineering W. Łoskiewicz who, aided by his coworkers, investigated precious metal brass and light metal alloys. After WW II he investigated the processing of light metal ores on a laboratory scale and reduction of magnesite by means of ferro-silicon. From December 1930 till 1939, and after WW II since 1945, the Chair was headed by Professor Drm A. Krupkowski, Member of the Polish Academy of Science. Before WW II Dr. Krupkowski himself and with his co-workers, published several fundamental papers dealing with his research findings: in

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More Important Scientific Investigations and Didactical Achievements  
of Mining and Metallurgical Academy and Lines of Development of  
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1935, together with Engineer J. Takliński he published an important paper on the reaction  $ZnO + C$  at elevated temperatures; in 1936 on reduction of metallic oxides by means of coal and coke; in 1937, together with Engineer M. Balicki, on new theory of recrystallization of compressed metals and with S. Balicki several papers on kinetics of liquid metals oxidation. After WW II, along with the existing section of Non-ferrous metals metallurgy, two new sections were formed 1) Non-ferrous Metals Ore Concentration Section and 2) Non-ferrous Metals Pressure Forming Section. Analysis of Ores was reorganized in 1957 into an independent Chair of Ores and Metals Chemistry. Since 1945, due to more scientific workers and apparatuses being available, there was a marked increase of scientific activities of the Chair, dealing with the theory

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of metallurgical processes, obtaining and refining of  
metals, theory of plastic deformation and economy alloys.  
At that time Professor Krupkowski published a monograph  
"Principles of Modern Metallurgy", followed by several  
papers published in collaboration with Professor Dr. W.  
Ptak and Professor Dr. A. Block-Bolten, on "Obtaining  
and Refining of Metals", and a monograph "Principles of  
Thermodynamics and its Application in metallurgy and Me-  
tal Science". Dr. Ptak is investigating problems of metals  
activity coefficient trends in liquid- and solid solid  
solutions of two or three components and definition of  
metal solution irregularities. Dr. A. Block-Bolton investi-  
gates problems of solutions composed of a metal and sil-  
phide and recently, while working with professor Flood  
at the University in Trondheim, he completed the research

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D010/D025

More Important Scientific Investigations and Didactical Achievements  
of Mining and Metallurgical Academy and Lines of Development of  
This School in the Sphere of Metallurgy of Non-Ferrous Metals

on "Equilibrium in Molten Salts" which will help to elucidate the structure of metallurgical slags. Dr. Domański published papers on "Metals Affinity towards Chlorine" and "Solubility of Gases in Metals"; together with Professor Krupkowski he published a manual "Zinc and Cadmium Metallurgy". Dr. Krupkowski and Master of Engineering H. Fik worked out a theory of zinc refining, thanks to which production of 99,999 % pure zinc could be produced on an industrial scale and 99,58 % pure cadmium. Both authors obtained two patents. Professor Dr. W. Truszkowski published several papers on "Range of Plastic Deformation of Metals" and together with Dr. Krupkowski they produced a simple method of determining an anisotropic coefficient, based on stretching test. Docent J. Wantuchowski published several papers deal-

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More Important Scientific Investigations and Dedactical Achievements  
of Mining and Metallurgical Academy and Lines of Development of  
This School in the Sphere of Metallurgy of Non-Ferrous Metals

ing with plastic phenomena during long duration metal stretching tests and together with Dr. Krupkowski he worked out a nomogram which could be used for calculation of stretched metal samples elongation. This nomogram is now included into Polish stretching standards. An entirely different sphere of activities is the production of so called economy alloys, known as Silicon-bronzes, worked out by Dr. Krupkowski and Professor Cz. Adamski. These alloys could replace more expensive tin-bronzes. For this work which, in the long run, will save millions of zloty, both scientists received a state prize and obtained a patent. The same scientists worked out another kind of alloy, a brass with lower than normal copper content. For this work again they received a state prize and secured a patent. Dr. Krupkowski was also

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More Important Scientific Investigations and Dedactical Achievements  
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This School in the Sphere of Metallurgy of Non-Ferrous Metals

awarded the 1-st class Banner of Labor Award and 1-st  
grade state prize. The Chair of Non-Ferrous Metals Metall-  
urgy maintains a lively contact with several metallurgical  
plants for whom they solve many vital practical problems.  
One of them was teaching personnel of Metallurgical Plant  
Im. 1-st May, how to make brass with low copper content.  
This specific job was carried out by a team led by Vice-  
minister Master of Engineering F. Kaim. Professor Krupkows-  
ki and Dr. Cz.Adamski. In the conclusion of his article  
the author outlines the program for future investigations  
which should be carried out by the Chair of Non-Ferrous  
Metals Metallurgy: 1) Further investigations on the theory  
of metallurgical processes, 2) complex processing of copper  
ores, 3) continuous reduction of zinc ores in shaft fur-  
naces, 4) rational methods of gas purification, 5) con-

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D010/D025

More Important Scientific Investigations and Dedactical Achievements  
of Mining and Metallurgical Academy and Lines of Development of  
This School in the Sphere of Metallurgy of Non-Ferrous Metals

centration of galman-ores, 6) cadmium rectification on  
industrial scale, 7) further research on economy-alloys,  
8) rare metals extraction from Polish raw materials. ✓

ASSOCIATION: Akademia Górniczo Hutnicza (Academy of Mining and Metallur-  
gy Cracow)

Card 8/8

DOMANSKI, W.

A Michurin Center was organized in the Sempelno region of State Forest, p. 48.  
(LAS POLSKI. Vol. 26, no. 3, Mar. 1952.

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954



DOMANSKI, W.

DOMANSKI, W. Remarks concerning finishing and building work. p. 29.

Vol. 29, no. 9, Sept. 1955

LAS POLSKI

AGRICULTURE

Poland

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

DOMANSKI, W.

DOMANSKI, W. We save forests by saving lumber. p. 20.

Vol. 29, no. 11, Nov. 1955

LAS FOLSKI  
AGRICULTURE  
Poland

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

DOMANSKI, W.

Means of cost reduction in the building industry. p. 57. (Budownictwo  
Przenyslowe, Vol. 5, No. 7/8, July/Aug 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

DOMANSKI, W.

Regarding the limitation in the use of lumber in building construction. p. 25  
Severance of an employment agreement during pregnancy and confinement. p. 26  
(Budownictwo Przemyslowe, Warszawa, Vol. 6, no. 4, Apr. 1957)

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

COUNTRY : POLAND  
CATEGORY : Forestry. Forest Biology and Typology. K  
ABS. JOUR. : RZhBiol., No. 3 1959, No. 10753  
AUTHOR : Domanski, W.  
INST. : -  
TITLE : Notes on Indicator Plants for Aspen and Its Requirements  
in Regard to the Conditions of Occurrence.  
ORIG. PUB. : Las polski, 1957, 31, No. 13, 8-9.  
ABSTRACT : On the basis of the author's practical observations, there  
is characterized a plant complex typical of the forest  
growing conditions favorable for green bark aspen (Poland).

CARD: 1/1

DOMANSKI, Wladyslaw

Closer and closer to the client; on the distribution of  
building material centers. Przem mat bud 9 no.29/30:7  
22 J1 '62.

ACA  
DOMANSKI, Z.

*Handwritten signature*

Uneven sheet glass as obtained by Fourcault's method.  
Zygmunt DOMANSKI. *Noble i Ceram.* 2 (2) 27 29 (1951) -11.  
discusses the reasons for the wavy appearance phenomenon in the  
sheet glass drawing process by Fourcault's method. The  
waviness is due to agglomeration of crystals, which form be-  
tween bridge and outside nozzle 3 figures A D I

DOMANSKI, Z.  
ACS

I

Foam glass. Z. Domanaki and L. Winogradow. *Szkło i Ceram.*, 2 (6) 134-37 (1951)  
Experimental result: are given on the production of foam glass, using tunnel kilns  
adequately, which are adaptable for industrial-scale production. A.D.I



BARENBOYV, G.M.; DOMANSKIY, A.N.

Interaction of biomolecules excited with oxygen. Report No.2.  
Extinction of X-ray fluorescence of tryptophan and tyrosine  
with oxygen and nitrous oxide. Biofizika 8 no.3:321-330 '63.  
(MIRA 17:11)

1. Institut tsitologii AN SSSR, Leningrad.

DOMANSKIY, B.I.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 497 - I

Call No.: TA165.D6

BOOK

Author: DOMANSKIY, B. I.

Full Title: INTRODUCTION TO AUTOMATIC CONTROL AND TELEAUTOMATICS

Transliterated Title: Vvedeniye v avtomatiku i telemekhaniku

PUBLISHING DATA

Originating Agency: None

Publishing House: State Power Engineering Publishing House

Date: 1950

No. pp.: 384

No. of copies: 7,000

Editorial Staff:

Editor: A. A. Voronov

Appraisers: B. S. Sotskov and Professors and Dotsents of the Leningrad Institute of Electrical Engineering im. V. I.

Ul'yanov (Lenin) A. V. Fateyev, D. V. Vasil'yev, A. V. Fremke, B. I. Aronovich, L. I. Bayda, D. S. Gektor, and R. I. Yurgenson

PURPOSE: This is a textbook on automation and remote control for power and electrical engineering institutions of higher education. It was approved by the Ministry of Higher Education of the USSR. It may also be of help for engineers in various branches of engineering who have to deal with automatic control systems.

TEXT DATA

Coverage: The book contains an exposition of the basic principles of

Vvedeniye v avtomatiku i telemekhaniku

AID 497 - I

automation and teleautomatic control. It discusses the application of automatic control for different purposes: production, transportation, communications, etc., and also for various industries. In particular, the book deals with the principles of automation of engineering processes which are analyzed in detail. Apparatus, installations and systems of automatic control, local and remote, automatic regulation, telemetering, etc., are analyzed with the help of integro-differential equations and graphs. The book contains numerous illustrations and examples. The author emphasizes difficulties in writing a general textbook in this field caused by the lack of established terminology and definitions in this comparatively young branch of science.

No. of References: 123, all Russian, of which 24 are 1930-1939, 99 are 1940-1950.

Facilities: Some names of Russian and Soviet scientists and engineers are given in the text.

2/2

DOMANSKIY, B. I.

Vvedenie v avtomatiku i telemekhaniku. Dopushcheno v kachestve ucheb. posobiia dlia vysshikh tekhn. ucheb. zavedenii. Leningrad, Gos. energ. izd-vo, 1950. 384 p., illus.

Bibliography: p. 380-382.

Title tr.: Introduction to telemechanics and automatic controls.

Approved as a textbook for schools of advanced technical studies.

TA165.D6

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.