

GASIMOV, F.G., assistant

Modern methods for the treatment of pulpitis. Vop. obshchei stom. 17:37-38 '64.

Treatment of pulpitis with the amputation method and the use of paste on calcium hydroxide basis. Ibid.:39-40

State of the dental root pulp following experimental amputation. Ibid.:41-44 (MIRA 18:11)

GASINS, L.

USSR/Forestry - Forest Crops.

K.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 68047

Author : Gasins, L.

Inst : Latvian Agricultural Academy.

Title : Research on the Afforestation of the Inchukalns Heath  
with Birch Trees.

Orig Pub : Tr. Latv. s.-kh. akad., 1957, No 6, 409-419.

Abstract : Since 1930 experiments have been carried on with the aim of afforesting the barren heath (1500 hectares in area) between Vangazh and Unchukalns stations (Riga-Pskov railroad) which developed because of numerous fires. The success of these crops is hindered by the soil's aridity and lack of fertility, the presence of an ortstein (iron pan) horizon, and several biotic factors. Belts of transplanted bearded birch (2-5 years old) died in the summer

Card 1/2

GASINSEAYA, S.A.

~~The use of mathematical statistics in analytical chemistry.  
S. A. Gasinskaya (U. V. Stalin State Inst., Moscow). Zashch.  
Khim. Pr. 7 (1951).—Further development of the  
method of Komar (C.A. 47, 5293d) is given. M. Hosh.~~

GASINSKI, J.

New apparatus for blood transfusion. Polski tygod. lek. 6 no.  
40:1313-1314 1 Oct. 1951. (CML 21:3)

1. Of the First Surgical Clinic (Head--Prof. Josef Gasinski,  
M. D.) of Silesian Medical Academy.

Excerpta Medica Sec 16 Cancer Vol. 2/3 March 54

1406. GASINSKI J. 1st surg. Clin., Silesian Acad. of Med., Zabrze *Cervical oesophago-gastric anastomosis after the removal of the oesophagus in cases of carcinoma of the upper third. Translocation of the mobilized stomach into the anterior mediastinum* Bull. int. Acad. Cracovie, Cl. Méd. 1952, 1-6 (21-30) Illus. 1

GASINSKI, Josef (Krakow, pl. Matejki 2)

Surgical treatment of peptic ulcer in Silesia. Polski tygod. lek.  
9 no.22:682-688 31 May 54.

I. Z I Kliniki Chirurgicznej Slaskiej A.M. w Zabrze, kierownik:  
prof. dr J.Gasinski.  
(PEPTIC ULCER, surgery,  
technics & statist.)

*GASINSKI, JOZEF*

FOREMNY, Zbigniew; ~~GASINSKI, Jozef~~; JAPA, Jozef; SYC, Stefan;  
KAZMIERCZAK, ~~Kazimierz~~

Cytodiagnosis of gastric cancer. Polski tygod. lek. 9 no.49:  
1588-1590 6 Dec 54.

1. Z I Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej w  
Zabrzu; kierownik: prof. dr Jozef Japa, z Zakładu Radiologii  
Lekarskiej Śląskiej Akademii Medycznej w Zabrzu; kierownik: prof.  
dr Stanisław Januszkiewicz i z Kliniki Medycznej w Zabrzu; kierownik:  
prof. dr Stanisław Januszkiewicz i z Kliniki Chirurgicznej Śląskiej  
Akademii Medycznej w Zabrzu; kierownik: dr Jozef Gasinski.  
(STOMACH, neoplasma,  
diag., cytol.)

GASINSKI, Jozef

Surgical procedures in cases of cardiospasm. Polski tygod. lek. 10  
no.3:80-84 17 Jan 55

1. Z I Kliniki Chirurgicznej Slaskiej Akademii Medycznej w Zabrze;  
kierownik prof. dr J.Gasinski.  
(CARDIOSPASM, surgery,)



*GASINSKI, JOZEF*

GASINSKI, Jozef

Stricture of the esophageo-intestinal anastomosis as complication after complete gastrectomy. Polski tygod. lek. 10 no.8:225-227  
21 Feb 55.

1. Z I klin. chir. Sl.Akad. Med. w Zabrze; kier. prof. dr J.Gasinski.  
(STOMACH, surgery  
gastrectomy, postop. stricture of esophageo-intestinal anastomosis.)  
(ESOPHAGUS, diseases  
esophageo-intestinal stricture of anastomosis after gastrectomy)  
(INTESTINES, diseases  
esophageo-intestinal stricture of anastomosis after gastrectomy)

GASINSKI, Jozef

Esophageal surgery according to 121 cases. Polski tygod. lek.  
10 no.39:1269-1273 26 Sept 55.

1. Z I Kliniki Chirurgicznej Slaskiej A.M. w Zabrze; Kier: prof.  
dr. J. Gasinski, Zabrze, II Klinika Chirurgiczna A.M..  
(ESOPHAGUS, surgery)

GASINSKI, Josef.

New method of formation of anastomosis of the esophagus and small intestine; formation of artificial stomach and its anastomosis with the duodenum. *Polski tygod. lek.* 10 no. 47: 1544-1548 21 Nov. '55.

1. Z I<sup>1</sup> Kliniki Chirurgicznej Slaskiej Akademii Medycznej w Zabrzu; kierownik: prof. dr J. Gasinski. Zabrze, II Klinika Chirurgiczna Sl. A.M.

(ESOPHAGUS, surgery,  
esophageoduodenostomy)

(DUODENUM, surgery,  
esophageoduodenostomy)

GASINSKI, J.; JAPA, J.; FOREMNY, Z.; KAZMIERCZAK, K.

Function of the so-called artificial stomach. Polski tygod. lek.  
11 no.12:544-547 19 Mar 56.

I. Z I Kliniki Chorob Wewnetrznych; kier.; prof. dr. J. Japa; z II  
Kliniki Chirurgicznej; kier.: prof. dr. J. Gasinski i z Zakladu  
Radiologii Lekarskiej Slaskiej A.M.; kier.: prof. dr.  
S. Januszkiewicz. Zabrze, II Kl. Chir. Slaskiej A.M. ul 3-go Maja 13.  
(STOMACH, surgery,  
gastrectomy with form. of artif. stomach from intestinal  
loop (Pol))

GASINSKI, Jozef

Hypertrophy of the esophageal muscles and cardiospasm.  
Polski tygod. lek. 11 no.44:1867-1871 29 Oct 56.

1. (Z II Kliniki Chirurgicznej Slaskiej A.M. w Zabrze; kierownik:  
prof. Jozef Gasinski) adres: Krakow, Pl. Matejki 2.

(CARDIOSPASM, pathology,

hypertrophy of esophageal musc. (Pol))

(ESOPHAGUS, diseases,

hypertrophy of esophageal musc. in cardiospasm (Pol))

GASINSKI, Józef (Kraków, ul. Matajki 2.)

50 cases of total gastrectomy. Polski tygod. lek. 13 no.17:627-631  
28 Apr 58

1. (Z II Kliniki Chirurgicznej Slaskiej Akademii Medycznej w Zabrze;  
kierownik: prof. dr J. Gasinski)  
(GASTRECTOMY,  
total, statist. analysis (Pol))

MIKULOWSKI, Włodzimierz, GASINSKI, Jozef

Contribution to the clinical aspects of Wilm's tumors in children.  
Polski przegl. chir. 30 no.3:277-280 Mr '58

1. Z Kliniki Dziecięcej A.M. w Krakowie Kierownik: prof. dr T. Giza  
Ordynator Oddz. Obserw.; prof. dr W. Mikulowski i z II Kliniki Chirurg.  
Slask., A.M. Zabrze Kierownik: prof. dr J. Gasinski.  
(NEPHROBLASTOMA, in inf. & child  
diag. & surg., case report (Pol))

GASINSKI, Jozef; GREGORCZYK, Karol

Ligation of the internal mammary arteries in the treatment of coronary disease. Polski tygod. lek. 14 no.22:993-996 1 June 59.

1. (Z II Kliniki Chirurgicznej Sl. A. M. w Zabrze; kierownik: prof. dr Jozef Gasinski i z I Kliniki Chorob Wewnetrznych Sl. A. M.; kierownik: prof. dr Jozef Japa) Otrzymano: 28.I.1959; adres: Zabrze, ul. 3 Maja 13/15 II Klin. Chirurg. A.M.

(CORONARY DISEASES, surg.

ligation of internal mammary arteries (Pol))

(ARTERIES, SUBCLAVIAN, surg.

ligation of internal mammary arteries in coronary dis. (Pol))



GASINSKI, Jozef; GINKO, Tadeusz

Cancer of the stomach. Polski przegl. chir. 33 no.7/9:704-705.'61.

1. Z II Kliniki Chirurgicznej Sl. AM w Zabrze Kierownik: prof. dr.  
J. Gasinski.

(STOMACH NEOPLASMS surg)

GASINSKI, Jozef

Our method of total gastrectomy. Polski przegl. chir. 34 no.2:  
143-147 '62.

1. Z II Kliniki Chirurgicznej Slaskiej AM w Zabrze Kierownik:  
prof. dr J. Gasinski.  
(GASTRECTOMY)

GASINSKI, Jozef

Experimental single stage right pneumonectomy and plastic surgery  
of the superior vena cava in dogs. Cas. lek. cesk. 101 no.23:715-718  
8 Je '62.

1. II chirurgická klinika Slezské lékařské akademie v Zabrzu, přednosta  
prof. dr. J. Gasinski.

(VENAE CAVAE surg) (PNEUMONECTOMY exper)

GASINSKI, Jozef

A new method for the surgical treatment of phimosis. Pol. przegl.  
chir. 34 no.1:51-54 '62.

1. Z II Kliniki Chirurgicznej Slaskiej AM w Zabrze Kierownik: prof.  
dr. J. Gasinski.  
(PHIMOSIS surg)

POLAND

GREGORCZYK, Karol, KARDASZEWICZ, Ewa, and GASINSKI, Jozef;  
First Clinic of Internal Diseases (I Klinika Chorob Wewnetrz-  
nych) (Director: Prof. Dr. J. JAPA) and Second Surgical Clinic  
(II Klinika Chirurgiczna) (Director: Prof. Dr. J. GASINSKI),  
Sl.AM [Slaska Akademia Medyczna, Silesian Medical Academy] in  
Katowice

"Tumor of Small Intestine Causing Hemorrhages in Patient with  
Cirrhosis of Liver. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 30, 22 Jul 63,  
pp 1107-1108

Abstract: [Authors' English summary] Authors discuss the dif-  
ficulties in the diagnosis of tumors of the small intestine,  
and report a case of patient with congenital heart defect and  
liver cirrhosis, where severe massive bleedings from the  
gastro-intestinal tract were caused by a tumor of the small-  
intestine. After successful surgical removal of the tumor  
(leiomyoma), hemorrhages from the lower part of the small in-  
testine ceased. There are 13 references, of which three (3)  
are in English and ten (10) in Polish.

1/1

GASINSKI, Jozef; ADAMCZYK, Roman; TOBIK, Stanislaw

Notes on retrosternal goiter. Polski przegl. chir. 35 no.9:  
942-944 '63.

Prevention of recurrences of goiter.                      947-948

I. Z II Kliniki Chirurgicznej Sl. AM w Zabrze. Kierownik:  
prof. dr. J.Gasinski.

GASINSKI, Jozef; NARBUTT, Boleslaw.

Pre-and postoperative adrenocortical function in Cushing's disease. Polski przegl. chir. 35 no.9:992-993 '63.

1. Z II Kliniki Chirurgicznej Sl. AM (kierownik: prof. dr. J.Gasinski) i Zakladu Patologii Ogolnej Sl. AM (kierownik: doc.dr. B.Narbutt) oraz Poradni Endokrynologicznej PSKI w Zabrze.

\*

GASINSKI, Jozef

Simultaneous right pneumectomy and upper aortoplasty under experimental conditions in dogs. Pol. przegl. chir. 35 no.10/11:1173-1174 '63.

1. Z II Kliniki Chirurgicznej Sl. AM w Zabrze Kierownik: prof. dr J. Gasinski.

(PNEUMECTOMY) (AORTA, THORACIC)  
(BLOOD VESSEL TRANSPLANTATION)  
(BLOOD VESSEL PROSTHESIS)



GASINSKI, Jozef

Longitudinal section of the muscular layer of the entire thoracic esophagus in the treatment of cardiospasm. Pol. przegl. chir. 36 no.3:281-286 Mr '64.

1. Z II Kliniki Chirurgicznej Akademii Medycznej w Zabrze (Kierownik: prof. dr J. Gasinski).

GASINSKI, Marian, mgr inz.

Production of naphthalene and benzene by the zone crystallization  
method. Chemik 16 no.6:144-145 Je '63.

GASINSKI, Marian; WISZNIOWSKI, Kazimierz

Short outlines on monomethylnaphthalenes. Koks 9 no.2:62-68  
Mr-Apr '64.

1. Institute of Chemical Coal Processing, Zabrze.

GASINSKI, Marian

Device for cork drilling and grinding. Koks 8 no. 6:225 D '64.

GASIOR, E.; OBOJSKA, K.

Preparation of bacterial extracts for enzymatic studies. Postępy biochem.  
3 no.3-4:309-334 1957.

(BACTERIA, extracts,  
prep. for enzymatic studies, review (Pol))  
(ENZYMES, determination,  
prep. of bact. extracts, review (Pol))

GASIOR, E.  
GASIOR, E.

Application of aliphatic amines to the elution of amino acids from cationic exchange resins with sulfonic and phenolic functional groups. Acta biochim. volon 4 no.3:181-186 1957.

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej w Lublinie Kierownik Zakladu: prof. dr J. Opienska-Blauth.

(AMINO ACIDS, determ.

column chromatography with cationic exchange resins having sulfonic & phenolic funct. groups, elution of amino acids by aliphatic amines (Pol))

GASIOR, E.

Aspartic acid-glutamic acid transaminase in *Mycobacterium phlei*. Acta  
physiol. polon. 8 no.3:331-332 1957.

1. Z Zakładu Chemii Fizjologicznej A. M. w Lublinie. Kierownik: prof.  
dr J. Opienska-Blauth.

(MYCOBACTERIUM, metabolism,  
phlei, transaminases (Pol))  
(TRANSAMINASES,  
Mycobact. phlei (Pol))

GASIOR, E.

Use of aliphatic amines in elution of arginine and of other acids from ion-exchange resins. Acta physiol. polon, 8 no.3:333 1957.

1. Z Zakladu Chemii Fizjologicznej A. M w Lublinie Kierownik: prof. dr J. Opienska-Blauth.

(AMINES,

aliphatic, in elution of arginine & other amino acids from ion-exchange resins (Pol))

(ARGININE, determination,

elution in ion-exchange resins with aliphatic amines (Pol))

(AMINO ACIDS, determination,

same)

(ION EXCHANGE RESINS,

elution of arginine & other amino acids with aliphatic amines (Pol))



Encl. 1, 2, 3, 4, 5.

The use of Amberlite, sulfonated carbon, and of synthetic ion-exchange resins for dialyzing biological fluids. p. 2-4.

OGNIE BIOL. I. W. (Polska Akademia Nauk, Komitet Biochemiczny)  
Warszawa, Poland. Vol. 5, no. 4, 1958.

Monthly List of West European Accessions (1961) IC, Vol. C, no. 7/1962.

July

Encl.

S/137/62/000/002/070/1:  
A006/A101

AUTHORS: Smialowski, M., Gasior, E.

TITLE: The effect of hydrogen on the properties of steel

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 31, abstract 21187  
("Prace Inst. huth.", 1961, v. 13, no. 2, 89 - 103, Polish; Russian,  
English summary)

TEXT: On the basis of literature data a Fe-H phase diagram is presented for 1 atm H pressure and the effect of H on the mechanical properties of steel and corrosion-crack sensitivity is analyzed. A separate investigation is made of the effect of H on the properties of austenite steels. Existing hypotheses on hydrogen brittleness are exposed. A particularly detailed analysis is made of inhibited failure. There are 71 references.

M. Shapiro

[Abstracter's note: Complete translation]

Card 1/1

S/137/62/000/004/114/201  
A052/A101

18 8300

AUTHOR: Gasior, E.

TITLE: The effect of Al and Si on the scale resistance of 1H13 and H17 steels (1X15) (217)

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 52, abstract 4I308 ("Prace Inst. hutn.", 13, no. 3, 1961, 147 - 151, Polish; Russian, English summaries) Referativnyy zhurnal, Khimiya, no. 4, 1962, 347, abstract II I 137

TEXT: The effect of Al and Si additions on the rate of oxidation of 1H13 and H17 steels in the air at high temperatures was investigated. The additions of these elements have a positive effect on steel but, beginning from certain temperatures, a non-uniform oxidation is observed in steels containing Al and Si and oxide "growths" are formed. The temperatures at which the growths do not yet form, and oxidation takes a slow and uniform course, are a little higher for steels containing Si or Al than for Cr-steels without these additions. Al and Si can be partly replaced by Cr. B

T. Rumyantseva

[Abstracter's note: Complete translation]

Card 1/1

S/081/62/000/011/026/057  
E071/E192

AUTHOR: Gasior, E.

TITLE: Influence of alloying additions of aluminium and silicon on heat resistance of steels 1X13 (1Kh13) and X17 (Kh17).

PERIODICAL: Referativnyy zhurnal, Khimiya, no.11, 1962, 347, abstract 11 I 137. (Prace Inst. hutn., v.13, no.3, 1961, 147-151). (Polish, abstracts in Russian and English).

TEXT: The influence of additions of Al and Si on heat resistance of chromium steels 1Kh13 and Kh17 was investigated. Heat resistance was determined by weight losses of specimens submitted to the action of air at an elevated temperature for 120 hours. Descaling was done by pickling in a melt of NaOH and NaNO<sub>3</sub> (80:20) at 400 °C for 1-2 minutes with subsequent treatment in a 20% sulphuric acid solution containing a corrosion inhibitor, at 60 °C for about 5 minutes. It was established that both aluminium and silicon have a beneficial influence on  
Card 1/2

Influence of alloying additions ...

S/081/62/000/011/026/057  
E071/E192

heat resistance of chromium steels and thus can, to some extent, replace part of the chromium in these steels. The oxidation of steels as a rule is uniform, however, beginning from a temperature, characteristic for each steel and depending on the amount of aluminium and silicon added; a non-uniform oxidation with the formation of surface growths takes place.

[Abstractor's note: Complete translation.]

Card 2/2

S/137/62/000/010/017/028  
A052/A101

AUTHOR: Gasior, E.

TITLE: Investigations into the method of determining the heat-resistance of steel

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 10, 1962, 107, abstract 101719 ("Prace Inst. hutn.", v. 13, no. 4, 1961, 205 - 210, Polish; summaries in Russian and English)

TEXT: Methods of investigating the heat-resistance of materials based on the data of determining the rate of evaporation and oxidation of samples at a high temperature are analyzed. The importance is pointed out of qualitative methods, describing the state of the surface, the non-uniformity of evaporation and oxidation of samples, and of quantitative methods, determining the loss of mass of the samples and the amount of scale, forming during oxidation, and gases. The results are reported of investigations of 1X13 steel by the inflection of the curve representing the rate of evaporation as a function of the holding time at different temperatures within 800 - 1,500°C range ("thermal scales" method),

Card 1/2

S/137/62/000/010/017/028  
A052/A101

Investigations into the method of...

and by the loss of weight of the samples after the removal of scale formed in the process of heating to a set temperature ("German" method). The investigation by the first method was carried out on round samples with the lateral surface of  $14 \text{ cm}^2$ , and by the second method on flat samples with the area of  $32 \text{ cm}^2$ . The results obtained enabled one to determine the kinetic parameter  $K_p$  (equilibrium constant) of the oxidation process. Curves of the increase of mass of the samples at oxidation in the air and of  $\log K_p$  plotted against temperature are presented. It is found that 1X13 steel can be used as a heat-resisting one up to  $750^\circ\text{C}$ . Recommendations for the laboratory determination of the range of steel heat-resistance are given. There are 20 references.

A. Aleksandrov

[Abstracter's note: Complete translation]

Card 2/2

S/123/62/000/018/003/012  
A006/A101

AUTHOR: Gasior, <sup>E.</sup>Ye.

TITLE: The rate and mechanism of oxidizing chrome-molybdenum steel

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye; no. 18, 1962, 17,  
abstract 18A98 ("Prace inst. hutn.", 1961 (1962) v. 13, no. 6,  
323 - 333; Polish; summaries in Russian and English)

TEXT: The author established the temperature limits of using chrome-  
-molybdenum steel (2.25% Cr, 1% Mo) in air atmosphere as a heat resistance ma-  
terial. Scale formation kinetics were studied at 500 - 725°C during holding for  
1000 hours. The investigations show that the aforementioned steel can be used  
at temperatures up to 600°C.. ✓

[Abstracter's note: Complete translation]

Card 1/1



GASIOR, Eugeniusz

Activation of amino acids in Mycobacterium phlei.. Ann. Univ., Lublin  
sect.D 16:163-181 '61.

1. Z Katedry i Zakładu Chemii Fizjologicznej Wydziału Lekarskiego  
Akademii Medycznej w Lublinie Kierownik: prof. dr Janina Opienska-  
Blauth.

(AMINO ACIDS) (MYCOBACTERIUM)

GACIOR, Eugeniusz, mgr., inz.

The importance of zincifying in fighting steel corrosion.  
Wiad hutn 18 no.3:87-91 Mr '62.

POLAND

GASIOR, E. and SZYMONA, M., Chair of Physiological Chemistry (Katedra Chemii Fizjologicznej), the AM [Akademia Medyczna, Medical Academy] in Lublin

"Comparative Study of Low and High Molecular Polyphosphates in Relation to the Inorganic Polyphosphate Hexokinase."

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Biologiques, Vol 11, No 5, 65, pp 231-236.

Abstract: [English article, authors' English summary] Mycobacterial hexokinase utilizes penta- (possibly also tetra-) and all higher polyphosphates. The degree of utilization is a function of the chain length, while the rate depends primarily on the concentration of the terminal phosphate groups. Experimental data point to the fact that the reaction proceeds stepwise from the end of the chain and that tripolyphosphate is the ultimate product. There are eight (3) references, of which one (1) each are in Polish and English, two (2) in French, and the others in the German language.

1/1

C  
1951 (ASUR) R.

Effect of heat-treatment on the rate of stress corrosion of soft steel in a solution of ammonium nitrate. M. Sniadkowski, E. Gasior, and C. Bieniossek. *Prace Glów. Inst. Met.* 3, No. 1, 17-22(1951).—The heat-treatment in these expts. comprises hardening from 910° in cold water followed by re-heating for 3-60 min. at 200-800° and finished by cooling in cold H<sub>2</sub>O or oil. The heating of samples at temps. 200-400° was in air; for higher temps. appropriate salt baths were used. After the heat-treatment, the specimens were etched for 5 min. in 20% H<sub>2</sub>SO<sub>4</sub> at 65° and then rinsed in hot water, 10% Na<sub>2</sub>CO<sub>3</sub>, hot water, and MeOH, and finally dried in warm air. Two specimens of each kind were tested for tensile strength and the others were subjected to a stress of 80% of tensile strength value in a soln. of 40% NH<sub>4</sub>NO<sub>3</sub> at 98° ± 1°. Specimens hardened in H<sub>2</sub>O from 910° and left unannealed (I) or annealed at 200° (II) were susceptible to cracking. Equally susceptible to cracking were specimens annealed at 750° and then water-cooled. Most resistant were specimens annealed at 150° (III). High resistance to cracking but not as high as the preceding, had specimens hardened in H<sub>2</sub>O from 800°. Of the specimens hardened in H<sub>2</sub>O in 910°, then reheated, and cooled in oil, most susceptible to cracking were those reheated to 800°. The corrosive effect of NH<sub>4</sub>NO<sub>3</sub> was least noticeable in specimens hardened in oil from 850° (IV). The low resistance of I and II is ascribed to structural microstrains induced by martensite sepn. The high resistance of III and IV is attributed to the fact that under these conditions the cementite seps. in submicroscopic formations and therefore does not weaken the structure. Heating steel at temps. near A<sub>1</sub> causes coagulation of cementite along the sides of ferrite grains, thereby materially weakening the structure. Such is the case in specimens water-cooled from 750° or oil-cooled from 800°. Thus, there exists a relationship between the appearance of cementite in steel and the susceptibility of the latter to corrosion. Since cementite is cathodic in relation to ferrite, therefore intercryst. corrosion cannot be attributed to the soln. of Fe<sub>3</sub>C. It was shown experimentally that cementite is more resistant to NH<sub>4</sub>NO<sub>3</sub> than ferrite. M. Hosh.

M GARDNER, E

45

\*Methods and Apparatus for Testing the Resistance of Metals to Stress-Corrosion. E. Gasiot (Prace Glownego Inst. Met., 1951, 2, (3), 241-250).—[In Polish]. Const. load and const.-strain methods of testing the resistance of metals to stress-corrosion are reviewed. The former are characterized by rapid fracture of the specimen and small scatter of results. A modification of Brenner's method, (Vorträge der Hauptversammlung 1934 Deut. Ges. Metallkunde, 1934, 23; M.A., 2, 245), in which a const. bending load is applied to the specimen, has been experimentally compared with Smialowski's method, employing a const. tensile load. Steel specimens of compn. C 0-1, Mn 0-41, Si 0-15, Cu 0-12, P 0-036, Al 0-034, and S 0-025%, were soaked for 30 min. at 110° C., quenched in water, and subjected to tests in 40% aq. NH<sub>4</sub>NO<sub>3</sub> soln., at 90°-100° C. Smialowski's method requires a smaller number of tests of shorter duration with loads up to 80% U.T.S., and gives a smaller scatter of results than B.'s method. It is therefore preferred. 28 ref.—A. G.

uprav. 1952

POL.

Coating of steel by aluminium diffusion. E. Gasior (*Proc Inst. Metall. Technol.*, 1954, B, 200-209).—The properties of Fe-Al coatings on steel, their behaviour at high temp., various methods of coating and the formation mechanism of Al-diffusion layers are reviewed. Experiments are carried out to determine the relation between time and temp. of "alutising" treatment (heating steel in Al powder) and resulting thickness of Al-diffusion coating. The effects of the process on the behaviour of steel specimens at high temp. are examined, and some examples of aluminising methods are given. The application of Al-diffusion coatings to substitute resistance wires for thermoelectric elements, and the resistance of "alutised" steel rods and wires to atmospheric corrosion under varying conditions are discussed and illustrated by examples. (28 references.)

L. S.

Inst. Met., Gliwice, Poland.

GASTOR E.

1 \*The Chromizing of Steel. E. Gastor (Proc Inst. Minist.   
 Metals, 1955, 7, (1), 1-10). [In Polish]. The indust. develop-   
 ment of diffused Cr protective coatings is described, together

with the theory of the chromizing process, and the properties   
 of the resultant coating. (1. used a chromizing medium   
 consisting of 60% Cr (particle size ~0.4 mm), 37% Al<sub>2</sub>O<sub>3</sub>   
 (particle size ~0.5 mm), and 3% NH<sub>4</sub>Cl. At 1000° C., the   
 thickness of the coating increases rapidly to 0.3 mm. after   
 8 hr., but the rate of growth subsequently decreases. At   
 900° C., a layer 0.75 mm. thick is obtained after 32 hr. The   
 data do not seem to follow a consistent linear or parabolic   
 form, and are very sensitive to temp. (The portion of the   
 specimen not etched by 4% nital was taken as a measure of   
 coating thickness; the thickness was uneven, especially in the   
 case of thin coatings). The chromized specimens were   
 examined for porosity and resistance to various corrosive   
 media. Porosity was tested by immersion in 30% HNO<sub>3</sub>,   
 followed by dipping in CuSO<sub>4</sub>; Cu deposited on any exposed   
 steel base. Resistance to corrosion by salt-spray was shown   
 to be ~7 times that of uncoated 0.1% C steel. However,   
 a SO<sub>2</sub> atmosphere or 15% H<sub>2</sub>SO<sub>4</sub> produced accelerated cor-

1/2

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*E. Yasin*

Resistance to 30% HNO<sub>3</sub> is increased considerably. The thickness of coating did not appear to have much effect in the corrosion tests. In high-temp. oxidation experiments at 900° C., an increase in thickness from 0.03 to 0.05 mm. delayed extensive oxidation from 20 to 300 hr., but subsequent oxidation proceeded at a rate comparable to that of the base material. Coatings exceeding 0.176 mm. in thickness did not oxidize in air at 800° C. after an exposure exceeding 1600 hr. Chromized steels are considered heat-resistant when the coating is 0.071 mm. and the temp. of service does not exceed 800° C. The chromizing process described uses only a small amount of Cr and the coating contains an average of 20-22% Cr. The mixture can be used several times and regenerated by addn. of NH<sub>4</sub>Cl.—W. E.

*3/2*

*W. E.*



GASIOR, E.

033

*Notes* Diffusion coating of steel and zinc. E. Gasior (Proc Inst. Minist. Metall., 1955, 7, 157--163).--A review of the established industrial processes (with some historical background) of coating steel with Cr and Al and of Zn with Cr with reference to factors affecting the protective power of the coatings. S. Krol.

*of*  
*LPH*

F. GASIOR

✓ 7364\* (Polish.) Pickling <sup>18</sup> Steel in Salt Baths. Wytrawianie <sup>18</sup>  
stali w stopionych solach. F. Gasior, Wiadomości Hutnicze,  
v. 12, Dec. 1956, p. 367-370  
Discussion of the pickling reaction in salt baths. Description of  
installation and equipment. *1*

*RS* *ny*

GASIOR, E.

16 18 5  
Pickling of PH13 with fused salts. E. Kaspar. Trans. Am. Electrochem. Soc. 9, 61-64 (1957).--A scale consisting of  $Cr_2O_3$  and  $Fe_2O_3$  is formed during annealing of stainless, acid-resistant steel (PH13) (Cr 12-14, Ni 9-12 max., and Mn 0.6). This scale was removed in a fused-salt bath at  $700^\circ$  consisting of 60-65 NaOH and 10-40%  $NaNO_2$  (6 to 20 min.); followed by a cold acid bath of 10% HCl (15 min.). The fused salts leach out  $Cr_2O_3$  to form  $Na_2CrO_4$  and oxidize lower Fe oxides which then become easily sol. in acids.  
R. S. Lubomirski

just for  
analysis

GASIOR, Eugeniusz, mgr inz.

Certain disadvantageous phenomena caused by hydrogen present in steel products. Hutnik P 29 no.4:127-128 Ap '62.

1. Instytut Metalurgii Żelaza, Gliwice.

GASIOR, Eugeniusz; SOCHA, Bożena; BOCHYNSKA, Teresa

Application of dialysis in the presence of cation exchanger for isolation of free intracellular aminoacids in bacteria. Chem anal 8 no.2:289-292 '63.

1. Katedra Chemii Fizjologicznej, Akademia Medyczna, Lublin.

S/081/63/000/002/062/088  
B162/B102

AUTHORS: Gasior, Jerzy, Zimnioki, Jan

TITLE: Obtaining diethylamide 2-amino-1-methoxy-4-benzenesulfo-acid

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 409, abstract  
2N65 (Pol. patent 45652, April 17, 1962)

TEXT: 1500 parts of 4.6% solution of  $\text{CH}_3\text{ONa}$  and 350.2 parts of dry Na-salt of 1-chlor-2-nitro-4-benzenesulfo-acid are boiled and stirred for 20 hours. The Na-salt of 2-nitro-1-methoxy-4-benzenesulfo-acid (acid I) thus formed is filtered, dried, added to 850 parts of  $\text{ClSO}_2\text{OH}$  at 25 - 30°C, mixed for 20 hours, poured out onto ice, and acid chloride I is filtered off. The latter, while not dried, is condensed with 84 parts of  $(\text{C}_2\text{H}_5)_2\text{NH}$  at ~20°C. The mixture is acidified with HCl, the diethylamide I is filtered off and 500 parts of ~22% solution of NaSH with pH < 10 and at 45 - 50°C are restored. The mass is diluted with 2 l of water, 350 parts of 60%  $\text{H}_2\text{SO}_4$  are added, it is heated to 90°C, ~5 parts of activated C. are added, it

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Obtaining diethylamide...

S/081/63/000/002/062/088  
B162/B102

is filtered, and the filtrate is neutralized with  $\text{Na}_2\text{CO}_3$ . Diethylamide I is obtained in a sufficiently pure state to be used as a base in the synthesis of a dye of naphtho-allonic ITR; the total yield of diethylamide I is ~60%. [Abstracter's note: Complete translation.]

Card 2/2

GASIOR, Jerzy, mgr inz.; ROSTOWSKI, Zdzislaw, mgr inz.

Boruta Works, the cradle of the Polish dyestuff industry.  
Chemik 16 no.9:269-272 S '63.



31478  
P/046/61/006/012/001/002  
D204/D301

21.4200

AUTHORS: Gasior, Marian, Mikulski, Jan and Stroński, Ignacy

TITLE: Radiochemical separations of U-Th, Th-rare earth elements and Th-Pa-U on small ion-exchange columns

PERIODICAL: Nukleonika, v.6, no. 12, 1961, 757-764

TEXT: The present paper which is a continuation of work on methods of obtaining carrier-free radioisotopes for nuclear spectroscopy, is ultimately aimed at the separation of carrier-

free <sup>231</sup>Pa from U, and Th. The isotopes <sup>238</sup>U, <sup>234</sup>Th, <sup>233</sup>Pa, <sup>169</sup>Yb and <sup>171</sup>Lu were used. The separation of U and Th and the preparation of the carrier-free <sup>234</sup>Th (UX<sub>1</sub>) was carried out on 2 glass columns: one 100 mm long and 2 mm in diameter, filled

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Radiochemical separations ...

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P/046/61/006/012/001/002  
D204/D301

with the cationite KU-2 and the other, 100 mm long and 2.8 mm in diameter, containing the cationite Wofatite F. The ionites were first rinsed with 3N HCl and washed with water and 0.1 - 0.16 ml of 0.8M uranyl nitrate was then introduced into the columns. It was found that the uranyl ions were best eluted from the KU-2 and Wofatite F resins by 2.2N and 2N HCl respectively. After rinsing the columns with water, the carrier-free  $UX_1$  isotope could subsequently be washed out from KU-2 by 0.2M and from Wofatite F by 0.3M ammonium citrate solutions. Sharp separations were obtained owing to the strong adsorption of  $UX_1$  on the cationites. Variations of the method are briefly described. Mixtures of  $^{171}Lu$  or  $^{169}Yb$  and  $UX_1$  were adsorbed on

Wofatite F from 0.1M ammonium lactate and were washed out with greater concentrations of the above solution. It was found that the lanthanides were best desorbed by 0.29M ammonium lactate of pH 4.6, while the thorium could be eluted with a 1 M solution.

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Radiochemical separations ...

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P/046/61/006/012/001/002  
D204/D301

of the same reagent. Separation of Yb and Th on KU-2 proved unsuccessful. The study of the sorption and desorption of  $UO_2(II)$ , Pa (V) and Th (IV) from 11.7 N HCl, on the Cl-form of an alkaline anionite ASD-2, showed that the Th ions were not adsorbed on the ionite, Pa was adsorbed and readily desorbed by 9 N HCl/1 N HF and the  $UO_2$  ions were adsorbed but could not be eluted with the above mixture of acids. Good separations of  $UO_2$ , Th and Pa were obtained, eluting the uranyl ions with 0.1 M HCl. The separations were followed in all cases by evaporating the effluents to dryness and measuring the activity of the solid residues and they proved to be well reproducible. The authors extend their gratitude to Jan Kwaśnik for technical assistance. There are 4 figures and 13 references: 6 Soviet-bloc and 7 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: J. van R. Smit, M. Peisach, F.W. Strelow, Proc. Sec. Intern. Conf., Geneva 20, 62, (1958); K.A. Kraus, G.E. Moore, F. Nelson, J. Am. Chem. Soc., 78, 2692 (1956); J. Danon,

Card 3/4

Radiochemical separations ...

31478  
P/046/61/006/012/001/002  
D204D301

J. Inorg.Nucl.Chem. 5, 237, (1958); E.K. Hyde, Proc.Intern.  
Conf., Geneva, 1955, 7, 281, (1956)

ASSOCIATION: Polish Academy of Sciences, Institute of Nuclear  
Physics, Cracow, Laboratory of Chemistry and  
Radiochemistry

SUBMITTED: September, 1961

Card 4/4

GASIOR, Marian; PRZYBYLOWICZ, Zbigniew [translator]

"Energy of the atom" by K. Gladkow. Translated by Zbigniew  
Przybylowicz. Reviewed by Marian Gasior. Postepy fizyki 14 no.1:  
115 '63.

GARBINSKI, Tadeusz; GASIOR, Stanislaw; POMIANOWSKA, Emilia; ZWOLINSKI, Jerzy

Effect of hyaluronidase on physical properties of aerosols.  
Gruzlica 27 no.6:477-482 June 59.

1. Z Kliniki Gruzlicy A. M. we Wroclawiu Kierownik: prof. dr  
T. Garbinski i z Zakladu Fizyki A. M. we Wroclawiu.  
(HYALURONIDASE, pharmacol.) (ISONIAZID, pharmacol.)  
(AEROSOLS, pharmacol.)

WESOŁOWSKI, Jan; GASIOR, Stanisław; MICHALSKI, Kazimierz; STEPNIENSKI,  
Waldemar

Measurements of the Alpha radioactivity in the air in certain  
localities of the Lower Silesia Province. Nukleonika 6 no.12:801-  
812 '61.

1. Uniwersytet, Wrocław, Katedra Fizyki Doswiadczałnej i Akademia  
Medyczna, Wrocław, Katedra Fizyki.

L 18334-65 EWT(1)/EWG(k)/EPA(w)-2/EEC(t)/EEC(b)-2 Pz-6/Pab-10 IJP(c)/AS(mp)-2/  
ASD(a)-5/AFWL/ESD(gs)/ESD(t) AT  
ACCESSION NR: AP4045519 P/0045/63/024/001/0051/0063

AUTHOR: Suiak, B.; Casior, S.; Stepniewski, W.

TITLE: On the effect of an external electric field on the emission  
of electrons from additively colored KCL into a gaseous atmosphere. I.

SOURCE: Acta physica polonica, v. 24, no. 1, 1963, 51-63

TOPIC TAGS: electron emission, external electric field, potassium chloride, single crystal, photoelectric emission, photostimulated emission, colored alkali halide

ABSTRACT: The effect of external accelerating voltages on the time dependence and intensity of photoelectron emission from additively colored KCL single crystals was investigated. The decay curves of photostimulated electron emission in an atmosphere consisting of a mixture of air and ethyl alcohol vapor are presented. The gas flow counter, of the point counter type with a measuring capacitor, is described. Plates measuring about 0.2 cm x 0.2 cm x 0.1 cm were obtained from a KCL crystal which was colored in potassium vapor at about 600C then cleaned. A potential of -15 v was applied to the up-

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ACCESSION NR: AP4045519

per capacitor plate and potentials of -65, -120, -185, or -240 v were applied to the lower plate (specimen support). The time dependence of the intensity of photostimulated emission was measured in single crystal and powdered specimens at the standard accelerating voltages given above. Photostimulated exoelectron emission decay curves were also obtained at these voltages. When freshly colored crystals were tested, the results resembled those obtained with powdered specimens. Inhomogeneity of coloring had a clearly discernable effect on the time dependence of the intensity of photostimulated emission. It was found that the form of the time dependence of the intensity of photostimulated emission from colored KCL single crystals is affected by the value of the accelerating voltage; however, powdered specimens were not so strongly affected by the accelerating voltage. The external accelerating field also had a strong effect on the rate of decay of emission. The present problem is now being investigated in a gaseous atmosphere and in vacuum by means of electron multipliers. The results are to be published separately. Orig art. has: 16 figures.

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L 18334-65  
ACCESSION NR: AP4045519

2

ASSOCIATION: Katedra Fizyki Doswiadczalnej Uniwersytetu Wroclawskiego  
(Institute of Experimental Physics, Wroclaw University); Katedra  
Fizyki Akademii Medycznej, Wroclaw (Chair of Physics, Medical Academy)

SUBMITTED: 12Dec62

ENCL: 00

SUB CODE: SS, EM

NO REF SOV: 000

OTHER: 013

3/3

ACCESSION NR: AP4024334

P/0045/64/025/002/0247/0253

AUTHOR: Gasior, S.; Stepniewski, W.; Sujak, B.

TITLE: Effect of an external electric field on photostimulated exoelectron emission from additively colored NaCl into a gaseous atmosphere

SOURCE: Acta physica polonica, v.25, no. 2, 1964, 247-253

TOPIC TAGS: external electric field, photostimulated exoelectron emission, additively colored NaCl, gaseous atmosphere, emission decay curve, emission intensity, NaCl

ABSTRACT: The paper is a continuation of a previous study (Acta Phys. Polon., 23, 51, 1963) on the effect of an external electric field on the photostimulated emission of exoelectrons from alkali halogenides. It describes the measuring procedure used in studying the dependence of such emission from NaCl single crystals colored additively in sodium vapor versus the accelerating voltage. The measurements produced graphs of the emission decay curves with time at constant voltage, showing three relationships between the decay constants  $\lambda_1$ ,  $\lambda_2$ ,  $\lambda_3$  and the accelerating voltage applied, U:

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ACCESSION NR: AP4024334

$$\lambda_1 = 1.3 - 93 \times 10^{-6} \sqrt{U} \quad \text{for } 0 < U < 190 \text{ V,}$$

$$\lambda_2 = 0.09 - 25 \times 10^{-7} U^2 \quad \text{for } 0 < U < 190 \text{ V,}$$

$$\lambda_3 = 0.0089 - 15 \times 10^{-8} U^2 \quad \text{for } 0 < U < 250 \text{ V.}$$

In measurements with accelerating voltages exceeding approximately 200 V (distance 0.5 cm),  $\lambda_1$  assumed negative values, causing the emission intensity to increase with time during the initial phase of observation. It was found in all cases that, under the given conditions, an initial increase of the emission intensity does indeed occur on illuminating the specimen with natural light, -- a clear proof of the influence of an external accelerating field on the shape of the decay curves. This effect should be taken into account since it can give rise to enormous non-reproducibility in investigations of excited electron emission. Orig. art. has: 8 figures and 6 equations

ASSOCIATION: Uniwersytet Wroclawski, Zaklad Wzbudzonej Emisji Elektronow przy Katedrze Fizyki Doswiadczalnej (Wroclaw University, Department of Induced Electron Emission, Chair of Experimental Physics)

Card 2/3

RASICR, T.

Self-government controls the work of shops. p. 7.

RODNIK SPKALIZACJA. (Centrala Rolniczej Spółdzielni "Samopomoc Chłopska")  
Warszawa, Poland. Vol. 8, no. 32, Aug. 1955.

Monthly list of East European Accessions (EMAI) LB, Vol. 9, no. 2, Feb. 1980

Encl.

L 11099-66 EWT(1)/EWA(m)-2 IJP(c) AT

ACC NR: AP5024612 SOURCE CODE: PO/0045/65/028/003/0299/0309

AUTHOR: Stepniewski, W.; Gasior, S.; Sujak, B. 44 55 44 55 44 55 50  
 44 55 03

ORG: Physics Department, Medical Academy, Wroclaw; Laboratory for Induced Electron Emission, Institute of Experimental Physics, Wroclaw University 44 55

TITLE: Relation between the spectral distribution of optical absorption in colored NaCl and KCl single crystals and their decay curves of photostimulated (exo) electron emission

SOURCE: Acta physica polonica, v. 28, no. 3, 1965, 299-309

TOPIC TAGS: crystal optic property, exothermic effect, photosensitivity, electron emission

ABSTRACT: Previous studies on photostimulated exoelectron emission are continued using monochromatic instead of white light. A flow point counter operating on a mixture of air and ethyl alcohol measured the emission. The wavelength of incident light was varied by an especially constructed micrometer screw. The range of wavelength was from 4000 to 7000 Å. At constant wavelength ( $c/\nu$ ) of the light incident on the specimen the decay constants  $\lambda_i$  were determined for various accelerating voltages. The values for  $\lambda_1$ ,  $\lambda_2$  and  $\lambda_3$  at the same accelerating voltage differ for various wavelengths of the applied light. Graphs of a given decay constant  $\lambda_i$  versus the accele-

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L 11099-66

ACC NR: AP5024612

rating voltage  $U$  were plotted,  $(\lambda_f = f_f(U))$  for both NaCl and KCl. The equation of the curve of photostimulated exoelectron emission decay for spectrally decomposed light assumes the form

$$\begin{aligned} \frac{N}{t} = & \left(\frac{N}{t}\right)_{01} e^{-\left[\lambda_{01}\left(\frac{t}{\tau}\right) - \left(\lambda_{01, \text{max}} + A'\right)\frac{t}{\tau}\right] U^a} \\ & + \left(\frac{N}{t}\right)_{02} e^{-\left[\lambda_{02}\left(\frac{t}{\tau}\right) - \left(B_{02, \text{max}} - B'\right)\frac{t}{\tau}\right] U^a} \\ & + \left(\frac{N}{t}\right)_{03} e^{-\left[\lambda_{03}\left(\frac{t}{\tau}\right) - \left(C_{03, \text{max}} - C'\right)\frac{t}{\tau}\right] U^a} \end{aligned}$$

values of the constants  $A, B, C, A', B', C'$ , for NaCl and KCl are given in a table. The curves for colored alkali halides measured in an atmosphere with high concentration of ethyl alcohol vapor are similar to the curves of optical absorption of  $F$ -centers and  $H$ -centers at room temperature. The energy depth of donors acting as source of exoelectrons is easily calculated from the absorption curves. Photostimulated exoelectron emission is apparently a two stage process. Orig. art. has: 16 formulas, 11 figures, 1 table.

SUB CODE: 20/

SUBM DATE: 05Feb65/

ORIG REF: 001/

OTH REF: 004

Card 2/2

80

GASIOREK, Adam, technik; KURZAK, Pawel; JURGAWKA, Stanislaw; SPIKOWSKI,  
Feliks, technik; SLOMIANCOWSKI, Stanislaw

More efficient sack filters in the central coal milling  
plant of the electric power station in Czechnica. Gosp  
paliw 11 Special issue no.(95):27-28 Ja '63.

1. Elektrownia Czechnica-Siechnice, powiat Wroclaw.



GASTORFF, J.

"Still More about the Themes of Chemik", P. 219. (CHEMIK, Vol. 7, No. 7/8, July/Aug. 1954, Katowice, Poland)

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

GASIOREK J.

"How the Movement of Socialist Competition has Developed. (To be contd.),"  
P. 221. (CHEMIK, Vol. 7, No. 7/8, July/Aug. 1964, Katowice, Poland)

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

GASIOPEK, J.

GASIOPEK, J.

"Activities of the Tarnow Chapter of the Association of Chemical Engineers and Technicians", P. 224. (CHEMIK, Vol. 7, No. 7/8, July/Aug. 1954, Katowice, Poland)

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

GASTOREK, J. Rolnik Spoldzielca - Vol. 8, no. 27, July 1955 Warszawa

Preparation for the season, a failure. p. 7.

SO: Monthly list of East European Accessions List, (EEAL), LC. Vol. 4, No. 11  
Nov. 1955, Uncl.

GASTIOREK, J.

Anna Wajss is 70 years old, p. 2. (ROLNIK SPOLDZIELCA, Vol. 8, no. 5, Jan. 1955.)

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

GASIOPEK, J.

Such a turnover! p. 8. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8, no. 7, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. <sup>6</sup>~~4~~, Jan. 1955,  
Uncl.

GASIOREK, J.

Better, quicker, and cheaper planning. p. 288. CHEMIK. Katowice.  
Vol. 8, no. 10, Oct. 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 3, March 1956

GASIOREK, J.

So that it did not end again with intentions only. p. 8; ROLNIK  
SPOLDZIELCA. (Centrala Rolnicza Spoldzielni "Samopomoc Chlopska")  
Warszawa; Vol. 8, no. 18, May 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress,  
Vol. 4, No. 12, December 1955.



GASIOR W. J.

(12). In Tydry and in Plaberow. p. 1.  
POLNIK SPOLECZNA, Warszawa, Vol. 8, no. 28, July 1955.

SO: Monthly List of East European Accessions, (EMAL), 10, Vol. 4, no. 10, Oct. 1955,  
Encl.

GASICREK, J.

GASICREK, J. The forgotten p. 6. Vol. 8, no. 47, Nov. 1955.  
ROLNIK SFCILDZIELCA. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) LC Vol. 5, no. 6, June 1956

GABORNIK, J.

Washing machines. p. 2.

Vol 8, no. 52, Dec. 1955. Our promises in connection with the coming congress. p. 1.

(k). Exchange of experiences. p. 1. ROLNIK SPOLZIMLCA. Warsaw, Poland.

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

GASIORAK, J.

State Commerce Inspectors. p. 6. GOSPODARKA ZBOZOWA. Vol. 9,  
No. 3, Jan 1956. Warszawa.

East European Accessions List (EEAL) Library of Congress  
Vol. 5, No. 11, August 1956.

GASIOREK, J.

A representative of Rolnik Spoldzielca interviews a sport champion of the Szczecin Voivodeship Administration of Township Cooperatives. p. 3.  
(ROLNIK SPOLDZIELCA. Vol. 9, no. 8, Feb. 1956, Poland)

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

GASIOREK, J.

GASIOREK, J. Splinters. p. 6.

Vol. 9, no. 22, May 1956

ROLNIK SPOLDZIELCA

AGRICULTURE

Poland

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

GASIORAK, J.

An interview on the subject of Trade-Union of Cooperative Employees.

p. 2 (Rolnik Spoldzielca. Vol. 9 (i.e. 10) no. 2, Jan. 1957. Warsaw, Poland)

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

GASIOREK, J.

An interview with the Voivodeship Public Prosecutor; cooperation auditors with the public prosecutor's office. p.7.  
(Rolnik Spoldzielca, Warszawa, Vol. 9(i. e. 10)no. 18, May 1957.)

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



GASIOREK, J.

The peasants want a concrete-mixing plant, the Voivodeship Commission for Economic Planning wants a sawmill. p. 7.  
(ROJNIK SPOLDZIELCA. Vol. 9 (i.e.10) no. 14, Apr. 1957, Poland)

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

GASIOREK, J.

The "Last button" is not yet buttoned. p.4.

(ROLNIK SPOLYZIELCA. Vol. 9 [i.e.10] no. 28, July 1957. Warszawa, Poland)

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

MASIORNIK, J.

The road was not easy. p.5.

(ROLNIK SIŁCZYLCA. Vol. 9 [i.e.10] no. 29, July 1957. Warszawa, Poland)

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

RYZYNSKA, Bzena; GASIOROWSKA, Bzena

Microwaves in the treatment of enuretic children. Pol. Ped. 20  
no.12:1-24 2a 1965

1. Z Instytutu Balneoklimatycznego w Poznaniu. (Dyrektor: prof.  
dr. med. J.Jankowski).

GASIOROWSKA, H. (Warszawa)

The capacity of some viruses to keep alive in the earth and in natural waters. Rocznik nauk rolniczych 70 no.1/4:294-295 '60.  
(EEAI 10:9)

(Viruses)

RACZYNSKA-BOJANOWSKA, Konstancja; GASIOROWSKA, Ina

NAD glycohydrolase in carp liver. Acta biochim. pol. 10 no.1:117 '63.

1. Department of Physiological Chemistry, Medical School, Warszawa.  
(NO SUBJECT HEADINGS)

GASIOROWSKA, Z., WOYCIECHOWSKA, H.

"Biologia dla kl. IV." (Biology for the IVth form), by Z. Gasiorowska, H. Woyciechowska. Reported in New Books (Nowe Książki), No. 13, July 1, 1955

GASIOROWSKA, Z.

A-7

POLAND / General Division, Problems of Teaching

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 157

Author : Gasiorowska, Z.

Inst : Not Given

Title : From the Experiments of a Garden-Laboratory in Warsaw

Orig Pub : Biol. szkole, 1957, 10, No 1, 30-33

Abstract : No abstract

Card : 1/1



POLAND/Cultivated Plants - Commercial. Oil-Bearing. Sugar-  
Bearing.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82440

Author : ~~Gasiorowska E.~~

List : ...

Title : Oil-Bearing Crops.

Orig Pub : Biol. szkole, 1957, 10, No 5, 289-297

Abstract : A report on observations conducted on the experimental plot of Warsaw Institute of Advanced Training. Feasibility was studied of the cultivation in Poland of the castor plant, oil-bearing pumpkin, soybean, oleaceous sunflower, safflower, common colewort, flax, different poppy varieties, peanut and sesame. All these crops produced good yields. ... G.N. Miroshnichenko

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GASIOROSKI, H.

Changes in the acidity of flour stored under various degrees of relative humidity and temperature. J. Janicki, S. Janiszewski, and H. Gasioroski (Univ. Poznan, Poland). *Roczniki Państwowego Zakładu Hig.* 3, 237-53 (1952) (French summary).—The acidity, as measured by fatty acid,  $H_2PO_4$ , and amino acid concn., increased in flour with increasing humidity and temp. The fatty acid concn. decreased as the flour became moldy. The mold growth became apparent in 8 days at 30° and 91% humidity, in 30 days at 16° and 92.6% humidity, and at 70 days at 30° and 73% humidity. L. J. Piotrowski .

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