

KULESHOV, Nikolay Andreyevich; NOVOZHILOV, M.G., prof., doktor tekhn.nauk,  
red.; ZURKOV, P.E., prof., doktor tekhn.nauk, red.; POPOV, S.I.,  
dotsent, kand.tekhn.nauk, red.; DIDKOVSKIY, D.Z., inzh., otv.red.;  
KAUFMAN, A.M., red.izd-va; IL'INSKAYA, G.M., tekhn.red.

[Open-pit mining] Otkrytye gornye raboty. Moskva, Gos.nauchno-  
tekhn.izd-vo lit-ry po gornomu delu, 1961. 327 p. (MIRA 14:6)

(Strip mining)

NOVOZHILOV, Mikhail Galaktionovich, prof., doktor tekhn.nauk. Prinsipal  
uchastnye MESHCHERYAKOV, A.I., dotsent. ZURKOV, P.E., prof.,  
retsenzent; ORLOV, Ye.I., otv.red.; KAUFMAN, A.M., red.izd-va;  
BERESLAVSKAYA, L.Sh., tekhn.red.; BOLDYREVA, Z.A., tekhn.red.

[Open-pit mining] Otkrytye gornye raboty. Moskva, Gos.nauchno-  
tekhn.izd-vo lit-ry po gornomu delu, 1961. 474 p.

(MIRA 14:6)

(Strip mining)

KLEYNGOL'D, V.Ya.; POPOV, A.A.; ZURKOV, P.N., dots.

Stripping operations at the Sokolovka open pit iron ore mine.  
Ger.shur. no.11:16-21 N '48. (MIRA 11:11)

1. Nachal'nik Sokolovskogo zhelezorudnogo kar'yera (for Kleyngol'd).
2. Glavnyy inzhener Sokolovskogo zhelezorudnogo kar'yera (for Popov).  
(Sokolovka (Kustanay Province) -- Strip mining)

SOV/127-58-11-4/16

AUTHORS: Kleyngol'd, V.Ya., Director of the Mine, Popov, A.A., Head Engineer and Zurkov, P.E., Dotsent

TITLE: Stripping Work at the Sokolovskoye Opencast Iron Ore Mine (Vskryshnyye raboty na Sokolovskom zheleznorudnom kar'yere)

PERIODICAL: Gornyy zhurnal, 1958, Nr 11, pp 16 - 21 (USSR)

ABSTRACT: The timely execution of stripping works and the preparation of a normal working surface for opencast mining in the Sokolovskoye-Sarbay trust were the most important factors in starting the production of iron ore in the quantities foreseen by the plan (Sokolovskoye deposits - 5,000,000 tons and the Sarbay deposit - 10,000,000 tons a year). By 1 January 1958, 17,000,000 tons out of the 28,000,000 tons of overburden were removed at the Sokolovskoye deposit. The daily volume of stripping operations gradually increased from 12,000 cubic m in 1956 to 50,000 cubic m at the end of 1957. This increase was the result of the utilization of new transportation machines and of an improved organization of work at the mine. Roads for trucks and railways were built. The authors describe in detail different types of excavators,

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SOV/127-58-11-4/16  
Stripping Works at the Sokolovskoye Opencast Iron Ore Mine

bulldozers and trucks used, as well as the organization of working brigades. During the first 6 months of 1958, a total of 425,963 tons of iron ore was produced at the Sokolovskoye deposit. There are 6 tables, 1 photo and 2 Soviet references.

ASSOCIATION: Sokolovsko-Sarbayaskiy Kombinat (The Sokolovskoye-Sarbay Kombinat)

Card 2/2

1. Mining engineering--USSR

ZURKOV, P.Ye., prof.; BOGATSKIY, V.F., inzh.

Prospects for developing the mining of Bakal siderite ores. Izv. vys. uch. zav.; gor. zhur. 5 no.6:5-8 '62. (MIRA 15:9)

1. Magnitogorskiy gornometallurgicheskiy institut imeni G.I. Nosova. Rekomendovana kafedroy razrabotki mestorozhdeniy poleznykh iskopayemykh.

(Bakal region--Siderite)

ZURKOWSKA, Janina; BUDZYNSKA, Maria; OZAROWSKI, Aleksander

Cardenolide glycosides. II. The content of active bodies in Digitalis purpurea L. leaves of domestic origin. Acta pol. pharm. 20 no.2:109-114 '63.

1. Z Zakładu Związków Naturalnych Instytutu Farmaceutycznego w Warszawie Kierownik Zakładu: Dr A. Ozarowski.

(DIGITALIS GLYCOSIDES)

(CHEMISTRY, PHARMACEUTICAL)

ZURKOWSKA, Janina; LUKASZEWSKI, Mieczyslaw; OZAROWSKI, Aleksander

Cardenolide glycosides. III. Quantitative and qualitative thin-layer chromatography of digitalis glycosides. Acta pol. pharm. 20 no.2:115-120 '63.

1. Z Zakladu Zwiaskow Naturalnych Instytutu Farmaceutycznego w Warszawie Kierownik Zakladu: Dr A. Ozarowski.  
(DIGITALIS GLYCOSIDES) (CHROMATOGRAPHY)



ZURKOWSKA, Janina; BUDZYNSKA, Maria; KROSCZYNSKI, Wojciech;  
OZAROWSKI, Aleksander

Cardenolide glycosides. V. Studies on a complex of active  
bodies isolated from *Convallaria majalis* L. Acta pol. pharm.  
20 no.4:329-337 '63.

1. Z Zakładu Związków Naturalnych Instytutu Farmaceutycznego  
w Warszawie Kierownik Zakładu: dr. A. Ozarowski.  
(CONVALLARIA) (CHEMISTRY, PHARMACEUTICAL)

KROSCZYŃSKI, Wojciech, LIKASZEWSKI, Mieczysław, ZURKOWSKA, Janina  
OZAROWSKA, Aleksandra.

Cardenolid glycosides. VI. Determination of digitoxin in  
Digitalis purpurea leaves after the isolation of pitalin  
fractions. Acta Pol. pharm. 21 no.3:257-263 '64

1. Z Zakładu Związków Naturalnych Instytutu Farmaceutycznego  
w Warszawie (Kierownik dr. S. Ozarowski).

BUDZYNSKA, Maria; ZURKOWSKA, Janina; OZAROWSKI, Aleksander

Cardenolid glycosides. **XI**. Chromatographic analysis of mixture of digitalis glycosides remaining after the separation of lanatosides. Acta Pol. pharm. 21 no.6:519-520 '64.

1. Z Zakladu Zwiaskow Naturalnych Instytutu Farmaceutycznego w Warszawie (kierownik: dr. A. Ozarowski).

PIKOWSKA, Janina; MIDZYNSKA, Maria; OZAROWSKI, Aleksander

Cardenolid glycosides. VII. Determination of the purity of digi-  
toxin from various suppliers. Acta Pol. pharm. 21 no.3:307-308  
'64

1. Z Zakladu Zwiazkow Naturalnych Instytutu Farmaceutycznego  
w Warszawie (Kierownik dr. A. Ozarowski).

KROSCZYŃSKI, Wojciech; ZUREKOWSKA, Jaroslawa; CZAROWSKI, Aleksander, dr.

Cardenolid glycosides. VIII. Alkaline degradation of lanatoside  
C. Acta Pol. pharm. 21 no.4:355-358 '64.

I. Z Zakładu Związków Naturalnych Instytutu Farmaceutycznego  
(Kierownik: dr. A. Czarnowski).

MICHALSKA, Barbara; ZIEGOWSKA, Janina, OZAROWSKI Aleksander, dr.

Cardenolid glycosides. X. A method for quantitative digitoxin determination in suppositories. Acta Pol. pharm. 21 no.4: 363-364 '64.

L. Z Zakladu Zwiqzkow Naturalnych Instytutu Farmaceutycznego w Warszawie (Kierownik: dr. A. Ozarowski).

ZURKOWSKA, Janina; OZAROWSKI, Aleksander

Cardenolide glycosides. XII. Quantitative thin-layer chromatography on talcum of a mixture of lanatosides A, B, C and D. Acta Pol. pharm. 22 no.1:83-85 '65.

1. Z Zakladu Zwiaskow Naturalnych Instytutu Farmaceutycznego w Warszawie (Kierownik Zakladu: dr. A. Ozarowski).

KROSZCZYNSKI, Wojciech; LUKASZEWSKI, Mieczyslaw; ZURKOWSKA, Janina;  
MARCISZEWSKI, Henryk; OZAROWSKI, Aleksander

Cardenolide glycosides. IV. Production of acetyldigitoxin  
through selective acetylation of digitoxin. Acta pol. pharm.  
20 no.2:121-129 '63.

1. Z Zakladu Zwiaskow Naturalnych Instytutu Farmaceutycznego  
w Warszawie Kierownik Zakladu: Dr A. Ozarowski.  
(DIGITOXIN) (CHEMISTRY, PHARMACEUTICAL)  
(DIGITALIS GLYCOSIDES)



POLAND / General and Specialized Zoology. Insects. Pests of Food P  
Stuffs.

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 73691

Author : Mlodecki, Henryk; Zurkowska, Teresa

Inst : Not given

Title : Data on the Hygienic Evaluation of Food Infested with Bread Mites. II. Study on the Pathogenic Characteristics of Food Infested with Bread Mites

Orig Pub : Roczn. Panstw. zakl. hig., 1957, 8, No 1, 19-26

Abstract : Temperatures less than 24° retard the development of mites in food. The optimum temperature for their development is 24° - 29° with 15% humidity of the products. For 12 days 10 white rats received in their food daily 20 additional g. of flour containing 146 mites. When the rats were dissected after 12 days, no characteristic anatomic or pathohystologic changes

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KOSMIDER, Stanislaw; ZURKOWSKI, Andrzej; WEGIEL, Antoni

In vitro effects of Hg, KCN and CO on granulocytic alkaline phosphatase. Pol. arch. med. wewnet. 35 no.4:477-481 '65.

1. Z Kliniki Chorob Wewnętrznych i Zawodowych Śląskiej Akademii Medycznej w Zabrze (Kierownik: prof. dr. med. W. Zahorski).

SROCZYNSKI, Jan; ZURKOWSKI, Andrzej; GORSKI, Janusz

A case of WPW syndrome in auriculo-ventricular block. Pol.  
arch. med. wewnet. 33 no.11:1289-1296 '63.

1. Z Kliniki Chorob Wewnętrznych i Zawodowych Śląskiej AM.  
Kierownik: prof. dr. med. W. Zahorski.

\*

SROCZYNSKI, Jan; ZURKOWSKI, Andrzej; SMIGLA, Krystyna;  
SUWALSKI, Zbigniew

A case of Lesniowski-Crohn disease with an atypical course  
and intestinal hemorrhage. Pol. arch. med. wewn. 33 no.8:  
973-977 '63.

1. Z II Kliniki Chorob Wewnętrznych Sz. AM w Zabrze Kierownik:  
prof. dr med. W. Zahorski Z Zakładu Anatomii Patologicznej  
Sz. AM w Zabrze Kierownik: prof. dr med. W. Niepolonski i z  
Zakładu Radiologii Sz. AM w Zabrze p.o. Kierownika: dr med.  
H. Romanowski.

(ILEITIS, REGIONAL)  
(HEMORRHAGE, GASTROINTESTINAL)  
(AUTOPSY)

KROL, Wladyslaw; KIETA-FYDA, Aleksandra, TABEAU, Jerzy; SOSIN, Marian;  
ZUROWSKI, Czeslaw.

The circulatory system in shock in recent myocardial infarction. Pol. tyg.lek. 18 no.45:1669-1675 4 N°63.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie. Kierownik:  
prof.dr. Leon Tochowicz.

Country : POLAND  
Category: Pharmacology. Toxicology. Narcotics and Hypnotics.

V

Abs Jour: RZhBiol., No 6, 1959, No 27655

Author : Bojanowicz, K.; Torzecka, W.; Zurkowski, J W.

Inst : -

Title : Three Cases of Intoxication with Trichloroethylene  
Taken Internally.

Orig Pub: Med. paracy, 1957, 8, No 6, 405-410

Abstract: No abstract.

Card : 1/1

V-4

ZURKOWSKI, J.

JOURNAL / Microbiology, Human and Animal Pathogens, Corynebacteria.

Abstr Jour: Ref Zhur-Biol., No 2, 1959, 5422.

Author : Cholewicki, J.; Francikowska, A.; Kularski, I.; Lewicki, J.; Kurt, A.; Sowa, L.; Stoltkiewicz, S.; ZURKOWSKI, J.

Inst : Not given.

Title : Characteristics of Corynebacterium Diptheriae Strains Isolated During the 1955-56 Epidemic in the City of Lodz.

Orig Pub: Przegl. epidemiol., 1957, 11, No 4, 371-383.

Abstract: The properties of 276 diptheria strains isolated from 250 patients in the city of Lodz, which the author considers an endemic center of diptheria, were studied. Of all strains, 33.4% were of the gravis type; 26.2% were of

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Abstract: the "incomplete" gravis type, differing from the classic (servoid Melod) type in serological aspects; 1.9% belonged to the mitis type; 21.7% to the intermedius type; in 17.3% of strains, the type was not established. The Zurkowski study of 1956 showed considerable predominance of the mitis type. Of 169 strains isolated from patients in 1957, Swinarski found 83.5% gravis type; 20.3% "incomplete" gravis type; 10.7% mitis type. During the evolution and distribution of diptheria in Lodz, the epidemic waves of the "incomplete" gravis type, of a 2 1/2 year cycle (mitis-intermedius-gravi) of a 2 1/2 year cycle (mitis-gravis) occur. It is concluded that the epidemic prevalence of the gravis type in the Lodz area has passed; the

Card 2/3

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Abstract: Prevalence of the "incomplete" atypical gravis (servoid) type is beginning to increase in the stages toward the mitis type. Evolution of strains can, to a certain degree, depend on immunization of the population, leading to survival of more mitis strains, which most obviously belong to the gravis type. -- M. A. Grzesek.

Card 3/3

BOJANOWICZ, K.; MILEWSKA, Z.; ZURKOWSKI, J.

Studies on the behavior of eosinophils and sugar in peripheral blood and of serum cholesterol and chlorides in peptic ulcer under the influence of desoxycorticosterone therapy. Polskie arch.med. wewn. 30 no.6:813-815 '60.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Łodzi Kierownik: prof. dr nauk med. J.W.Grott i s Laboratorium P.S.K. Nr 1. Kierownik: dr med. A.Wiersbowska.

(BLOOD SUGAR pharmacol)

(EOSINOPHILS pharmacol)

(CHOLESTEROL blood)

(CHLORIDES blood)

(PEPTIC ULCER ther)

(DESOXYCORTICOSTERONE ther)



JASIOROWSKI, H.; PIOTROWSKI, J.; SZANIAWSKI, A.; WIERNY, A.; ZURKOWSKI, M.

Variations of blood serum urea level in cows are affected by different feeding conditions. In English. *Bul Ac Pol Biol* 8 no.9:479-482 '60.  
(EEAI 10:7)

1. Institute of Experimental Animal Breeding, Polish Academy of Sciences. Presented by L. Kaufman.  
(BLOOD) (COWS)

ZURKOWSKI, Maciej

Scientific conference on "Studies on Blood Groups in Animals."  
Kosmos biol 12 no. 4:413-415 '63.

ZUROWSKI, Stanislaw, dr.

Heavy paper in Poland in the 16th - 18th centuries. Przegł papier  
18 no.11:360-361 N '62.

ZURAKOWSKI, Witold

Hereditary polyposis of the large intestine. Pol. tyg. lek. 17 no.27:  
1065-1068 2 J1 '62.

1. Z Oddziału Chirurgicznego Instytutu Onkologii w Warszawie; kierownik  
Oddziału: prof. dr. med. T. Koszarowski; dyrektor Instytutu: prof. dr  
med. J. Laskowski.

(POLYPI) (INTESTINAL NEOPLASMS) (COLONIC DISEASES)

ZURNADZHI, V.A., ispolnyayushchiy obyazannosti dotsenta

Foundations for thin-walled composite structures. Trudy RISI  
no. 4:44-48 '55. (MIRA 12:1)

(Foundations)

ZURNADZHI, V.A., dotsent

Designing foundations of structures according to rated limiting  
conditions. Trudy RISI no.6:23-34 '58. (MIRA 12:6)  
(Foundations) (Soil mechanics)

ZURNADZHI, V. A., Candidate Tech Sci (diss) -- "Problems of designing and construction on severely deformed foundations". Dnepropetrovsk, 1959. 12 pp (Dnepropetrovsk Inst of Railroad Transport Engineers), 150 copies (KL, No 25, 1959, 133)

ZURNADZHI, V.A. (Rostov-na-Donu)

Problems of planning and building on loess soils. Osn., fund. 1  
mekh. grun. 3 no.4:28-29 '61. (MIRA 14:8)  
(Loess) (Foundations)



ZURNADZHI, V.A.; ANAN'YEV, V.P.; UKOLOVA, Z.S.

Determining possible deformations of sagging foundations and selecting  
construction measures. Osn., fund. i mekh.grun. 5 no.6:23-25 '63.  
(MIRA 16:12)

ANAN'YEV, Vsevolod Petrovich; ZERNADZHI, V.A., otv. red.;  
ZAKHARINA, I.Ya., red.

[Mineralogical composition and properties of loess]  
Mineralogicheskii sostav i svoystva lessovykh porod  
Rostov-na-Donu, Izd-vo Rostovskogo univ., 1964. 143 p.  
(MIRA 18:1)

BUENADZHI, V.A. (Rostov-na-Donu); ARAN'YEV, V.P. (Rostov-na-Donu);  
GIL'MAN, Ya.B. (Rostov-na-Donu)

"Manual for designing foundation beds and foundations of  
buildings and structures on sagging soils," by A.A.  
Grigorian. Osn., fund. i mekh.grun. 8 no. 198 '66.  
(1976 19:1)

DEZHIN, Yuriy Vyacheslavovich; ZURANDZHI, V.A., dots., kand.  
tekhn. nauk, nauchn. red.; SAAK'YAN, Yu.A., red.

[Pile foundations for large-panel buildings on sagging  
soil in Rostov Province] Svainye fundamenty krupnopanel'-  
nykh zdaniy v usloviakh prosadochnykh gruntov Rostovskoi  
oblasti. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo,  
1964. 45 p.  
(MIRA 18:3)

ZUROMSKI, M.

Adaptation of the brine underlayer method in Great Poland Fat Industry  
Works in Szamotuly. p. 203.  
(PRZEMYSŁ SPOZYWCZY. Vol. 10, no. 5, May 1956, Warszawa, Poland)

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

ZURNADZHIYEV, A.D.

Manufacture of composite span girders with dry joints.  
Transp. stroi. 13 no.5:17-18 My '63. (MIRA 16:7)

1. Nachal'nik mostopoyezda No. 404.  
(Bridges--Design and construction)  
(Precast concrete construction)

ZURNADZHIYEV, A.D.

Adjusting head for fixing vibration drivers to reinforced concrete piles. Suggested by A.D.Zurnadzhiev. Rats.i izobr. predl.v stroi. no.8:68-69 '58. (MIRA 13:3)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdela mostopyezda No.404 Mostotresta. Po materialam Ministerstva transportnogo stroitel'stva SSSR.  
(Piling (Civil engineering)) (Vibrators)

ZURKOWSKA, Zofia

State Central Medical library of the Ministry of Health of U.S.S.R.  
Suppl. Polski tygod. lek. 9 no,26:207-208 25 June 54.

1. Z Głownej Biblioteki lekarskiej w Warszawie.



2018. ZURKOWSKI J. II. Klin. Ped., Lodz; Zakl. Mikrobiol., Wrocław. \*Aglutyniny  
anty "M" w surowicy 8-miesięcznego dziecka. Anti-M agglutinins in  
the serum of an 8-month-old child POL. TYG. LEK. 1955, 10/50  
(1812-1814) Tables 3

The serum of a boy with poliomyelitis of blood groups O, C, D, E, K, N, P, Le (a+b)  
contained an unusual antibody. Nine samples of O M, 15 of O N and 15 of O MN  
were tested. Agglutination took place in 9, 2 and 14 samples respectively. The  
agglutination was somewhat stronger in serum than in saline. The author believes  
that the tested serum contained anti-M antibody and some undefined additional anti-  
body.  
Milgrom - Zabrze-Rokitnica (IV, 7\*)

DZIECIOLOWSKI, Zygmunt; ZURKOWSKI, Jan, Jr.

The role of insulin in diabetes & attempts to replace it with orally administered drugs. Polski tygod. lek. 13 no.23:883-889 9 June 58.

1. (Z I Kliniki Chorob Wewn. A. M. w Lodzi; kierownik: prof. dr nauk med. J. W. Grott)Lodz 11, ul. Marynarska 9/6.

(ANTIDIABETICS

oral antidiabetics, comparison with insulin, review (Pol))

(INSULIN

comparison with oral antidiabetics, review (Pol))

ZURKOWSKI, Jan

Anti-M agglutinins in an 8-month-old infant. *Polski tygod. lek.*  
10 no.50:1612-1614 12 Dec. '55.

1. Z II Kliniki Pediatricznej w Lodzi; kierownik: prof. dr F.  
Redlich i z Zakladu Mikrobiologii we Wroclawiu; kierownik: prof.  
dr L. Hirsfeld, Lodz, Kipcinskiego 40 a.

(BLOOD GROUPS,

anti-M agglutinins in inf.)

Zurnadzhii, V. "Strengthening the span construction of a large bridge,"  
Zh.-d. transport, 1948, No. 12, pp. 66-69

SO: U-3264, 10 April 1953 (Letopis 'Zhurnal 'nykh Statsy, No. 4, 1949).

ZURNADZHI, V.A., inzh.

Methods for building on highly deformable foundations. *Biul. stroi. tekhn.* 15 no.6:8-11 Je '58. (MIRA 11:6)

1. Rostovskiy-na-Donu inzhenerno-stroitel'nyy institut.  
(Foundations) (Reinforced concrete construction)

ZUROMSKA H.

"Preservation of Fertile Fish Eggs." P. 13, (GOSPODARKA RYBNA, Vol. 6,  
No. 1, Jan. 1954. Warszawa, Poland.)

SO: Monthly List of East European Accession, (NEAL), LC,  
Vol. 3, No. 12, Dec. 1954, Uncl.

ZUROV, V.F.; TRAVIN, O.V.; SHVARTSMAN, L.A.

Refining cast iron and steel outside the furnace. Izv.vyb.ucheb.  
zav.; chern.met. 4 no.5:47-49 '61. (MIRA 14:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy  
metallurgii.  
(Cast iron--Metallurgy) (Steel--Metallurgy)

ALEKSANDROWICZ, Julian; KEPINSKI, Antoni; SKOTNICKA, Alina;  
ZUROWSKA, Alina

Attempted psycho-sociological analysis of leukemia patients.  
Pol. arch. med. wewnet. 33 no.10:1117-1121 '63.

1. Z III Kliniki Chorob Wewnetrznych AM w Krakowie Kierownik:  
prof. dr med. J. Aleksandrowicz i z Kliniki Psychiatrycznej  
AM w Krakowie Kierownik: prof. dr med. K. Spett.  
(LEUKEMIA) (PSYCHOLOGICAL TESTS)  
(SOCIAL CONDITIONS) (STATISTICS)



ZUROVSKA, V. (Riga)

Effect of molybdic and molybdic-boron fertilization on changes of  
soil microflora. Vestis Latv ak no.2:139-144 '60. (EEAI 10:1)

1. Latvijas PSR Zinatnu akademijs, Biologijas instituts.  
(Molybdenum) (Boron) (Trace elements)  
(Microflora) (Azotobacter) (Clostridium) (Soils)

KAHL, Wladyslaw; ROSZKOWSKI, Andrzej; ZUROWSKA, Aleksandra

Determination of escin content in various stages of sprouting chestnut seeds by chemical and biochemical methods. Chem anal 8 no.4:575-578 '63.

1. Department of Organic Chemistry, Academy of Medicine, Warsaw.



ZUROWSKI, Czeslaw; DANIKIEWICZ, Wladyslaw

Fluorescein test in determination of circulation rate in normal subjects. Polski tygod. lek. 12 no.24:924-927, 10 June 57.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Krakowie; kierownik:  
prof. dr. Leon Tochowicz. Adres: Krakow, ul. Kopernika 17.  
(BLOOD CIRCULATION, determination,  
fluorescein test (Pol))  
(FLUORESCHEIN,  
blood circ. rate test (Pol))

POLAND/Human and Animal Physiology - Blood Circulation.

T-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31674

Author : Zurowski Czeslaw, Denikiewicz Wladyslaw

Inst : -

Title : Rate of Blood Circulation Determined by Means of  
Fluorescein in Healthy People.

Orig Pub : Polski tygod. lekar., 1957, 12, No 24, 924-927.

Abstract : No abstract.

Card 1/1

ZUROWSKI, J., mgr.<sup>19</sup>, ins.

Tasks and trends of standards in the cabinet-making industry.  
Normalizacja P 28 no.11:528-531 W '60.

ZUROWSKI, Jan

The bent furniture industry in Yugoslavia. Przem drzew 12 no.12:21-25  
'61.

(Yugoslavia—Furniture industry)

"The Development of the Refining Industry in People's Poland" in Nafta, 1953, no 9  
(Polish Petroleum periodical) pp 214-217

SO: Air, DI, Col Div, Afoin-IAI, March 54, Unclassified.



ZURAWSKI, M.

ZURAWSKI, M. Mickiewicz and West European romanticism; 'orphanhood' and the romantic aesthetics. p. 143.

Vol 1, no. 2/3, Apr/ Sept. 1956

GACETA OBSERWATORA, P.I.H.M.

SCIENCE

Warsaw, Poland

So: East European Accession vol 6, no. 3, March 1957

ZURCOWSKI, S.

Still more about Michal Eldsner, a papermaker in Poznan in the sixteenth century. p. 281. PRZEGLAD PAPIERNICZY. Lodz. Vol. 11, no. 9, Sept. 1955

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

ZUROVEC, R.

The qualitative 1-V-1. p. 92. RADIOAMATER. (Savez radioamatera Jugoslavije)  
Beograd. Vol. 10, No. 4, Apr. 1956.

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

ZUROWSKA, L.

Tasks of the reading rooms in technical schools and centers. p. 34. (LAS  
POLSKI. Vol. 26, no. 3, Mar. 1952.

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

ZUROWSKI, S.

History of the technique of papermaking in Poznan. p. 12,  
Vol 12, no. 1, Jan.1956. PRZEGLAD PAPIERNICZY. Lodz, Poland.

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

ZUROWSKI, S.

Still more about Michal Eldsner, a sixteenth-century papermaker in Poznan. (To be contd.) p. 185.

PRZEGLAD PAPIERNICZY, Warszawa, Vol. 11, no. 6, June 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

ZURAWSKI, S.

Still more about Michal Eldaner, a sixteenth-century papermaker in Poznan. (To be contd.) p. 217.  
PRZEGLAD PAPIERNICZY, Warszawa, Vol. 11, no. 7, July 1955.

SC: Monthly List of East European Accessions, (BEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

ZUROWSKI, Tadeusz

The neolithic mines of Krzemionki Opatowskie; recent works.  
Przegl geol 10 no.6:291-295 Je '62.

1. Ministerstwo Kultury i Sztuki, Warszawa.



ZUROWSKI, Wirgiliusz

"The elk of North America" by Olaus J. Murie. Reviewed by Wirgiliusz  
Zurowski. Przegl zoolog 6 no.3:235-236 '62.

ZURZYCKA, A.

Report from the Congress of the German Botanical Society in Halle,  
May 23 - 31, 1961. Wiad botaniczne 6 no.1:91-92 '62.

ZURZYCKA, A.

*Aspergillus giganteus* Wehm. mut. alba Zurz. Acta soc botan  
Pol 32 no.4:715-718'63.

1. Laboratory of Plant Physiology, Polish Academy of  
Sciences, Warsaw.

ZURZYCKA, A.

"The small practicum on the physiology of plants" by L. Brauner and F. Bukatsch. Reviewed by A. Zurzycka. Wiad botaniczne 6 no.1:93 '62.

ZURZYCKI, J.

Photooxydative bleaching of chlorophyll pigments in vivo caused by chromatic radiation. Acta soc botan Pol 33 no.1:121-132 '64

The effects of simultaneous action of the short and long wave parts of spectrum on the movements of chloroplasts. Ibid.: 133-139

1. Laboratory of Plant Physiology, Jagellonian University, Krakow.

ZURZYCKI, J.

"Anatomy of plants," by H. Molisch and K. Hoefler. Reviewed  
by J. Zurzycki. Wiad botaniczne 5 no.4:345 '61.

ZURZYCKI, Jan

The action spectrum for the light depended movements of chloroplasts  
in *Lemna trisulca* L. Acta soc botan Pol 31 no.3:489-538 '62.

1. Laboratory of Plant Physiology, Jagiellonian University, Krakow.





The dependence of photosynthesis on the regulation of  
chloroplasts  
Robert G. Bennett  
1961

ZURZYCKI, J.

"Anatomy of plants", by H. Molisch and K. Hoefler. Wiad botaniczne 5no.4:345

ZUSEVA, B. S.

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5560

Author: Papok, K. K., Zuseva, B. S.

Institution: None

Title: Effect of Metals on Lacquer Formation Properties of Oils

Original Publication: Khimiya i tekhnol. topliva, 1956, No 5, 64-69

Abstract: Formation of lacquer in a thin layer (150  $\mu$ ) of oils MK-22, MS-20, Avtol-10 and paraffin-naphthenic fraction of MS-20 oil, on steel 20, stainless steel, duraluminum, aluminum, bronze and copper, was studied by the method of GOST 5737-53 in the range of 250-300 $^{\circ}$ , with a duration of heating of the oil of 30 minutes. It was found that the catalytic action of metals on the process of lacquer formation depends on the chemical composition and volatility of the oil and on the temperature. In the case of MK-22 and MS-20 oil and the paraffin-naphthenic

Card 1/2

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5560

Abstract: fraction of MS-20 oil the strongest catalyst is steel 20, while for Avtol-10 it is copper and bronze. With increase in volatility of the oil the catalytic action of metals on the process of lacquer formation decreases. The greatest difference in catalytic action of metals on lacquer formation is observed at 250-280°.

Card 2/2

ПАРОК, К.К.; ЗУСЕНА, Б.С.

Critical temperature in piston vanishing. Khim. i tekhn. topl. no. 3:  
70-72 Nr '56. (MIRA 9:9)

(Automobiles--Engines)

ПАРОК, К.К.; ZUSEVA, B.S.

Effect of metals on the gumming properties of oils. Khim.i tekhn.  
topl. no.5:64-69 My '56. (MIRA 9:9)  
(Automobiles--Lubrication)

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5559

Author: Papok, K. K., Zuseva, B. S.

Institution: None

Title: Critical Temperature of Lacquer Formation

Original

Publication: Khimiya i tekhnol. topliva, 1956, No 3, 70-72

Abstract: An investigation, by the method of GOST 5737-53, of dependence of lacquer formation, in a thin layer, on heating temperature (in the range 220-280°), of various oils, as such and with additives. It is shown that at a definite temperature, that is critical for each specific oil, intensive lacquer formation sets in. According to the critical temperature of lacquer formation a comparison was made of the effectiveness of various additives for commercial oils. Of the investigated additives the most effective was found to be ZIT-2, which on addition in an amount of 1.5% raises the critical temperature from 235-245° to 275-280°.

Card 1/1

ISAGULYANTS, V.I.; TISHKOVA, V.N.; PAPOK, K.K.; ZUSNYA, B.S.

Synthesis of phenolates of sulfides and disulfides of substituted phenols. Izv.vys.ucheb.sav.; neft' i gaz 1 no.11:97-103 '58.  
(MIRA 12:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
im. akad. I.M.Gubkina.  
(Phenoxides)



ISAGULYANTS, V.I.; TISHKOVA, V.H.; PAPOK, K.K.; ZUSEVA, B.S.

Research in the field of the synthesis of additives for  
petroleum products. Report No.1: Synthesis of phenolates of  
sulfides and disulfides of substituted phenols. Trudy MNI  
no.23:31-41 '58. (MIRA 12:1)  
(Phenoxides) (Petroleum products--Additives)

ПАРОК, К.К.; АНИСИМОВ, К.Н.; ЗУСЕВА, Б.С.; КОЛОВА, Н.Ye.

Effect of esters of unsaturated phosphinic acids on the  
antioxidizing properties of mineral oil. Zhur.prikl.khim.  
32 no.1:180-186 Ja '59. (MIRA 12:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.  
(Mineral oils) (Phosphinic acid) (Oxidation)

SOV/80-59-1-29/44

AUTHORS:

Papok, K.K.; Anisimov, K.N., Zuseva, B.S. and Zolobova, N.Ye.

TITLE:

Effect of Esters of Unsaturated Phosphinous Acids on the Antioxidation Properties of Mineral Oil (Vliyaniye efirov nepredel'nykh fosfinovykh kislot na antiokislitel'nyye svoystva mineral'nogo masla)

PERIODICAL:

Zhurnal prikladnoy khimii, 1959, Nr 1, pp 180-186 (USSR)

ABSTRACT:

Phosphorus-organic compounds improve the properties of lubricating oils. In the present paper the authors describe the effect of esters of unsaturated phosphinous acids on the antioxidizing properties of the MS-2C mineral oil. The evaluation of these properties was performed by the four methods: 1. thermal oxidizing stability, 2. volatility, 3. working fraction and 4. varnish formation (GOST 5737-53), and the results were compiled into tables. Their analysis leads to the following conclusions: 1. The antioxidizing properties of unsaturated phosphinous acid esters are improved: a. with the introduction of the phenyl group in diethyl, diallyl and dihexyl esters; b. with the presence of the indenyl group in diethyl and diallyl esters; c. with an increase in the length of the hydrocarbon radical (from C<sub>2</sub> to C<sub>6</sub>) in diallyl and dihexyl esters; d. with an increase in the length of the chain of the ester grouping radical (from C<sub>2</sub> to C<sub>6</sub>) in esters of the  $\beta$ -butoxivinyl-

Card 1/2

EOV/60-59-1-29/44

Effect of Esters of Unsaturated Phosphinous Acids on the Antioxidation Properties of Mineral Oil

phosphinous,  $\beta$ -phenylvinylphosphinous and  $\beta$ -hexyloxivinylophosphinous acids. 2. Among the compounds investigated dihexyl esters of unsaturated phosphinous acids possess the highest antioxidizing properties.

There are 5 tables and 2 references, 1 of which is Soviet and 1 American.

ASSOCIATION: Institut elementoorganicheskikh soedineniy AN SSSR (Institute of Elemental Organic Compounds of the AS USSR)

SUBMITTED: May 23, 1957

Card 2/2

SOV/60-32-2-22/56

AUTHORS: Papok, K.K., Anisimov, K.N., Zuseva, B.S., Kolobova, N.Ye.

TITLE: Effect of Tetraalkyldiamides and Dipiperidides of Unsaturated Phosphine Acids on the Antioxidation Properties of Mineral Oil (Vliyaniye tetraalkildiamidov i dipiperididov nepredel'nykh fosfinovykh kislot na antiokislitel'nyye svoystva mineral'nogo masla)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 2, pp 358-363 (USSR)

ABSTRACT: The effect of diamides and dipiperidides of unsaturated phosphinic acids on the antioxidizing properties of the oil MS-20 is investigated here. The dipiperidide radical in the compounds increases their anticidizing property. Phenyl and phenoxy groups increase the antioxidation properties only in tetraethyldiamides, but not in other compounds. The lengthening of the carbon radical in the group  $(NR_2)_2$  from  $C_2$  to  $C_4$  reduces anti-oxidation in tetraethyldiamides and tetrabutylidiamides. Tetraalkyldiamides and piperidides of unsaturated phosphinic acids

Card 1/2

SOV/80-32-2-22/56

Effect of Tetraalkyldiamides and Dipiperidides of Unsaturated Phosphine Acids  
on the Antioxidation Properties of Mineral Oil

have higher antioxidizing properties than the esters of unsaturated phosphinic acids.

There are 4 tables and 1 Soviet reference.

ASSOCIATION: Institut elementoorganicheskikh sovedineniy AN SSSR (Institute of Element-Organic Compounds of the USSR Academy of Sciences)

SUBMITTED: May 23, 1957

Card 2/2

301/80-32-5-33/45

5(3)

AUTHORS:

Papok, K.K., Anisimov, K.H., Euseva, H.S., Kolobova, H.Ye.

TITLE:

The Effect of Thio-Compounds of Unsaturated Phosphinic Acids on the Anti-Oxidation Properties of Mineral Oil (P'izmeneniye tiosoyedineniy nepredel'nykh fosfinovykh kislot na antiokislitel'nyye svoystva mineral'nogo masla)

PERIODICAL:

Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 3, pp 656-659 (USSR)

ABSTRACT:

The effect of the dithioethyl ethers of unsaturated phosphinic and thiophosphinic acids and of the ethers of alkylthioalkylphosphinic acids on the antioxidation properties of the oil MS-20 is investigated here. The best result is obtained with the dithioethyl ether of the  $\beta$ -ethoxyethylvinylphosphinic acid. The introduction of sulfur into the ethers of unsaturated phosphinic acids increases their antioxidation properties sharply. The ethers of alkylthioalkylphosphinic acids have no effect on the stability against thermal oxidation.

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SOV/80-32-3-23/43

The Effect of Thio-Compounds of Unsaturated Phosphinic Acids on the Anti-Oxidation Properties of Mineral Oil

There are 2 tables and 2 Soviet references.

SUBMITTED: December 17, 1957

Card 2/2



28(5)

AUTHORS:

Sinitsyn, V.V., Papok, K.K., Zuseva, B.S. SOV/32-25-11-34/69

TITLE:

Method for the Classification of the Volatility of Plastic Lubricants

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 11, pp 1349-1351 (USSR)

ABSTRACT:

A number of methods of lubricant quality control used at present possess a low reproducibility. An accelerated method based on the measurement of the loss in weight of a lubricant sample has been developed. The latter is applied to a standard vaporizer (diameter 21.4 mm) (GOST 5737-53) in a layer of 1 mm thickness and kept for 1-3 hours in a special thermostat at a certain temperature. A thermostat with film formation as it is normally used for the volatility determination of oils was used (Ref 1). Vaporizers with ring-shaped shelves (Fig 1) were used besides standard vaporizers. The TsIATIM-201 lubricant was tested and it was found that the weighed portions are different in the case of different vaporizers, which is also reflected in the volatility measurements (Fig 2). A satisfactory reproducibility of the measurement results is achieved with weighed portions of the

Card 1/2

Method for the Classification of the  
Volatility of Plastic Lubricants

SOV/32-25-11-34/69

lubricant of 0.3 - 0.32 g only. It was observed that the location of the vaporizers in the thermostat does not affect the measurement results (Fig 3). Volatility determinations of the MVP and MK-8 lubricants, thickened in one case by means of aluminum stearate (sample liquid) and in the other case with lithium stearate (sample plastic) gave different measurement results under the same conditions. The duration of the test is reduced by increasing the test temperature (Table 1, lubricants of types OKB-122-7-5, OKB-122-5a, TsIATIM-201, and 2TsKPa), which, however, must not exceed the melting point of the thickening substance. A certain working technique, which yielded well reproducible determination results, is recommended (Table 2, results for lubricants of types TsIATIM-201, GSA, OKB-122-7). There are 3 figures, 2 tables, and 2 Soviet references.

ASSOCIATION: Nauchno-issledovatel'skiy institut goryuche-smazochnykh materialov (Scientific Research Institute of Fuels and Lubricants)

Card 2/2

SINITSYN, V.V.; PAPOK, K.K.; ZUSEVA, B.S.

Method for evaluating the volatility of plastic lubricants. Zav.lab.  
no.11:1349-1351 '59. (MIRA 13:4)

1. Nauchno-issledovatel'skiy institut goryuche-smazochnykh materialov.  
(Lubrication and lubricants)

ZUSEVA, B.S.

ISZAGULJANG, V.I. [Isagulyants, V.I.] (Leningrad); TISKOVA, V.N. [Tishkova, V.N.] (Leningrad); PAPOK, K.K. (Leningrad); ~~ZUSZINA, B.S.~~ [Zuseva, B.S.] (Leningrad)

Investigation of the synthesis of additives of mineral-oil products.  
I. Preparation of substituted phenol-sulfide and phenol-disulfide  
metal salts. Tr. from the Russian. Kem.tud.kozl.MTA 12 no.3:257-264  
'99. (ERAI 9:4)

1. Leningradi Tudományegyetem.  
(Mineral oils) (Phenols) (Sulfides) (Salts)

PAPOK, K.K.; ZUSEVA, B.S.; primavali uchastiye: ZAKHUBIN, A.P.; ZAKHAROV, A.V.;

Properties of MT-16 oils obtained from different crudes. Khim.  
i tekhn. topl. i masel 5 no.6:36-39 Je '60. (MIRA 13:?)  
(Lubrication and lubricants)

PAPOK, K.K.; ZUSEVA, B.S.

Effect of alkyl polysiloxanes on the washing potential of oils.  
Khim.i tekhn. topl.i masel 7 no.9:60-61 S '61. (MIRA 15:8)  
(Silicon organic compounds)  
(Lubrication and lubricants--Additives)

36356  
S/081/62/000/005/083/112  
B162/B101

11 9700  
AUTHORS:

Papok, K. K., Zarubin, A. P., Zuseva, B. S., Danilin, V. P.,  
Zakharov, G. V., Kuznetsov Ye. G., Slavinskiy, A. G.

TITLE:

Set of methods for evaluating the effects of additives on the  
operating properties of motor oils

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 5, 1962, 528-529,  
abstract 5M216 (3b. "Prisadki k maslam i toplivam".  
M., Gostoptekhizdat, 1961, 254-263)

TEXT: It is proposed that the operating properties of motor oils  
containing additives be evaluated by a series of laboratory methods  
consisting of 3 groups: (1) micromethods (total consumption of oil, 10 ml),  
(2) tests on M3B (PZV) and M33 (PZZ) apparatus (total consumption of oil,  
0.5 l) and (3) tests on the IT9-5 (IT9-5) and IT9-3 (IT9-3) single  
cylinder engines (total consumption of oil, 2.5 l). The first group  
covers determination of: thermooxidizing stability and coefficient of  
lacquer formation POCT4953-49 (GOST 4953-49) and POCT9352-60 (GOST 9352-  
-60)), motor volatility, active fraction and tendency to form lacquer

Card 1/3

S/081/62/000/005/083/112  
B162/B101

Set of methods ...

(ГОСТ 5737-53 (GOST 5737-53)), thin-layer evaporation of the oil  
(ГОСТ 8674-58 (GOST 8674-58)), critical lacquer formation temperature  
(method described) and the scale-forming properties by evaporating 0.2 g  
(method described). On the PZV apparatus, they evaluate the washing  
properties of the oil according to ГОСТ 5726-52 (GOST 5726-52) and the  
emulsifying properties (method described). In the test on the PZZ  
apparatus the oil is mixed with air and circulated at 150°C through a cell  
with lead and copper plates, and after 2 hrs circulation the corrosion of  
the lead plates is determined, the sediment in the oil on diluting with  
isooctane and the evaporation of the oil during the test (method described).  
On the IT9-5 engine primary motor tests are carried out by the НИИ GSM-20  
method for 20 hrs, evaluating the formation of lacquer on the piston and  
the corrosion properties of the oil from the loss in weight of the lead  
plates in the cell through which the working oil circulates. On the IT9-3  
engine the scale-forming capacity of the oil is evaluated by the PZI  
(method described), by which the quantity of scale on aluminum surfaces

Card 2/3



Set of methods ...

S/081/62/000/005/083/112  
B162/B101

in the precombustion chamber of the engine is determined, the oil being added in a quantity of 3% to the fuel (TS-1 (TS-1) or white spirit) and 4 five-minute tests being carried out for each oil sample. The results of the evaluation of oils with different additives using these methods are given. [Abstracter's note: Complete translation.]

✓

Card 3/3

39531

S/065/62/000/008/003/003  
E075/E135

11.9700

AUTHORS: Papok, K.K., and Zuseva, B.S.

TITLE: A new method for evaluating the detergent effectiveness of additives

PERIODICAL: Khimiya i tekhnologiya topliv i masel, no.8, 1962, 66-70

TEXT: The reserve of detergent potential of lubricating oils was evaluated by the proportion of a standard deposit-forming substance which the oils can contain without formation of large insoluble aggregates. The tests were conducted in a cylindrical steel vessel, 50 mm high, 27 mm in diameter, covered with a metal cap with a central hole 1 mm in diameter. The cylinder is filled with 5 m<sup>3</sup> of oil and heated at 250 °C for 30 min. The oil is then dissolved in 45 m<sup>3</sup> of benzine and filtered through a filter "ШОТТА" ("Shotta") no.4. Increasing amounts of 5% solution in mineral oil of the standard contaminant B-353 (B-353) (ester of dialkylphenoldiphosphoric acid) are added to the investigated oil and the maximum proportion of the contaminant found at which the filter is not coloured or only

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Card 1/2

A new method for evaluating the ...

S/065/62/000/008/003/003  
E075/E135

slightly coloured. The detergent potential is given by

$$\frac{\vartheta}{100 - \vartheta} \times 10$$

where  $\vartheta$  is the maximum quantity of the standard contaminant in percent weight added to the oil under investigation. To ensure that a given detergent oil performs satisfactorily in thermally stressed engines it should have a high thermooxydation stability (above 80), good detergent properties as determined by ПЗВ (PZV) apparatus (0), and high detergent potential (above 60). There are 3 figures and 3 tables.

X

Card 2/2

ПАРОК, К.К.; ZUSEVA, B.S.

Grade estimation of various kind of oils by laboratory methods.  
Khim. i tekhn. topl. i masel. 8 no.3:62-64 Nr '63.  
(MIRA 16:4)

(Lubrication and lubricants—Testing)