

BIERNACKI, Marian; JABLONSKI, Leon

Characteristics of staphylococci in the personnel of a pediatric clinic. Przegl. epidem. 14 no.4:417-422 '60.

1. Z Katedry Mikrobiologii Lekarskiej A.M. w Lublinie Kierownik:  
prof. dr J.Parnas z Kliniki Pediatricznej A.M. w Lublinie Kierownik:  
prof. doc. dr. W.Klepacki [deceased].  
(STAPHYLOCOCCAL INFECTIONS transm)  
(HOSPITALS)

PROCEDURES AND PROPERTIES INDEX

5

**Mechanical Properties and Heat Treatment of Structural Steels with Inverted Cr: Ni Ratio.** T. Bierpacki and L. Bukowiecki. (Wiadomości Instytutu Metalurgji i Metaloznawstwa, 1938, vol. 3, No. 3, pp. 157-169). The authors present the results of tests made on the heat treatment and mechanical properties of steels containing 0.17-0.53% of carbon, about 2.8% of chromium and about 1.5% of nickel. The mechanical properties of these steels, in which the chromium/nickel ratio is 2:1, equal and even surpass those of the steels usually employed in which the chromium/nickel ratio is 1:3. With suitably selected contents of nickel and molybdenum, an increase in the carbon content does not set up brittleness; on the contrary, it produces steels of very great strength. Owing to the higher chromium contents in the steels studied (as compared with the Cr-Ni steels in normal use), their  $A_c$  and  $A_{c1}$  points are raised; this makes annealing and tempering possible at higher temperatures, and as a result the hardness decreases (giving good machinability), the ductility rises and the tensile strength (depending on the carbon content) remains satisfactory. There are two temperature ranges which are particularly suited for the tempering of the steels examined; a hard condition is produced at temperatures not exceeding 200° C., and a semi-hard or soft condition between 600° and 700° C. The depth-hardening of these steels when quenched in large sections is good. These steels are easily case-hardened; after suitable heat treatment, the hardness of the skin is high and the core is strong and has good mechanical properties.

A B S T R A C T METALLURGICAL LITERATURE CLASSIFICATION

8500 8500

8500 8500		8500 8500	
8500 8500	8500 8500	8500 8500	8500 8500

*PTA*  
*in the water*

1159

627.94.86 : 002(084.3)

**Biernacki, L. Principles of Compiling Technical Documentation for Water Power Plants.**

„Zasady sporządzania dokumentacji technicznej dla siłowni wodnych”. *Gospodarka Wodna*. No. 3, 1951, pp. 93—96, No. 4—5, 1951, pp. 166—168.

Details of postulates of design; decisions as to the wisdom and practicability of investments. Scope of the preliminary plan for water power plants; necessity for alternative suggestions. The technical project as the natural development of the preliminary plan. Scope of the technical project for water power plant construction. Working drawings, constructional and erection methods, operating instructions. Valuation of individual phases of planning in relation to the complete scheme.

BIERNACKI, T.

"Some Characteristics of the Rural Water-power Stations." p. 193 (GOSPODARKA WODNA, Vol. 13, No. 6, June 1953) Warszawa

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No 10, October 1953. Unclassified.

BIERNACKI, T.

BIERNACKI, T. Application of sequential analysis for the determination of the strength of water-power plants. p.313. Vol. 3, no. 4, 1956. ARCHIWUM HYDROTECHNIKI. Warszawa, Poland

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

*BIERNACKI, T.*

BIERNACKI, T.

A few remarks on water-power engineering in Switzerland.

p. 460 (Gospodarka Wodna) Vol. 17, No. 10, Oct. 1957, Warszawa, Poland

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

BIERNACKI, T.

"Principles of determining the economic usefulness of water-power electric plants in Switzerland."

p. 511 (Gospodarka Wodna) Vol. 17, no. 11, Nov. 1957  
Warsaw, Poland

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

BIERNACKI, T.

12th Sectional Meeting of the World Power Conference, Montreal, September 1950.  
p. 61.

PRZEGLAD ELEKTROTECHNICZNY. (Stowarzyszenie Elektrykow Polskich). Warszawa,  
Poland. Vol. 35, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 8, Aug. 1959.

Uncl.



BIERNACKI, Tomasz, dr '62.

Marcello type heavy economy dams. Gosp wodna 24 no.11:  
430-434 N '64.

1. Technical University, Gdansk.

BIERNACKI, Tomasz, dr inż.

Water power plants equipped with tubular turbines. Gosp wodna  
25 no.1:11-20 Ja '65.

1. Technical University, Gdansk.

BIALKIEWICZ, Zbigniew, mgr inż.; SCISLOWSKI, Włodzimierz, prof, dr; BIERNACKI,  
Tomasz; WAJS, K.

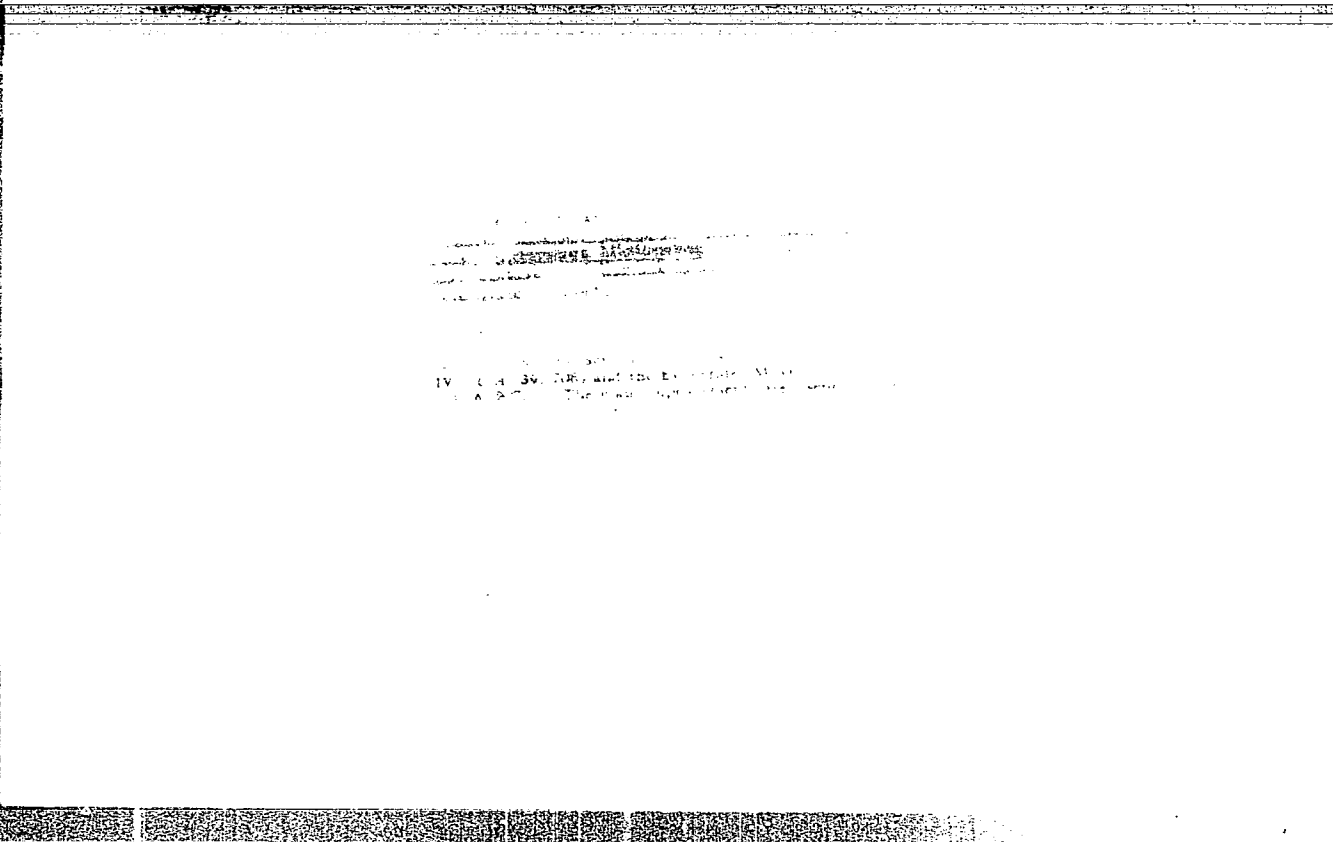
Review of technical publications. Przegl elektrotechn 41 no.2:  
73-75 F '65.

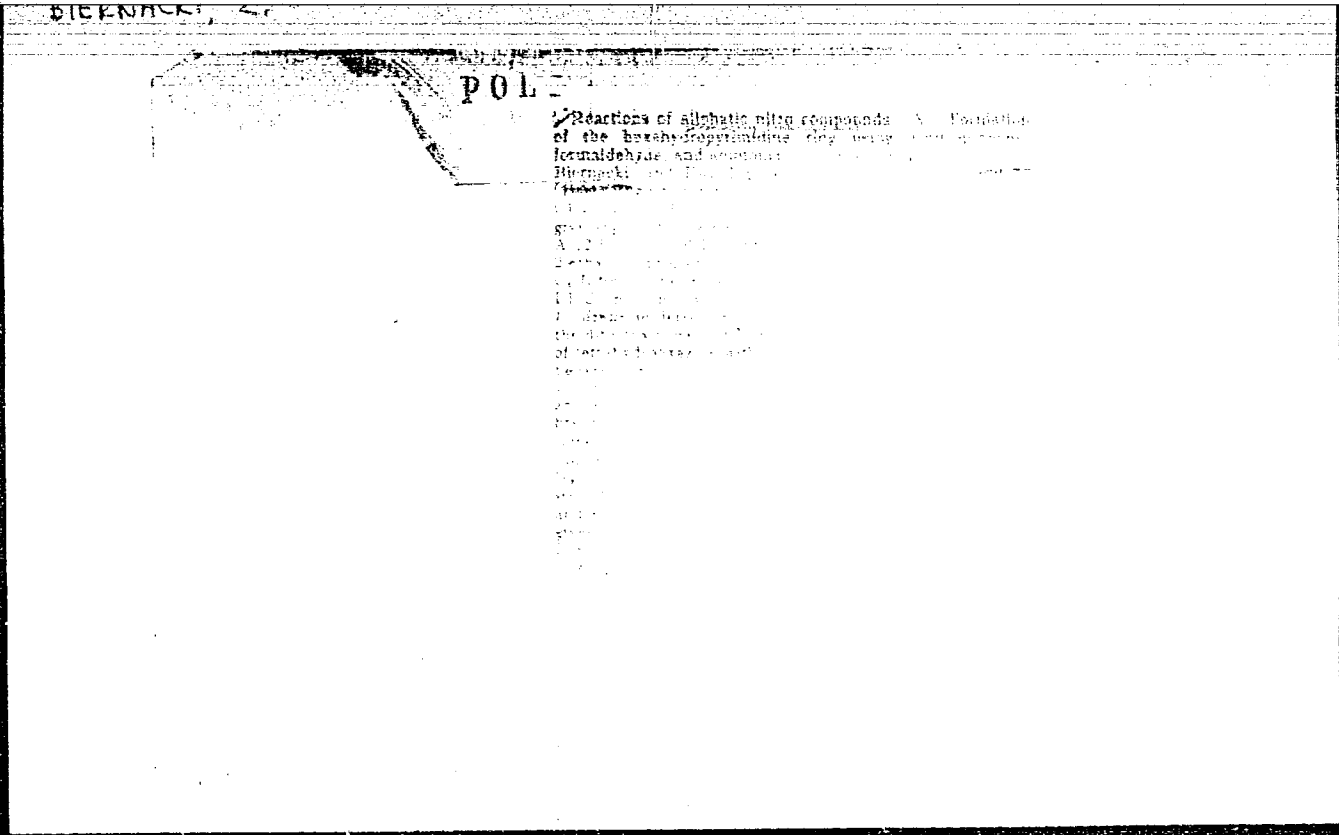
BIERNACKI, W.

An attempt at establishing some principles of evaluating mineral raw material.  
p. 149.

PRZEGLAD GEOLOGICZNY. (Wydawnictwa Geologiczne)  
Warszawa, Poland. Vol. 7, no. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI) LC. Vol. 8, No. 7, July 1959  
Uncl.





BIERNACKI, ZYGMUNT

Moj rasowy pies. (Wyd. 1.) Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1956.  
85 p. (My thoroughbred dog. 1st ed.)  
DA Not in DLC

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

MOSTOWSKI, Jerzy; BIERNAT, Eugenia; DYDAS, Juliusz

Increase of potassium in the plasma of preserved blood. Pol. med.  
wewnet. 32 no.7:873-876 '62.

1. Z Wojewodzkiej Stacji Krwiodawstwa w Krakowie Kierownik: dr med.  
J. Mostowski.

(POTASSIUM)

(BLOOD PRESERVATION)



BIERNAT, Gertruda (Warszawa)

Discovery of the oldest traces of animals. Wszechswiat  
no.4:91-94 Ap '62.

BIERNAT, Gertruda

Obolus apollinis Richwald from the borehole in Podborowisko.  
Kwartalnik geol 8 no.1:73-76 '64.

1. Zaklad Paleontologii, Instytut Geologiczny, Warszawa.

BIERNAT, Gertruda

Middle Devonian Atrypacea (Brachiopoda) from the Gory Swietokrzyskie Mountains in Poland. Acta palaeont Pol 9 no.3:277-356 '64.

1. Institute of Palaeontology of the Polish Academy of Sciences,  
Warsaw.

BIERNAT, J.

J. BIERNAT, "Compounds of negative cobalt." Chemical News (Poland)  
No. 3, March 1955, pp. 129-184

ch ✓ Polarographic reduction of hypomanganate. Jan Bieganski  
 and Bogusława Jęziowska-Trachbistowska (Inst. Technol.  
 Wrocław, Poland). *Kochanski Chem.* 29, 182-81 (1955) (Eng-  
 lish summary).—Two kinds of polarographic curves were ob-  
 tained by reduction of  $\text{Na}_2\text{MnO}_4$  at the dropping Hg cathode  
 in concd. solns. of NaOH. With greater than 18 moles/l.  
 NaOH,  $\text{Mn}^{6+}$  was reduced to  $\text{Mn}^{4+}$  at  $-0.78$  v. ( $E_{1/2}$ ).  
 In 8 to 13 moles/l. NaOH the reduction proceeded from  
 $\text{Mn}^{6+}$  to  $\text{Mn}^{5+}$  to  $\text{Mn}^{4+}$  to  $\text{Mn}^{3+}$ . Addn. of a small  
 amt. of  $\text{BiOH}$  made the 3 waves disappear, giving rise to a  
 new wave in the region of more neg. potentials corresponding  
 to reduction of  $\text{Mn}^{6+}$  to  $\text{Mn}^{3+}$  and having a height equal to  
 that of the 3 previous waves combined. The "water-re-  
 duction" wave did not appear in concd. solns. of NaOH, and  
 the low O-reduction wave was disregarded. P D

11  
 ①

BIERNAT, J.; KORYTA, J.

Kinetics of electrode processes of complex compounds in polarography.  
VI. Separation of a complex with nitrilotriacetic acid. Coll Cz Chem  
25 no.1:38-46 Ja '60. (EEAI 9:12)

1. Institut für anorganische Chemie, Universität Wrocław, Polen  
(for Biernat). 2. Polarographisches Institut, Tschechoslovakische  
Akademie der Wissenschaften, Prag. (for Koryta)

(Electrodes)

(Polarograph and polarography)

(Manganese)

(Nitrilotriacetic acid)

(Complex compounds)

P/014/61/040/003/004/005  
A221/A126

AUTHORS: Biernat, Janusz; Głowacz, Kazimierz; Łoziński, Jan; Pilch, Władysław and Stachurski, Józef

TITLE: Production of commercial concentrates of zircon, ilmenite and monazite from indigenous sea sands

PERIODICAL: Przemysł Chemiczny, no. 3, 1961, 149-150

TEXT: In this article a method is described by which zircon, ilmenite and monazite concentrates can be obtained from sea sands. For several years the Instytut Metali Lekkich (Light Metals Institute) carried out investigations in that direction but without success. The authors managed to develop the method by which a product of standard purity can be obtained. The final zircon concentrate is obtained by separating same from rutile by means of flotation. Before floating the mixture of zircon and rutile grains must be specially treated with 0.4% solution of fatty acid salts at 95°C. By doing so selective adsorption takes place and fatty acid anions are adsorbed by zircon

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Production of commercial ...

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A221/A126

grains. After this treatment the grains are washed first in water and afterwards with diluted sulfuric acid. Fatty acids adsorbed are now converted into fatty acids hard to solve. Fatty acids are not wetted by water, therefore zircon grains are becoming hydrophobic. From the mixture so prepared, titano-magnetite, ilmenite and garnet are removed by magnets and the remaining grains diverted into flotation chamber. Before flotation this mixture contained about 70% zircon, 14% rutile and 14% of other opaque minerals. After flotation the concentration of zircon is increased to 97% with 87% efficiency. Obtaining ilmenite concentrate: From the sea sands treated with magnetic enrichment, a mixture of ilmenite and titano-magnetite was obtained. This mixture was roasted in CO atmosphere at 700°C. The product of this treatment was subjected to another magnetic enrichment from which two products were obtained: The titano-magnetite and ilmenite with 50.25% of TiO<sub>2</sub>. Monazite separation: In sea sand samples 0.1% of monazite was detected. In the concentrate obtained there were 90.97% of monazite, 1.5% zircon, 0.9% of garnets and 6.63% of opaque minerals. (Abstractor's note: No details of monazite extraction are given.) The authors conclude: Polish sea

Card 2/3



Production of commercial ...

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A221/A126

sands are raw materials for commercial concentrates of zircon, rutile, ilmenite, monazite and titano-magnetite. Zircon and rutile are separated by flotation. Separation of ilmenite from titano-magnetite is achieved by reducing roasting and magnetic separation. There are 6 references: 3 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: Non-Ferrous Ore Dressing in the USA. Documentation nr 54 Published by the Organization for European Economic Cooperation, Paris. H.H. Dunkin, Ore Dressing Methods in Australia and Adjacent Territories, Melbourne, 1953. K.L. Sutherland, I.W. Wark, Principles of Flotation, Melbourne 1955. ✓

ASSOCIATION: Katedra Przeróbki Mechanicznej Kopalni Akademii Górniczo-Hutniczej (Mining and Metallurgical Academy, Chair of Mechanical Processing of Mined Raw Materials) Kraków.

SUBMITTED: 15 December 1960

Card 3/3

BIERNAT, Janusz; LOZINSKI, Jan

Hydroxyl ion concentration affecting the field of flotated zirconium  
in the zircon activation process. Przem chem 40 no.10:602-603 0 '61.

1. Katedra Przerobki Mechanicznej Kopalni, Akademia Gorniczo-Hutnicza,  
Krakow i Katedra Mineralogii i Petrografii, Uniwersytet Jagiellonski,  
Krakow.

BIERNAT, J.

Utilization of irreversible electrode processes in  
polarographic testing of complexes. Wiad chem 17  
no.1:48 Ja '63.

TASCHNER, E.; RZESZOTARSKA, B.; BIERNAT, J.F.; GRUDZINSKI, S.

New methods for the synthesis of monoesters of aspartic and glutamic acids. Coll Cz Chem 27 no.9:2234-2235 S '62.

1. Department of General Chemistry, Institute of Technology, Gdansk, Poland (for Taschner).

TASCHNER, E.; CHIMIAK, A.; BIERNAT, J.F.; WASIELEWSKI, C.

t-butyl monoesters of carbobenzoxyamino-dicarboxylic acids and their application in the synthesis of dipeptides. Coll Cz Chem 27 no.9:2237 S '62.

1. Department of General Chemistry, Institute of Technology, Gdansk Poland (for Taschner).

TASCHNER, E.; SOKOLOWSKA, T.; BIERNAT, J.F.

Synthesis of ophthalmic and norophthalmic acids. Coll Cz Chem 27  
no.9:2237-2238 S '62.

1. Department of General Chemistry, Institute of Technology, Gdansk,  
Poland (for Tachner).

*BIERNAT, Janusz*

POLAND

BIERNAT, Janusz

Academy of Mining and Metallurgy (Akademia Gorniczo-Hutnicza)

Warsaw, Przegląd geologiczny, No 9, Sept 63, pp 423-26.

"Chemical Composition and Crystallochemical Type of Silicates and Their Flotation Properties".

BIERNAT, Janusz, dr inż.

Most important reagents used for the flotation of sulfides. Rudy  
i metalu 8 no.10:375-377 '63.



BIERNAT, Janusz

Chemical composition and crystallochemical type of silicates and their flotation properties. Przegl geol 11 no.9:423-426 S'63

1. School of Mining and Metallurgy, Krakow.

BIERNAT, J.F.

New chemical methods of selective splitting of peptide bonds.  
Wiad chem 18 no.12;727-728 D '64.

Immediate transformation of pyridine into a benzene derivative.  
Ibid.:728

L 36892-66 RM

ACC NR: AP6027110

(N)

SOURCE CODE: PO/0099/66/040/001/0133/0134

AUTHOR: Sokolowska, Teresa; Biernat, Jan F.

23  
B

ORG: Department of General Chemistry, Polytechnic Institute, Gdansk (Katedra Chemii Ogolneu Politechniki)

TITLE: Stereoselectivity in peptide syntheses

SOURCE: Roczniki chemii - annales societatis chimicae polonorum, v. 40, no. 1, 1966, 133-134

TOPIC TAGS: chemical synthesis, solvent action, temperature effect, chemical reaction

ABSTRACT: It has been found that the substitution reaction of peptides from racemic substrates gives rise to unequal amounts of diastereoisomeric racemates L - L / D - D and L - D / DL. Process temperature and the solvent used exert an effect on stereoselectivity. Orig. art. has: 1 table. [JPRS: 35,397]

SUB CODE: 07/SUBM DATE: 05Apr65/ORIG REF: 001/ OTH REF: 002

LS  
Card 1/1

2

POLAND

JEZIORO, Zdzislaw, BIELAWSKI, Janusz, BIERNAT, Mieczyslaw, KRZYWY, Tadeusz, and BUGAJSKI, Adam, Third Surgical Clinic (III Klinika Chirurgiczna) AM [Akademia Medyczna, Medical Academy] in Wroclaw (Director: Prof. Dr. med. Z. JEZIORO) and the Institute of Immunology and Experimental Therapy (Instytut Immunologii i Terapii Doswiadczalnej) in Wroclaw (Director: Prof. Dr. med. St. SLOPEK)

"Studies on the Effect of Neomycine on the Bacterial Flora of the Digestive Tract."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 11, 11 Mar 63, pp 397-400.

Abstract: [Authors' English summary] Authors report results of their studies on the bacterial flora of the digestive tract of persons with digestive diseases and on the sensitivity of these bacteria to neomycine prior to the operation. Clinical observations on the effect of neomycine in surgery are also mentioned. Experimental studies should be made before any conclusions concerning the use of neomycine in surgery can be drawn. The 15 references include 2 each Polish and Czech, one French, and 10 English.

1/1

BERNAT, Sebastian

The Tertiary in the vicinity of Korfantowo, Opole Voivodeship.  
Kwartalnik geol 5 no.4:956 '61.

1. Zaklad Zloz Wegli, Instytut Geologiczny, Warszawa.

BIERNAT, Sebastian

Effect of the sculpture and tectonics of the bed upon the formation of lignite deposits in the Kujawy region and the consequences of their partial destruction during the glacial period. Kwartalnik geol 6 no.2:411-412 '62.

1. Zaklad Zloz Wegli, Instytut Geologiczny, Warszawa.

BIERNAT, Sebastian

Influence of substratum relief and tectonics on the development of brown coal deposits in Kujawy Province and the consequences of their partial destruction during the glacial period. Przegl geolog 10 no.7:329-333 J1 '62.

1. Instytut Geologiczny, Warszawa.

PRUSZCZYNSKI, Aleksandr; PAWLOWSKI, Lech; LEGIEWSKI, Aleksander;  
BIERNAT, Stanislaw

Some statistical data concerning arteriosclerosis and myocardial infarction with special reference to the age, sex and co-existing diseases according to autopsy studies performed during 1950-1959 in the Institute of Pathological Anatomy of the Academy of Medicine in Lodz. Postepy hig. med. dosw. 15 no.6:727-732 '61.

1. Z Zakladu Anatomii Patologicznej AM w Lodzi Kierownik: prof. dr. A.Pruszczyński.

(CORONARY DISEASE statist) (MYOCARDIAL INFARCT statist)



BIERNAT, Stanislaw; KIELCZYNSKA, Krystyna

A case of cystic lung degeneration in a 4-month-old infant. *Pediat.*  
Pol. 37 no.1:83-88 Ja '62.

1. Z Zakladu Anatomii Patologicznej WAM w Lodzi Kierownik: prof. dr  
med. A. Pruszczyński i ze Szpitala Chorob Dzieciacych im. Jakubowskiego  
w Lodzi Dyrektor: dr med. H. Konczynski.

(LUNG DISEASES in inf & child)

MAZUREK, Ludwik Jerzy; DMOCHOWSKI, Jan Rafal; BIERNAT, Stanislaw

Experimental studies on vesicorectal fistula in dogs. Polski przegl. chir. 33 no.11a:1419-1424 '61.

1. Z I Kliniki Chirurgicznej AM w Lodzi Kierownik: prof. dr M.Stefanowski z Zakladu Patologii Ogolnej AM w Lodzi Kierownik: prof. dr F.Venulet z Zakladu Anatomii Patologicznej AM w Lodzi Kierownik: dr A.Pruszczynski.  
(VESICAL FISTULA exper) (RECTAL FISTULA exper)

BIERNAT, S.

POL.

1189

550 823.1 (04) 01 : 627.32

Głogoczowski J., Biernat S. Spectrochemical Logging of Oil Wells,  
„Metodyka spektrochemicznego profilowania odwiertów naftowych”.  
Główny Inst. Naft. No. 24, Świdnica, 1953, PWT, 10 pp. 0 figs. 5 tabl.

The first part of the report gives a general outline of the geochemistry of oil and natural gases, with particular reference to trace elements. Knowledge of the distribution in sedimentary rocks of certain of these elements, and determination of their percentage content in oil are of major importance in arriving at conclusions as to the origin of bituminous substances. To be familiar with these matters is of considerable practical value, since it facilitates prospecting and, above all, makes possible the correlation of levels when drilling in apparently uniform geological formations. The second part of the paper deals with results obtained in working out the problem of spectrochemical well logging. A method was, inter alia, evolved for quantitative relative spectrochemical analysis to be applied to logging. This method possesses all the necessary advantages, i.e. speed and adequate accuracy for correlation purposes. It eliminates the necessity of preparing analytical formulae. The paper gives, moreover, details of a method drawn up by the Geo-Analytical Department of the Petroleum Institute, for quanti-

After determination of nickel and manganese in rocks. This method requires that an analysis be carried out on samples of finely ground rock to which cobalt oxide has been added. The substance to be examined is placed in the groove of a carbon electrode and burnt in an A.C. purified air.

BIERNAT, Z.

*fuels*

Polish Technical Abst.  
No. 4, 1953  
Mining

2364 ✓

545.82:550.5:62.241

Glogoczowski J., Biernat Z. Spectrochemical Logging of Oil Wells. Spektrochemiczne protilowne odwiertow naftowych. Nafta. No. 1, 1953, pp. 4-7, 2 figs. Principles of the spectrographic method of chemical analysis which is likely to prove useful in various sections of the petroleum industry--primarily for the spectrochemical logging of oil wells. This method provides accurate data, both qualitative and quantitative, as to the chemical composition of boring samples examined, its chief advantage being the rapidity with which tests can be carried out. Spectrochemical analysis makes it possible to separate, in certain strata, stratigraphically defined horizons which can serve as a guide for geological correlation. The authors specify, in addition to the systematics of spectrochemical analysis, provisional data of tests carried out by this method in the Krosno formation. The authors conclude that this method, which is one of the links in the most recent branch of science--geochemistry--is likely considerably to facilitate geologic prospecting work.

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**APPROVED FOR RELEASE: 06/08/2000**

**CIA-RDP86-00513R000205310006-4"**

Also, attempt at horizon-analysis of Carpathian foothills

BIERNAT, Z.

Spectrographic determination of trace elements in rocks. p. 775

CHEMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa, Poland. Vol. 3, No. 5/6, 1958

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

Uncl/



Biernat, Zofia

5

The copper rotating-disk electrode in the spectrographic analysis of lubricating oils, crude oils, and natural brines. Zofia Biernat and Alicjuszka Salecki (Inst. Naftowy, Kraków, Poland). *Biol. Inst. Naftowy*, 8, 7-8 (1958).  
Pub. in *Nafta* (Poland) 14, No. 7 (1958).—A device composed of a spark generator and a Cu rotating-disk electrode (30 mm. in diam. and 2 mm. thick) was used for detg. trace amounts of metal in lubricating oils, crude oils, and natural brines. It was found very useful in detg. Pb in lubricating oils. Heavy petroleum products, such as paraffin wax or asphalt, can be examined directly, whereas light products must be freed from volatile constituents. Z. Kurtyka

*Biernat, Zofia,*

POLAND/Analytical Chemistry. Analysis of Inorganic  
Substances.

E

Abs Jour: Ref Zhur-Khim., No 9, 1959, 31053.

Author : Biernat, Zofia, Solocki, Mieczyslaw.

Inst : Petroleum Institute.

Title : Spectral Method of Determining Sequential Quantities  
of Elements in Rock Matrices.

Orig Pub: Nafta (Polska) 1958, 14, No 8, 214-216.

Abstract: This article describes the results of the studies  
carried out at the Petroleum Institute (Poland)  
on the correlation of geological cross sections  
by the method of qualitative, semi-quantitative  
and quantitative spectral analysis. In the analy-  
ses of various rock matrices (shale, marl, limestone,  
sandstone) the spectrums were photographed on an

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105

BIERNAT, Zofia, mgr.

Solid residua of deep waters as migration indicator: from the activities of the Petroleum Institute. Nafta Pol 17 no.11:300-302 '61.

1. Instytut Naftowy, ~~Krakow~~

JAWORSKA, Anna; BIFINAWSKA, Krystyna

On the management of tuberculous maxillary sinusitis. Wiad. lek.  
18 no.7:615-618 1 Ap '65

1. Z Kliniki Chirurgiczno-Stomatologicznej Slaskiej Akademii  
Medycznej w Zabrze (Kierownik: prof. dr. M. Jankowski).

BIERNATOWSKI, Kazimierz, mgr inż.

Carrying capacity of short piles in the light of field tests.  
Inz i bud 19 no.2:71-75 F '62.

1. Politechnika, Wrocław.

BIERNATOWSKI, Kazimierz (Wroclaw)

Determination of the permissible coefficient of the stability of slopes. Archiw hydrotech 9 no.2:225-238 '62.

BIERNATOWSKI, Kazimierz (Wroclaw)

Foundation of buildings on short piles. Przegł budowl i  
bud mieszak 35 no.1230-34 Ja '63.

BIERNATOWSKI, Kazimierz, dr inż.

Cohesionless soil center under the load of a rigid foundation model. Archiw hydrotech 11 no.2.221-241 '54.

Distribution of vertical stresses on the plane of the rigid contact foundation model with cohesionless soil. Ibid.:257-271

1. Technical University, Wrocław.



BIERNAWSKI, A.

A theorem on the potential of a spatial grating with four loaded nodes. Bul Ac Pol tech 10 no.1:[61]-[70] '62.

1. Structures Design Research Group, Department of Mechanics of Continuous Media, Institute of Fundamental Technical Problems, Polish Academy of Sciences, Warsaw. Presented by Z.Wasiutynski.

HRYCKO-SPIOCHOWA, Maria; BIERNAWSKI, Wieslaw

Case of cancer of the stomach with metastases localized in the skin and meninges. Neurol. neurochir. psychiat. pol. 12 no.6:929-932 '62.

1. Z Kliniki Neurologicznej Sl. AM w Zabrze Kierownik: prof. dr W. Chlopicki.

(STOMACH NEOPLASMS) (SKIN NEOPLASMS)  
(MENINGIOMA) (NEOPLASM METASTASIS)

HRYCKO-SPIOCHOWA, Maria; BIERNAWSKI, Wieslaw

A case of stomach ulcer with localized metastasis in the skin and meninges (meningitic carcinoma). Neurol neurochir psych 12 no.6:929-932 N-D '62.

1. Klinika Neurologiczna, Akademia Medyczna, Zabrze. Kierownik: prof. dr W. Chlopicki.

\*

P/006/60/008/002/002/007  
A222/A026

AUTHORS: Bierniawski, Antoni; Grochowski, Bogusław

TITLE: On Truss Design of Minimum Potential

PERIODICAL: <sup>10</sup>Rozprawy Inżynierskie, 1960, Vol. 8, No. 2, pp. 137-165

TEXT: The article contains a tentative solution of the design of a system with three loaded models, explaining the feasibility of introducing a fourth unloaded node and fixing the position of this node by designing a four-node structure for minimum potential. The article is based on the theorem previously established by the Strength Design Groups of the Zakład Mechaniki Ośrodków Ciągłych (Department of Continuous Media Mechanics), Instytut Podstawowych Problemów Techniki (Institute of Fundamental Engineering Problems), under the direction of Professor Zbigniew Wasilutyński: (1) the theorem on the equivalence of a design for minimum potential and the same volume of truss to minimum material design for a given potential; (2) the theorem on the equivalence of the minimum potential design to the design for uniform normal stresses. After extensive analysis, the author arrives at the following conclusions: under the action of three annihilating external forces acting

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On Truss Design of Minimum Potential

P/006/60/008/002/002/007  
A222/A026

upon three nodes of a triangular truss, following deformation stresses may arise in the rods of the truss: (1) stresses of equal sign, (2) stresses of a sign different in one rod from that in the other two rods. In case of (1), we will obtain a quadrangular truss of a potential not lower than that of the original truss, if an arbitrary rod of the triangular truss is removed and an unloaded node introduced, which is connected by rods with each of the given loaded nodes. In case of (2), the removal of an arbitrary rod of the original truss and introduction of a fourth, unloaded node into the triangle truss interior, results in quadrangular trusses of a potential larger than the potential of the original truss. There are 18 figures, 3 tables and 4 Polish references.

ASSOCIATION: Zakład Mechaniki Ośrodków Ciągłych IPPT PAN (Department of Continuous Media Mechanics, Institute of Fundamental Engineering Problems, Polish Academy of Sciences)

SUBMITTED: October 24, 1958

Card 2/2

BIENIEWSKI, Jan

Photographic observations of artificial satellites at the  
local meridian. Geod i kart 13 no. 1: 37-42 '64.

BIERNIS, Indriķis, prof.; VEVERS, A. [translator]; LIELPETERS, P.,  
red.; SPORANE, V., tekhn. red.

[Maintenance of agricultural machinery] Masinu glabasena lauksaimnieciba. Riga, Latvijas, Valsts izdevnieciba, 1961. 27 p.  
(MIRA 15:3)

1. Latvijas Lauksaimniecibas akademijs (for Biernis).  
(Agricultural machinery--Maintenance and repair)





NIEMCZEWSKI, Bogdan, inż.; BIERONSKI, Andrzej

Difficulties and obstacles of the inventor. Przegl tech [84]  
no.8:4 24 F '63.

BIEROWSKI, M., mgr.; PAWELKOWA, M., mgr., starszy asystent;  
ZEMBURA, Z., dr., adiunkt

The rotating disc in research on the kinetics of heterogeneous reactions. I. The theory of convectional diffusion. Wlad chem 16 no.8:497-517 Ag '62.

1. Katedra Chemii Fizycznej i Elektrochemii, Akademia Gorniczo-Hutnicza, Krakow. 2. Pracownik naukowo techniczny Katedry Chemii Fizycznej i Elektrochemii, Akademia Gorniczo-Hutnicza, Krakow (for Bierowski).

ZEMBURA, Z., doc. dr.; BIEROWSKI, M., cr.

Rotating disk in the studies of the kinetics of heterogenous reactions.  
Pt. 2. Wiad chem 18 no.4:215-232 Ap '64.

1. Department of Physical Chemistry of the Metallurgy of Nonferrous  
Metals, School of Mining and Metallurgy, Krakow.

BIERSKI, F. (Krakow)

The limited deviation of sets and its application. Annales pol math  
9 no.1:65-77 '60. (EEAI 10:9/10)

(Aggregates) (Functions)

BIERSKI, Franciszek

Evaluation of the coefficients in a class of univalent and analytical functions in the circular ring. Prace matematyczne Krakow no.7:13-16 '62.

RASZKA, Jan, ins.; BIESOVA, Marie, ins.

A world record: Extraction of 55,114 tons of coal in 31 working days at the Dukla Mine. Uhlí 4 no.9:291-297 S '62.

1. Dol Dukla Dolní Suchá, Ostravsko-Karvinský revír.

PIERUT, BOLESŁAW

Pres. Poland. Sheatiletnii plan vosstanovleniia Varshavy. (Doklad na Varshavskoi konferentsii PORP 3 iulia 1949 g.) Graficheskoe oformlenie, diagrammy, plany i makety vypolneny na osnove materialoe i proektov Biuro po planirovaniu Varshavy. (Warszawa) Ksenzka i vedza (1951) 367 p. (The Six-Year Plan for the Reconstruction of Warsaw: graphical presentation, diagrams, plans, and perspectives worked out on the basis of materials and projects of the Town Planning Office of Warsaw; a report of the Warsaw conference, July 3, 1949. In Russian. chiefly illus., ports., maps)

WaU

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

BEIRUT, B.

"An address delivered at the First National Conference of Collective Farms," p.7  
(POSTĘPY WIEDZY ROLNICZEJ, Vol. 4, no. 1, Jan/Feb. 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress  
August, 1953, Uncl.



BIENUT, E.

"First anniversary of Iosif Stalin's death." p. 73.

"The 2d Congress of the Polish United Workers Party." p. 74. (Przeład Gorniczny, Vol. 10, no. 3, Mar 54, Stalinograd)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

BIERUT, B.

We have a clearly traced path. p. 179. (SKRZYDLATA POLSKA, Vol. 10, No. 12, Mar. 1954, Warszawa, Poland)

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

BIERUT, B.

BIERUT, B. Achievements of power engineering in People's Poland; the output of electric power in the last prewar year, 1938, in the first year of the 6-Year Plan, 1950, and the last two years of the 6-Year Plan, 1954, 1955. p. 423.

Vol. 31, No 7, July 1955  
PREZEGLAD ELEKTROTECHNICZNY  
TECHNOLOGY  
Poland

So: East European Accession, Vol. 5, No 5, May 1956

BIERWAGEN, Halina, mgr inż.; GAJEWSKI, Antoni, mgr

Some indexes of the state of pollution of the Elk River.  
Gosp wodna 23 no.6:241-242 Je '63.

1. Zakład Ochrony i Użytkowania Wod, Instytut Gospodarki Wodnej,  
Warszawa.

BIERWAGEN, Halina, mgr inz.; GAJEWSKI, Antoni, mgr.

Pollution indexes of the Elk River. Gosp wodna 23 no.7:284  
Jl '63.

PRZYLUKI, Jan, dr.; BIERZYNSKI, Andrzej; SKRZYNNICKI, Wieslaw

Research on the nickel powder preparation process. Rudy i  
metale 8 no. 9:342-344 8'63.

PRZYLUKSI, Jan, dr inż.; BIERZYŃSKI, Andrzej, mgr inż.; SZERZYŃSKI,  
Wiesław, mgr inż.

Studies on the process of nickel powder production. Pt. 2.  
Rudy i metale 9 no. 5:248-249 My '64.

BIESEK, Ryszard

Methods of demethanation in collieries. Wiadom gorn 12  
no.1/2:16-22 Ja-F '61.



L 29753-66 T JK

SOURCE CODE: PO/0071/65/000/008/0485/0487

ACC NR: AP6020903

(A)

AUTHOR: Biessonov, A. S.--Bessonov, A. S.; Tlumaczyl, T. J.

25  
B

ORG: All-Union Institute of Helminthology im. Academician K. J. Skriabin, Moscow

TITLE: Effectiveness of trichinoscopy and artificial digestion of the diaphragm in the diagnosis of swine trichinosis

SOURCE: Medycyna weterynaryjna, no. 8, 1965, 485-487

TOPIC TAGS: animal parasite, commercial animal, diagnostic medicine

ABSTRACT: Results of artificial digestion study of 4,411 specimens of sections of diaphragm of slaughtered pig, all of which were negative for trichinosis, revealed the presence of trichina in 13 (0.29%), confirming the trichinoscopy will give no false negatives except in those cases where infestation is at least 1 or 2 larvae per gram of tissue. Orig. art. has: 2 tables. [Based on authors' Eng. abstract] [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 *cc*

BIESTEK, A.; BOGUCKA, H.; GAJCY, H.; KAKOL, H.

Isolation of bacteria synthesizing vitamin B12. Acta physiol. polon.  
10 no.1:115-123 Jan-Feb 59.

1. Z Zakladu Badania Organopreparatow i Witamin Instytutu Lekow w  
Warszawie Kierownik Zakladu: agr. J. Iwanowska. Dyrektor Instytutu:  
prof. dr P. Embikowski.

(GASTROINTESTINAL SYSTEM, microbiology,

bact. synthesizing vitamin B12, isolation in animals  
(Pol))

(VITAMIN B12,

isolation of gastrointestinal bact. synthesizing vitamin  
B12 in animals (Pol))

(BACTERIA,

isolation of bact. synthesizing vitamin B12 (Pol))

BIESTEK, Alina [deceased]; KAKOL, Helena; BOGUCKA, Jadwiga; GAJCY, Hanna

Attempted synthesis of testosterone from dehydroisoandrosterone by microbiological means. Acta physiol. polon. 12 no.6:881-886 '61.

1. Z Zakladu Badania Organopreparatow i Witamin Instytutu Lekow w Warszawie Kierownik Zakladu mgr J. Iwanowska.  
(TESTOSTERONE metab)

BIESTEK, Alina; KAKOL, Helena; BOGUCKA, Jadwiga; GAJCY, Hanna

An attempt to synthesize testosterone from dehydroisoandrosterone microbiologically. Acta physiol pol 12 no.6:881-886 '61.

1. Zaklad Badania Organopreparatow i Witamin Instytutu Lekow w Warszawie.  
Kierownik: mgr. J. Iwanowska. Adres autorow: Instytut Lekow, Warszawa,  
ul. Długa 16.

(Testosterone) (Chemical reactions)

BIESTEK, T.

Corrosion tests in a salt room and their standardization. p.339.  
NORMALIZACJA (Polski Komitet Normalizacyjny) Warszawa  
Vol. 23, no. 6, June 1955

So. East European Accessions List

Vol. 5, No. 9

September 1956

BIESTEK T.

POLAND / Chemical Technology. Chemical Products.  
Corrosion. Corrosion Protection.

H

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67860.

Author : Biestek T.

Inst : Not given.

Title : Comparative Accelerated Test of Corrosion Resistance of the Zinc and Cadmium Electrolytic Coatings on Steel.

Orig Pub: Prace Inst. mech., 1957 (1958), 7, No 22, 20-40.

Abstract: Corrosion behaviour of Zn-coatings (P), obtained from acid (AB) and cyanide (CB) baths and also Cd-coatings of steel were investigated. Thickness of P1 was  $30\mu$ . Composition of AB (in gr/l):  $ZnSO_4 \cdot 7H_2O$ -300,  $Na_2SO_4 \cdot 10H_2O$ - 50,  $Al_2(SO_4)_3 \cdot 18H_2O$  - 30,  $H_3BO_3$ -20; pH of 2.5 - 4.0. Composition of CB (in gr/l): ZnO - 25. NaCN - 65, NaOH - 62. Compo-

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POLAND / Chemical Technology. Chemical Products. H  
Corrosion. Corrosion Protection.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67860.

Abstract: submerged into a 10%  $\text{NH}_4\text{Cl}$  solution followed by drying in air. The difference in CR of Zn-P obtained from CB and Cd-P depends, as a rule, on the character of a corrosive medium. Thus, in the experiments conducted in a salt bath with  $\text{NH}_4\text{Cl}$  and distilled water, at  $95^\circ$ , Cd-P is found to be 60-100% more resistant than Zn-P obtained from CB. When the same test was conducted in an atmosphere containing  $\text{SO}_2$  and  $\text{CO}_2$ , their CR was found lower by 30%. As regards to Zn-P obtained from AB subjected to repeated submergence into 10%  $\text{NH}_4\text{Cl}$  solution, its CR was found 5 times lower than that of Cd-P. In the author's opinion the latter method and a method consisting in the submergence of samples into boiling distilled water, are two most

Card 3/4

12

POLAND / Chemical Technology. Chemical Products. H  
Corrosion. Corrosion Protection.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67860.

Abstract: suitable accelerated tests. In making the evaluation of corrosion it is recommended to go by the formation and appearance of the first three corrosion spots, although other criteria of appraisal may be useful in certain isolated cases.

Card 4/4

BIESTEK, T.

POLAND/Chemical Technology - Chemical Products and Their  
Application - Corrosion. Protection from Corrosion.

H-4

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8438

Author : Biestek T.

Inst : Institute of Precision Mechanics.

Title : Accelerated Laboratory Methods for the Study of Corrosion  
Utilized at the Institute of Precision Mechanics.

Orig Pub : Przegl. mech., 1957, 16, No 3, Biul. inform. YMP, 1-2

Abstract : It is noted that none of the corrosion testing methods  
is of general purpose and suitable for all metals and  
coatings. The comparison, made at the Coating Depart-  
ment of the Institute of Precision Mechanics (Poland),  
showed the following: 1. The method of testing on a  
Gardner wheel can not be recommended for the investiga-  
tion of metal coatings, but is applicable in testing

Card 1/3



POLAND/Chemical Technology - Chemical Products and Their  
Application - Corrosion. Protection from Corrosion.

H-4

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8438

which the samples are immersed for 1 minute after which they are left in the air for 14 minutes. Altogether 20 cycles (5 hours) are carried out during 24 hours; during the remaining 19 hours the samples are left in the air.

5. In order to make a comparison between actual operation data and laboratory studies in the salt chamber, the tests are conducted, in the latter, using a mist containing 2 liters SO<sub>2</sub> and 2 liters CO<sub>2</sub> per 60 liter volume of the chamber. Temperature of the tests  $37 \pm 1^{\circ}$ , relative humidity 100%; duration of the chamber test is of 5 hours, for 19 hours per 24 the samples are left in room atmosphere. This method is recommended for testing paint coatings, but is not suitable for testing coatings produced by the methods of phosphatizing and chromium coating, and for other chemical coatings.

Card 3/3

COUNTRY : Poland H-4  
CATEGORY :  
ABS. JOUR. : RZKhim., No. 22 1959, No. 78927  
AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : specimens in a solution of  $NH_4Cl$ . The other methods require considerably more time. The results from the tests have made it possible to establish a dependence of the corrosion resistance of Sn-coatings on their thickness. The corrosion resistance of passivated Sn-coatings was found to increase with thickness, while the corrosion resistance of polished Sn-coatings was found to decrease with thickness.

V. Kascheyev

CARD: 2/2

157

COUNTRY	: Poland	n-4
CATEGORY	:	
ASS. JOUR.	: RZ(Kham., No. 21 1959, No.	75241
AUTHOR	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	:satisfactory protection for a period of 2 yrs and more. The protection of parts placed on deck and exposed to the action of sea water over a similar period of time requires Cd-coatings of 30 $\mu$ thickness or Zn-coatings of greater thickness [sic] plated from a cyanide bath. The additional passivation of Cd- and Zn-coatings plated from alkaline baths markedly improves their protective properties. Zn-coatings deposited from acid baths are markedly less resistant. Two-layer Zn-Cr coatings	
CARD:	2/3	

163

COUNTRY : Poland  
CATEGORY : n-4  
ABS. JOUR. : RZKhim., No. 10 1950, No. 57396  
AUTHOR : Blanter, T.  
INSP. : Not given  
TITLE : The Conference on Corrosion Problems in Budapest  
ORIG. PUB. : Inzenglad Techn. 79, No 22, 100-100; (1950)  
ABSTRACT : A review of the papers presented at the congress held in Budapest on 24-30 September 1950.  
V. Kashcheyev

CARD: 1/1

COUNTRY : H  
CATEGORY :  
ABS. JOUR. : RZKhim., No. 23 1959, No. 82628  
AUTHOR :  
INST. :  
TITLE :  
ORIG. PUB. :  
ABSTRACT : It is noted that thinner PF, for instance  
Con'd those obtained from non-scale forming solu-  
tions, have better mechanical properties, as  
compared to other PF, particularly the adhe-  
sive properties. The drop method proved use-  
ful only for testing PF of comparatively greater  
thickness. Of the accelerated testing meth-  
ods the most rugged and rapid is that per-  
formed with the use of a salt chamber, the  
least rugged - the test performed in humid  
atmosphere. -- V. Levinson.  
CARD: 2/2  
H - 18

Distr: 4E2c

Atmospheric corrosion tests of electrodeposited two-layer Zn-Cr coatings in industrial atmospheres. *Tadusz Bielecki. Proc Inst. Mech. 8, No. 28, 23-8(1960).* The results of 5-year corrosion tests of 2-layer (Zn-Cr) coatings exposed to industrial atm. are given. Tests were carried out on the steel panels covered with Zn layers of the thickness 7-28  $\mu$ , electrodeposited from acid bath, and an outer layer of Cr of 0.5-8  $\mu$ , obtained from a Cr plating bath. Both of them were mech. polished. Best results were obtained with coatings of thickness over 23  $\mu$  for Zn layers and 1-2  $\mu$  for Cr layers. These coatings resisted about 3.5 years without traces of corrosion of the base metal (steel).

Helena Burk

H  
1- nje (50)  
1

Distr: 4E2c <sup>18</sup>

Atmospheric corrosion tests of chemically passivated, electrodeposited zinc coatings on steel. (Results of four-year tests, 1954-1958). Tadcuz. Biastek. *Prace Inst. Mech.* 8, No. 28, 53-60 (1960).—Results of four-year tests of corrosion resistance of electrodeposited and passivated Zn coatings in 4 different natural atm. are given. Tests were carried out in rural, urban, industrial, and marine conditions. The test panels were covered with Zn coatings electrodeposited from cyanide baths and passivated in 15 solns. of different compn. The best results were obtained when the soln. contg. chromic acid anhydride was used.

Also good results were obtained with the bath contg.  $\text{Na}_2\text{Cr}_2\text{O}_7$  and  $\text{H}_2\text{SO}_4$  ("Cronac" method). The best corrosion resistance was shown by the passivated zinc coatings, in rural atm., and the worst in industrial atm. Helena Burk

3  
1-7170 (10)

BIESTEK, Tadeusz, mgr. inż.

Galvanic coatings for products made for export to tropical countries. Przegl mech 21 no.11:327-330. 10 Je '62.

1. Instytut Mechaniki Precyzyjnej, Warszawa.



BIESTEK, Tadeusz, mgr inż.

Climatic factors and atmospheric corrosion of metals. Przegł  
mech 21 no.3:75-80 10 F '62.

1. Instytut Mechaniki Precyzyjnej, Warszawa.

BIESTEK, Tadeusz, mgr inż; GAWUC, Władysław, mgr inż.; HARASIMOWICZ,  
Edward, mgr.inż.

Problems of tropicalizing technical equipment. Przegl mech  
22 no.19:592-595 10 0 '63.

1. Instytut Mechaniki Precyzyjnej, Warszawa (for Biestek).
2. Instytut Elektrotechniki, Warszawa (for Gawuc, Harasimowicz).

BIESTEK, Tadeusz

Investigations on atmospheric corrosion of electroplated coatings; third announcement on the course and results of tests during 1960-1961. Inst mech precyz 11 no.40:11-22 '63.

BIESTEK, Tadeusz

Tests of the anticorrosive strength of electroplated coatings  
under subtropical climatic conditions (China). Inst mech  
precyz 11 no.40:1-10 '63.