

GONOBOLIN, F.N.; ZYKOVA, V.I.

Scientific session of the Institute of Psychology of the Academy of  
Pedagogical Sciences of the R.S.F.S.R. Vop.psikhol. 2 no.2:118-120  
Mr-Apr '56. (MLBA 9:8)

(Psychology)

ZIKOVA, Vera Invanovna · PONO'AREV, S.A., redaktor; DZHAIYEV, tekhnicheskij redaktor.

[Outline of the psychology of mastering elementary geometrical knowledge; textbook for teachers] Ocherki psikhologii usvoenia nachal'nykh geometricheskikh znani; posobie dlia uchitelei. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshchenia RSFSR, 1955. 163 p. (MLRA 8:8)  
(Geometry--Study and teaching)

USPENSKAYA, V.D.; TRAPEZNIKOVA, S.S.; ISAULOVA, M.V.; ZYKOVA, V.P.

Identification of  $\alpha_3$ -protein in dogs with a haptoglobin. N- and C-terminal groups of  $\alpha_3$ -protein. Dokl. AN SSSR 152 no.3:754-757 S '63. (MIRA 16:12)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.  
Predstavleno akademikom V.A.Engel'gardtom.

BOGDANOV, N.N., kand.tekhn.nauk; VORONA, D.A., inzh.; GALYWEER, I.S.,  
doktor tekhn.nauk; GAMBURG, D.Yu., kand.khim.nauk; GRIGOR'YEVA,  
Ye.A., inzh.; ZYKOVA, V.P., inzh.; RYABTSEV, I.I., kand.tekhn.  
nauk; SERGEYEV, B.F., kand.tekhn.nauk; SPANKEVICH, P.I., kand.  
tekhn.nauk; LARIONOV, G.Ye., tekhn.red.

[Gasification of milled peat] Gazifikatsia frezernogo torfa.  
Moskva, Gos.energ.izd-vo, 1959. 119 p. (MIRA 13:3)  
(Peat gasification)

ZYKOVA, V.V.; VITTIKH, M.V.; MAREYEVA, L.D.

Synthesis of anionic exchange resins based on polyallylamine and  
polyepoxide compounds. Report No.2: Effect of the separate factors  
of anionite synthesis on thermal stability in aqueous media. Trudy  
Inst. khim. nauk AN Kazakh. SSR 11:89-94 '64. (MIRA 17:11)

36-58-11/12

AUTHOR: Zykova, V. V.

TITLE: Gradient of the Atmosphere's Electric Potential at Yuzhno-Sakhalinsk from 1933-1946 (Gradiyent elektricheskogo potentsiala atmosfery v g. Yuzhno-Sakhalinske za 1933-1946 gg.)

PERIODICAL: Trudy Glavnoy geofizicheskoy observatorii, 1956, Nr 58, pp 75-80 (USSR)

ABSTRACT: The annual rate and mean yearly values of the potential gradient at the Yuzhno-Sakhalinsk Magnetic Observatory differ somewhat from those obtained at continental stations. Winter months are characterized by a twin maximum and minimum wave; in summer a single wave prevails, whereas at continental stations the conditions are reversed. The magnetic maximum falls during the morning hours but does not coincide with sunrise. There are 6 figures and 4 tables. There are no references.

AVAILABLE: Library of Congress

Card 1/1

CHERNOBROV, S.M., otv. red.; LASKORIN, B.N., red.; KLYACHKO, V.A., red.; MATEROVA, Ye.A., red.; LANGE, A.Z., red.; VITTIKH, M.V., red.; SHOSTAK, F.T., red.; SAVENKO, O.D., red.; ZYKOVA, V.V., red.; GLAZRINA, D.M., red.; ALFEROVA, P.F., tekh. red.

[Theory and practice of ion exchange] Teoriia i praktika ionnogo obmena; trudy. Alma-Ata, Izd-vo AN Kaz.SSR, 1963. 186 p. (MIRA 17:3)

1. Kazakhstanskoye respublikanskoye nauchno-tekhnicheskoye soveshchaniye po ionnomu obmenu. 1962. (MIRA 17:3)

ZYKOVA, V.V.

Electric potential gradient in the atmosphere in southern Sakhalin during 1933-1946. Trudy GGO no.58:75-80 '56.

(MLRA 10:1)

(Sakhalin--Atmospheric electricity)



"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065810011-7

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065810011-7"

DYMSHITS, S.A.; ZYKOVA, Ye.G.; TALAYA, Z.I.

Adapting present types of burners in gas kitchen ranges for the  
operation on natural and mixed gases of variable parameters.  
Trudy VNIIT no.10:128-135 '61. (MIRA 15:3)  
(Gas burners)(Gas,Natural)

ZYKOVA, Ye.G.; TUKHARELI, M.S.

Luminescent analysis of bituminous materials. Gaz. prom. 4 no.12:40-41  
D '59.

(Bituminous materials--Analysis) (Luminescence)

S/844/62/000/000/067/129  
D204/D307

AUTHORS: Dzhagazspanyan, R. V., Zetkin, V. I. and Zykova, Ye. N.

TITLE: Radiational sulfo-oxidation of certain paraffins

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii, Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962, 390-393

TEXT: The present work was carried out in view of the difficulties in the continuous photochemical sulfo-oxidation of higher paraffins, which is important in the production of detergents. Aromatics- and olefin-free normal octane, nonane and undecane were irradiated with  $\gamma$  rays (110 r/sec, over 2 hours), at 25°C, with SO<sub>2</sub>:O<sub>2</sub> ratios (n) ranging from 1:1 to 3:1. For n-C<sub>8</sub>H<sub>18</sub>, the yield of sulfonic acid rose with increasing n, to a maximum of ~17% at n equal to 2:1. For n-C<sub>9</sub>H<sub>20</sub> and n-C<sub>11</sub>H<sub>24</sub>, with n equal to 2:1 [Abstracter's note: n-C<sub>9</sub>H<sub>20</sub> is described as n-octane in the text\_7, the yields assessed

Card 1/2

Radiational sulfo-oxidation ...

S/844/62/000/000/067/129  
D204/D307

by total sulfuric and sulfonic acids ( $H_2SO_4$  forms as a by-product) increased linearly with the dose of irradiation, the latter varying from 1 to 4 hours at 110 r/sec. The yields were higher for the nonane (8.7 mg - eqts after 4 hours) than for the undecane (7.04 mg - eqts after 4 hours). There are 3 figures and 2 tables.

ASSOCIATION: NII Goskomiteta, Soveta Ministrov SSSR po khimii (NII for Chemistry of the State Committee, Council of Ministers of the USSR)

Card 2/2

С. 156, 157

137

PHASE I BOOK EXPLOITATION

SOV/5486

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniya v narodnoye khozyaystvo SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy soveshchaniya v 4 tomakh. t. 1: Obshchiye voprosy primeneniya izotopov, pribory s istochnikami radioaktivnykh izlucheniya, radiatsionnaya khimiya, khimicheskaya i neftepererabatyvayushchaya promyshlennost' (Radioactive Isotopes and Nuclear Radiations in the National Economy of the USSR; Transactions of the Symposium in 4 Volumes, v. 1: General Problems in the Utilization of Isotopes; Instruments With Sources of Radioactive Radiation; Radiation Chemistry; the Chemical and Petroleum-Refining Industry) Moscow, Gostoptekhizdat, 1961. 340 p. 4,140 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskyy komitet Soveta Ministrov SSSR, and Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii.

Ed. (Title page): N.A. Petrov, L.I. Petrenko and P.S. Savitskiy; Eds. of this Vol.: L.I. Petrenko, P.S. Savitskiy, V.I. Sinitsein, Ya. M. Kolotyarkin, N.P. Syrkus and R.F. Romm; Executive Eds.: Ye. S. Levina and B. F. Titskaya; Tech. Ed.: E.A. Mukhina.

Card 1/42

Radioactive Isotopes (Cont.)

12 /  
807/5486

**PURPOSE:** The book is intended for technical personnel concerned with problems of application of radioactive isotopes and nuclear radiation in all branches of the Soviet economy.

**COVERAGE:** An All-Union Conference on problems in the introduction of radioactive isotopes and nuclear radiation into the national economy of the Soviet Union took place in Riga on 12-16 April 1960. The Conference was sponsored by: the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers, USSR); Glavnoye upravleniye po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR (Main Administration for the Utilization of Atomic Energy of the Council of Ministers, USSR); Academy of Sciences, USSR; Gosplan USSR; Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers, USSR, for Automation and Machine Building) and the Council of Ministers of the Latvian SSR. The transactions of this Conference are published in four volumes. Volume I contains articles on the following subjects: the general problems of the Conference topics; the state and prospects of development of radiation chemistry; and results and prospects of applying radioactive isotopes and nuclear radiation in the petroleum refining and chemical industries. Problems of designing and manufacturing instruments which contain sources of radioactive radiation and are used for checking and automation of technological processes are examined, along with problems of accident prevention in their use. No personalities are mentioned. References accompany some of the articles.

Card 2/12

## Radioactive Isotopes

SOV/5486

- Dzhagatspanyan, R.V., V.I. Zetkin, Ye. N. Zykova, and M.T. Filippov. Sulfochlorination and Sulfooxidation of Polyethylene, Polypropylene, Polyisobutylene, and Paraffin Hydrocarbons by Radiation 201
- Topchiyev, A.V., L.S. Polak, N. Ya. Chernyak, V. Ye. Glushnev, P. Ya. Glazunov, I.V. Vereshchinskiy, N.P. Syrkus, A. Kh. Breger, and B.I. Vaynshteyn. Radiation-Thermal Hydrocarbon Cracking 206
- Beer, A.A., M.A. Besprozvanny, T.I. Limanova, and M.T. Filippov. Radiation-Chemical Telomerization 211
- Zimakov, P.V., Ye. V. Volkova, A.V. Fokin, A.D. Sorokin, and V.M. Belikov. Utilization of Nuclear Radiation Energy in Fluorinated Olefin Polymerization Processes 219
- Breger, A. Kh., V.B. Osipov, and V.A. Gol'din. Universal Installation (K-60000) With Co<sup>60</sup>  $\gamma$ -Radiation Source of 60,000 Gram-Equivalent Radium Activity, for Simulating Radiation-Chemical Apparatus and Carrying Out Investigations 227

Card 8/12



ZYKOVA, Ye.P.

Work of a district physician. Vop. okh. mat. i det. 6 no.8:70-71  
Ag '61. (MIRA 15:1)

1. Uchastkovyy vrach 4-go detskogo ob'yedineniya Krasnoyarska.  
(PEDIATRICS)

USPENSKIY, V.V.; ZYKOVA, Ye. T.

In memory of B. V. Sholkov. Khirurgia, Moskva no.4:81-82  
Apr. 1952, (CLML 22:2)

1. Obituary for former head of Torzhok Hospital in Kalinin  
Oblast.

USPENSKIY, V.V., ZYKOVA, Ye. I.

Surgeons

In memory of B. V. Sholkov, Khirurgia No. 4., 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 ~~1951~~, Uncl.

ZYRVA, Z. I.

"Clinical Treatment of Amnesia Caused by Electroshock of Patients Afflicted with  
Presenile Psychosis," Nevropatol. i Psikhiat., 17, No. 4, 1948. Mer., Clinic Expl.  
Therapy Psychosis, Central Inst. Psychiatry, Min. Pub. Health USSR, -c1948-.

ZYKOVA, Z. I.

Cand. Med. Sci.

Dissertation: "Involutional Melancholia (Clinical Treatment and  
Electroshock Therapy)."

29/9/50

Central Inst. for Advancement of Physicians

SO Vecheryaya Moskva  
Sum 71

---

ZYKOVA, Z. I.

Electroshock therapy of involutional psychoses. Zh. nevropat.  
psikhiat., Moskva 52 no.3:60-67 Mar 1952, (CINL 22:2)

1. Of the Central Institute of Psychiatry, Ministry of Public  
Health RSFSR (Docent -- D. Ye. Melekhov)

ZYKOVA, Z.I.

Variations of delirium in presenile psychoses. Zhur.nevr. i psikh.  
55 no.3:187-191'55. (MLRA 8:7)

1. Kafedra psikiatrii (zav. prof. A.V.Snezhnevskiy) Tsentral'nogo  
instituta usovershenstvovaniya vrachey Ministerstva zdravookhrane-  
niya SSSR (dir. V.P.Lebedeva).

(PSYCHOSES, PRESENILE, manifestations,  
delirium)

· ZYKOVA, Z.I.

Late schizophrenia. Zhur.nevr.i psikh. 59 no.11:1307-1319 '59.

(MIRA 13:3)

1. Kafedra psikiatrii (zav. - prof. A.V. Snehnevskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

(SCHIZOPHRENIA)



ACCESSION NR: AR4015663

S/0081/63/000/021/0335/0336

SOURCE: RZh. Khimiya, Abs. 21M36

AUTHOR: Bluvshiteyn, M. N.; Tsikolin, G. I.; Zy\*kova, Z. K.

TITLE: Development and adaptation of an automatic device for measuring the temperature dependence of the elastic properties of refractory materials by a dynamic method

CITED SOURCE: Tr. Vses. gos in-ta nauchno-issled. i proktn. rabot orneuporn. prom-sti, vy\*op. 34, 1963, 81-100

TOPIC TAGS: refractory material, refractory material elastic property, refractory material test equipment, elastic property temperature dependence

ABSTRACT: Laboratory equipment was developed for determining the elastic properties of refractory materials at high temperatures. Variations in the frequency of flexing oscillations and oven temperatures are controlled automatically. The device was used to determine the temperature dependence of the flexing oscillation frequency and elasticity modulus for various refractory materials, i.e. fireclay, Dinas brick, magnesite, non-fired refractories and periclase-spinelide. It is

Card 1/2

ACCESSION NR: AR4015663

maintained that the equipment will find use in evaluating the effects of freezing, atmospheric pressure and other factors on the resonance characteristics of silicates. Bibl. with 13 references. Authors' summary.

DATE ACQ: 09Dec63

SUB CODE: MA, SD

ENCL: 00

Card 2/2

11505  
S/131/63/000/001/001/004  
B117/B101

188150

AUTHORS: Bluvshhteyn, M. N., Tsikolin, G. I., Zykova, Z. K.

TITLE: Dynamic method for determining the modulus of elasticity of refractory materials at high temperatures automatically

PERIODICAL: Ogneupory, no. 1, 1963, 13 - 17

TEXT: To determine the modulus of elasticity of solids by the dynamic (sound) method (E. K. Keler and Z. I. Veselova, Ogneupory, 1956, no. 1) a laboratory device with automatic temperature control and recording of the bending vibrations was developed. Thereby the elasticity of refractory materials at high temperatures (up to 1400°C) can be determined with high accuracy and without subjective errors. The test specimen, in the form of a prism, is first weighed, then placed on high-alumina supports at the bottom of an electric furnace. The furnace is heated to 1400°C by carborundum heaters at a rate of 300 degree/hr. The temperature is measured by two thermocouples in the furnace lid. A 1,5w sound generator and a pickup of the same construction are placed under the furnace. Their principal element is a magnetic system of the type 1GA-1 (1GD-1) and each has a high-alumina needle making contact with the specimen. The vibrations.

Card 1/3

Dynamic method for determining...

S/131/63/000/001/001/004  
B117/B101

detected by the pickup needle are transformed into electric oscillations and passed on to the measuring device, which is of the type AM4-2 (AICH-2) and covers a range of 1800 - 8550 cps. Frequency errors of the sound generator reach a maximum of 2%. The resonance frequency is automatically recorded by an instrument of the type ЭПН-09 (EPP-09). Dial errors of the EPP-09 reach a maximum of 3%. The device, fed from the a.c. supply consumes about 200 w. The automatic rise in temperature is secured by programming. The modulus of elasticity is determined (maximum error 5 - 8%) by recording oscillations for 30 min at 20°C. Up to 150°C the temperature is manually controlled; then the automatic programming device is switched on. This operates more steadily and reliably if the furnace has been preheated. Throughout the test the temperature and the oscillation frequency are automatically recorded by the EPP-09 every 30 sec. Moduli of elasticity of various refractory materials were so determined. Specimens of chamotte, magnesite and Dinas showed the same changes in modulus of elasticity as determined by other methods according to published data. In unburnt periclase-spinellide specimens heated from 20 to 800°C a notable reduction of the modulus of elasticity was observed, which remained almost constant when the temperature was further increased. Light chamotte specimens showed an insignificant change of the modulus. There are 5 figures.

Card 2/3

Dynamic method for determining...

S/131/63/000/001/001/004  
B117/B101

ASSOCIATION: Vsesoyuznyy institut ogneporov (All-Union Institute of Refractories)

Card 3/3

ZYKOVA, Ye.G.; TUKHARELI, M.S.

Luminescence method of analyzing bituminous materials.  
Biul. tekhn. inform. 5 no.3:27 Mr '59. (MIRA 12:7)  
(Bituminous materials) (Luminescence)

ZYKOVA, Z.I.

Clinical aspects of the catatonic form of schizophrenia in the aged.  
[with summary in French]. Zhur.nevr. i psikh. 58 no.6:713-721 '58  
(MIRA 11:7)

1. Kafedra psikiatrii (zav. - prof. A.V. Sneshnevskiy) Tsentral'nogo  
instituta usovershenstvovaniya vrachey, Moskva.  
(SCHIZOPHRENIA, in aged,  
catatonic (Rus))

BLUVSHTEYN, M.N., kand. tekhn. nauk; TSIKOLIN, G.I., inzh.; ZYKOVA, Z.K., inzh.

Developing and adopting automatic equipment for the determination  
by dynamic methods, of the temperature dependence of the elastic  
properties of refractories. Trudy Inst. ogneup. no. 34: 81-100 '63.

(MIRA 17:10)



ZYKUNOV, G.K., inzh.; SKUDNOV, A.N., inzh.

Indirect method for checking the installations of high-voltage  
d.c. cutouts. Prom.energ. 15 no.6:19-20 Jo '60. (MIRA 13:7)

1. Energosbyt Chelyabenergo (for Zykunov).
  2. Chelyabinskugol'  
(for Skudnov).
- (Electric circuit breakers)

BORKOVSKAYA, L.V.; GULYANSKAYA, Ye.A.; ZYKUNOVA, K.I.;  
LITOVCHENKO, Ye.P.; PERK, M.G.; RASSOKHIN, V.V.;  
kand. tekhn. nauk; TKACHENKO, A.I.; STANKOV, N.V.,  
inzh., retsenzent; ALEKSEYEVSKIY, G.V., inzh., retsenzent;  
PIONTEK, Ye.I., inzh., red.

[Album of assignments for executing assembly drawings] Al'-  
bom zadaniy dlia vypolneniya sborochnykh chertezhei. [By]  
L.V.Borkovskaia i dr. Moskva, Mashinostroenie, 1964. 72 p.  
(MIRA 17:9)

ZAYTSEVA, Nina Yakovlevna; ZYKUS, Aleksandra Ivanovna; ERASTOVA,  
Anna Nikolayevna; LEPESHKINA, N.I., redaktor; HYBIN, I.V.,  
tekhnicheskii redaktor.

[Arithmetic lesson plans for class 5] Plany urokov po arif-  
metike v 5. klasse. Moskva, Gos. uchebno-pedagog. izd-vo.  
Ministerstva prosveshchenia RSFSR, 1954, 147 p. (MLRA 8:8)  
(Arithmetic--Study and teaching)

DZYUBA, F.T.

About a manual of poor quality ("Methodological instructions for teaching arithmetic in the 5th grade." N.IA Zaitseva, A.I.Zykus, A.N.Erastova. Reviewed by F.T.Dziuba). Mat. v shkole no.6:69-74 N-D '54.

(MLRA 7:11)

(Arithmetic--Study and teaching) (Zaitseva, N.IA) (Zykus, A.I.)

(Erastova, A.N.)

ZYKUS, A. I.

Puti povysheniia uspevaemosti po matematike v V-VII klassakh /Methods of increasing progress in mathematics in the 5th-7th grades/. Moskva, Uchpedgiz, 1952. 40 p. (Opyt peredovogo uchitel'ia)

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.

KUNCEVIC, D.; ZYKUS, I.; SIMKO, A.

Diagnostic role of various modifications of tomographic studies.  
Sveik. apsaug. 8 no.11:53 '63.

1. Resp. Vilniaus ligonine. Vyr. gyd. - V. Cepaitis. Rentgeno  
skyrius. Vedeja - med. m. dr. D. Kuncevic.  
(TOMOGRAPHY)

ACC NR: AP6034969

SOURCE CODE: PO/0034/66/000/08-/01.00/0401

AUTHOR: Warsza, Zygmunt L. (Master engineer); Zyla, Bogdan (Master engineer)

ORG: Department of Electrical Metrology, Warsaw Polytechnic Institute (Katedra Miernictwa Elektrycznego Politechniki Warszawskiej)

TITLE: Compensation differential type gaussmeter based on the Hall effect

SOURCE: Pomiary, automatyka, kontrola, no. 8-9, 1966, 400-401

TOPIC TAGS: Hall effect, gaussmeter, ~~test-instrument~~, test equipment *facility,**test instrumentation*

ABSTRACT: The authors discuss some of the problems encountered at the Department of Electrical Metrology, Warsaw Polytechnical Institute (Katedra Miernictwa Elektrycznego Politechniki Warszawskiej) in the course of a program directed at improving the sensitivity and accuracy of test equipment based upon, or utilizing, the Hall effect. Such problems as temperature compensation, nonlinearity in the relation of output voltage to inductance, nonuniformity of wafer material, and others are briefly discussed. With particular attention to metrology problems involving the detection of narrow-band field changes (for example in ferrite resonance testing), the shortcomings of conventional multirange gaussmeters of the compensation of helipot potentiometer type are noted. Many of these difficulties can be successfully avoided in a gaussmeter employing a Hall effect meter based on a differential system. One such device, designed by the authors (Warsza Z. L., Zyla B. Zgłoszenie patentowe) and using a Zener

Card 1/2

UDC: 621.317.44

ACC NR:  
AP6034969

diode, is described in this article. The instrument has differential test ranges of 0—20 kGs, 0—10 kGs, or 20 switchable differential ranges of 500 Gs each. Maximum sensitivity is 7 Gs/mm, and the inherent error is in the order of 1%. A CH-4 germanium Hall effect device, measuring 7 x 3.5 mm, is used, and the entire unit is powered from the 220-V 50-Hz industrial a-c net. Orig. art. has: 1 figure.

SUB CODE: 09, 14/ SUBM DATE: none/ ORIG REF: 003

Card 2/2



CZUCHAJOWSKI, Leszek; LASON, Mieczyslaw; ZYLA, Mieczyslaw

Active oxygen groups of hard coal in the light of researches on sorption of polar vapors. *Chemia stosow* 4 no.1:3-13 '60.

(EEAI 9:10)

1. Katedra Chemii Gorniczej Akademii Gorniczo-Hutniczej w Krakowie.  
Zaklad Mechaniki Gorotworu Polskiej Akademii Nauk w Krakowie  
(Oxygen) (Anthracite coal) (Vitrain)  
(Methanol) (Sorption) (Water)

LASKOWSKI, Tadeusz; ZYLA, Mieczyslaw; LASON, Mieczyslaw; KORTA, Andrzej

Sorption of methanol and water on petrographic varieties of bituminous coal. Koks 7 no.1:1-6 Ja-F '62.

1. Akademia Gorniczo-Hutnicza w Krakowie, Glowny Instytut Gornictwa w Katowicach Polska Akademia Nauk, Zaklad Mechaniki Gorotworu.

LASON, Mieczyslaw; ZYLA, Mieczyslaw

Apparatus for determining vapor sorption and desorption isotherms  
by microburets. Chem anal 8 no.2:279-287 '63.

1. Department of General and Coal Chemistry, Academy of Mining  
and Metallurgy, Krakow.

CZUCHAJOWSKI, Leszek; LASON, Mieczyslaw; ZYLA, Mieczyslaw

Sorption of methanol and water vapors on coal treated with alcoholic  
KOH solutions. Chemia stosow 4 no:1:15-23 '60. (BEAI 9:10)

1. Katedra Chemii Gorniczej Akademii Gorniczo-Hutniczej w Krakowie.  
Zaklad Mechaniki Gorotworu Polskiej Akademii Nauk w Krakowie.  
(Methanol) (Coal) (Water)  
(Potassium hydroxide)

CZERSKI, Lucjan; LASON, Mieczyslaw; ZYLA, Mieczyslaw

Sorption of carbon tetrachloride vapors on primary hard coals  
subject to action of a KOH alcohol solution. Archiw gorn 8  
no. 1:69-78 '63.

KORTA, Andrzej; LASKOWSKI, Tadeusz; LASON, Mieczyslaw; ZYLA,  
Mieczyslaw

Sorption of methanol and water vapors on hard coals of various  
graininess. Archiw gorn 8 no. 1:79-91 '63.

LASON, Mieczyslaw; ZYLA, Mieczyslaw

Low temperature sorption of argon on bituminous coals treated with alcohol solution of KOH. Chemia stosow 6 no.2:321-325 '62.

1. Katedra Chemii Gorniczej, Akademia Gorniczo-Hutnicza, i Zaklad Mechaniki Gorotworu, Polska Akademia Nauk, Krakow.

ZYLA, Otton

The Hanka Sawicka Wool Works in Bielsko-Biala.  
Przeł wlokien 16 no.10:549-550 0 '62.



*Mech. + Elec. Engineering*

*P.T.A.*

816

021.311.23 : 021.163

Zylber A. The Problem of Condenser Turbines in Industry .

„Zagadnienie turbin a kondensacją w przemyśle”. *Pracę Elektrotechniczny*, No. 1-2-3, 1950, pp. 83-88, 3 figs.

The selection of a back-pressure turbine or of a condenser turbine in industrial steam electric plants should be governed not by considerations of power independence which, in the case of the industrial plant being properly linked with the system, becomes superfluous, but by economic considerations, provided that, during peak loads, an adequate quantity of steam can without any additional investments on boiler plant be ensured to the plant when working with condensation. The increase in power in industry, based on the surplus of steam from working and stand-by boilers, will considerably relieve professional electric power plants, as well as the boiler and auxiliary industries, at the same time considerably reducing the expenditure on power plant investments. The exploitation of boiler reserves of industrial plants in order to increase capacity, must also make provision for the reliability of service in industries.

- POLAND / General Problems of Pathology. Immunity. U

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13425

Author : Manski, W.; Vogel, M. ; Zylberberg, A.

Inst : Polish Academy of Sciences

Title : Complement Inactivation in vivo and in vitro.

Orig Pub : Bull. Acad. polon. sci., 1957, Cl.2, 5, No. 9,  
287-293, XXXVIII

Abstract : Some polysaccharides and their sulfonated derivations were investigated with the purpose of finding the substances with the greatest anti-complementarity and least toxicity for its possible use in inhibition of immune hemolysis in hemolytic diseases. In vitro the complement (C) of rabbit, guinea pig and man was inactivated: soluble (depolymerized) inulin (I), heparin (II),

Card 1/3

POLAND / General Problems of Pathology. Immunity. U

Abstr Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13425

Congo red, aqua blue in a concentration of 4.5-5 mg/ml; Germanin (III), II, agar -3 mg/ml; zymozane (IV)- 0.6 mg/ml; 1-0.5 mg/ml; sulfonated dextran (V)- 0.075 - 0.1 mg/ml. They inactivated C'3. In experiments on rabbits and guinea pigs, C was inactivated by V (8mg/ml), III (310 mg/ml), I and IV (100 mg/ml). The duration of complete inactivation of C is larger in guinea pigs (for III 40 min., for V 70 min.), than in rabbits (15 min.); restoration of the initial titer of C is faster in guinea pigs (after 70-125 min.) than in rabbits (after 220 min.). The least toxic in vivo are V and III even with frequent multiple introduction. The most toxic is I. Since the SO<sub>3</sub>H group enters

Card 2/3

POLAND / General Problems of Pathology. Immunity.

U

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13525

into the composition of II, V, III, Congo red and aqua blue, which inactivate C, it is assumed that it determines the anticomplementary and anticoagulative properties of the given compounds. Therefore it follows that C'3, similar to prothrombin, is a protein which has in all probability many alkaline reactive groups. -- F. L. Buch

Card 3/3

4

EXCERPTA MEDICA Sec 6 Vol 13/2 Internal Med. Aug 59

4539. COMPLEMENT AND HAEMOLYTIC PROCESSES IN VIVO - Mański W.  
and Zylberberg A. - BULL. ACAD. POLON. SCI. 1957, 5/9 (285-300)  
Graphs 4 Tables 1

Experiments were carried out which made it possible to study the course of haemolytic anaemia and haemolytic shock in consequence of in-vivo complement inactivation. For inactivating the complement suramin and sulphodextran were used, both compounds of slight toxicity. The experiments were made on guinea-pigs. They showed that the course of reactions in vivo is not similar to standard reactions in vitro, as sensitization of red blood cells is less strong than in test-tube reactions and fixations of C'1, C'2, and C'4 by sensitized red blood cells in vitro is liable to produce a false impression. Therefore survival time of animals is longer than could be expected after re-increase of complement titre after inactivation in vivo. Suramin and sulphodextran inactivate C'3, so that these compounds are useful in therapeutics in cases of immune haemolysis.

Kleine - Freiburg (IV, 6)

MANSKI, Wladyslaw; VOGEL, Marian; ZILBERBERG, Aurelia

Effect of various polysaccharides, sulfonic derivatives of polysaccharides & aromatic salts of sulfa-acids on the complement. Med. dosw. mikrob. 10 no.1:53-60 1958.

1. Z Instytutu Immunologii i Terapii Doświadczalnej im. Ludwika Hirszfelda O. A. N. we Wrocławiu Dział Biochemii Kierownik: doc. dr W. Manski.

(POLYSACCHARIDES, eff.

on complement (Pol))

(COMPLEMENT, eff. of drugs on

polysaccharides, sulfur-containing polysaccharides & aromatic salts of sulfa-acids (Pol))

ZYLBERBLAT, Leon, Dr med

Treatment of primary chronic rheumatism with salazopyrine. Postepy reumat. no.1:172-179 1954.

1. Z II Kliniki Chorob Wewnętrznych Akad. Med. w Łodzi Kierownik: prof. dr med. J. Jakubowski i z Centralnej Poradni Przewlekłej w Łodzi Kierownik: dr med. L. Szykier.

(SULFONAMIDES, therapeutic use,  
salicylazosulfapyrine in rheum. arthritis)  
(ARTHRITIS, RHEUMATOID, therapy,  
salicylazosulfapyrine)

ZYLBERG, J,

Improving bearings coated with aluminum bronze. p.18. (TECHNIKA MOTORYZACYJNA,  
Warszawa, Vol. 5, No. 1, Jan, 1955)

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

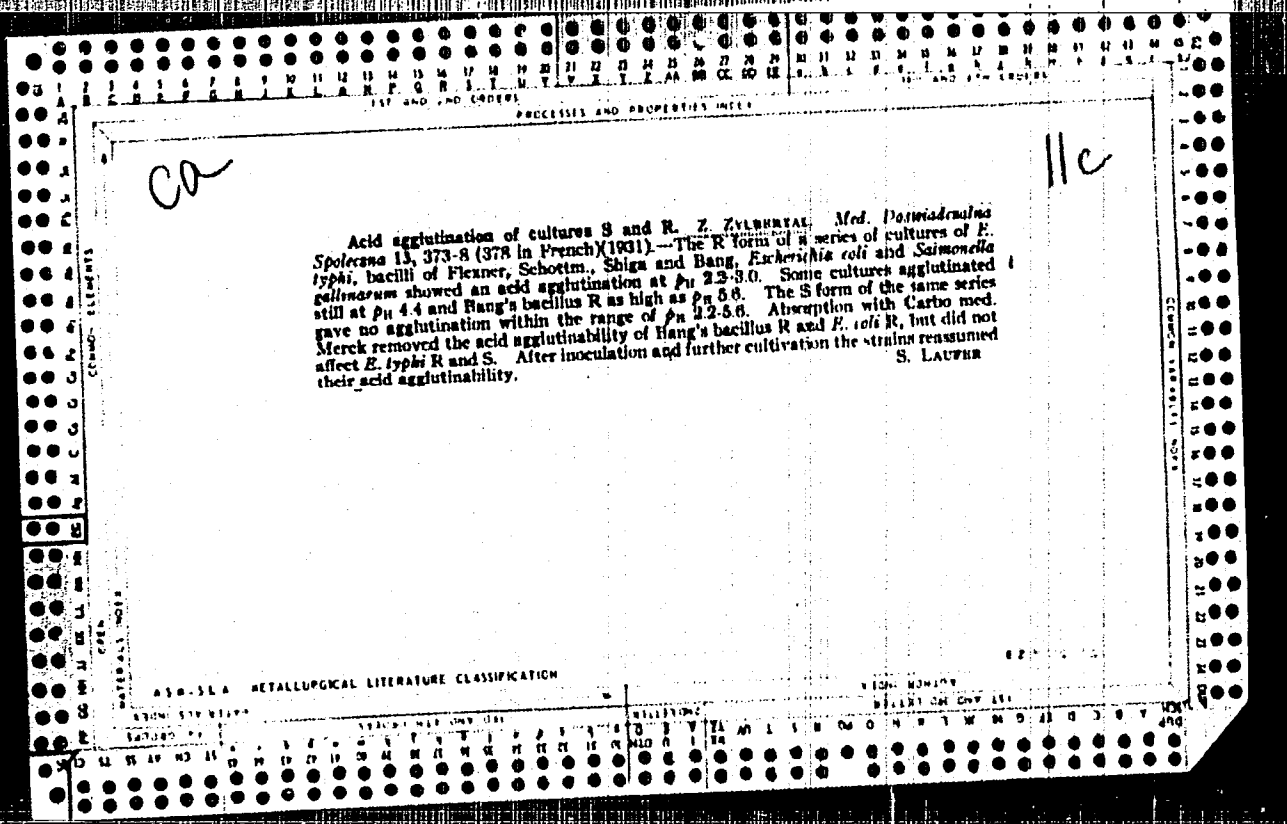


ZYKUBEK, S.

Geodetic surveying of distortions in chimneys and masts.

p. 158 (Prace Proceedings) Vol. 4, no. 2, 1957, Warszawa, Poland

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



ZYLEV, B., kand. tekhn. nauk

The first icebreaker. Mor. flot. 24 no.8:34-35 Ag '64. (MIRA 18:9)

ZYKOV, B.V., kandidat tekhnicheskikh nauk, dotsent.

Movement of a deforming gyroscope in a particular case. Trudy MIIF  
no.92/11:191-200 '57. (MIRA 10:7)

(Gyroscope)

ACCESSION NR: AR4015120

S/0124/63/000/012/A013/A013

SOURCE: RZh. Mekhanika, Abs. 12A72

AUTHOR: Zy\*lev, B. V.

TITLE: Motion of a heavy variable gyroscope in one special case of rapid rotation

CITED SOURCE: Tr. Mosk. in-ta inzh. zh.-d. transp., vy\*p. 164, 1963, 92-96.

TOPIC TAGS: variable gyroscope, gyroscope, rotation, rotational mechanics

TRANSLATION: The author examines the motion of a symmetrical heavy gyroscope with a stationary point. The distance from the fulcrum to the center of mass is constant. The moments of inertia of the gyroscope with respect to the fulcrum are equal to each other and depend linearly on time.

Euler equations were constructed for the gyroscope for these conditions; these were then solved simultaneously with the well-known kinematic expressions between the projections of the angular velocity of the gyroscope on the coordinate axes rigidly connected with it and the Euler angles  $\psi$ ,  $\theta$ ,  $\varphi$ ; moreover, the

Card 1/2

ACCESSION NR: AR4015120

solution involves the assumptions  $\dot{\varphi} \gg \dot{\psi}$ ,  $\varphi \gg \Theta$  and that  $P$  is in  $F$  const, where  $P$  is the weight of the gyroscope and  $l$  is the distance between the fulcrum and the center of mass. S.A. Kharlamov.

DATE ACQ: 31Dec63

SUB CODE: PH

ENCL: 00

Card 2/2

ZYLEV, B.V., kand. tekhn. nauk, dotsent

Motion of a heavy variable gyroscope in a partial case of  
high-speed natural rotation. Trudy MIIT no.164:92-96 '63.

Effect of the deformation on the angular velocity of a  
rotating disk. Ibid. 197-99

(MIRA 18:3)

ZYLEV, B.V., kand.tekhn.nauk, dots.

Movement of balanced gyroscopes with linearly variable moments  
of inertia and prue bending of a thin three-dimensional variable-  
section rod. Trudy MIIT no.102:97-109 '59. (MIRA 12:10)  
(Gyroscopes) (Elastic rods and wires)



Zylov, B.V.

124-1957-10-11220

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 7 (USSR)

AUTHOR: Zylov, B.V.

TITLE: Motion of a Deformable Gyroscope in a Special Case (Dvizheniye deformiruyemogo giroskopa v odnom chastnom sluchaye)

PERIODICAL: Tr. Mosk. in-ta inzh. zh.-d. transp., 1957, Nr 92/11, pp 191-200

ABSTRACT: The article covers an investigation of the motion of a homogeneous thin disc with a fixed point in the center of its mass, the radius of which is a linear function of the temperature. The differential equations of the deformable gyroscope are as follows:

$$(1+\gamma t)\dot{\omega}_x + 2\gamma\omega_x + (1+\gamma t)\omega_y\omega_z = 0 \quad (1)$$

$$(1+\gamma t)\dot{\omega}_y + 2\gamma\omega_y - (1+\gamma t)\omega_x\omega_z = 0$$

$$(1+\gamma t)\dot{\omega}_z + 2\gamma\omega_z = 0$$

Car

Card 1/2

BURCHAK, G.P., dots.; BULANOVA, N.F., assistant; ZYLEV, B.V., dots.; PRAVDIN, Zh.L., dots.; KUROVA, A.V., red.

[Methods manual on the solution of problems in theoretical mechanics; dynamics] Metodicheskoe posobie po resheniu zadach teoreticheskoi mekhaniki; dinamika. Moskva, Mosk. in-t inzhenerov zhel-dor. transp., 1962. 163 p. (MIRA 18:8)

PROCESSES AND PROPERTIES INDEX

CP

The reduction of ores from Tula and Lipetz (Russia). *Soviet Met.* 7, No. 9, 18-28 (1955); *Chem. Zentr.* 1956, 1, 4354. — Expts. are reported on the reduction of these Fe ores at 400-800° by gaseous mixts. of CO and CO<sub>2</sub> in varying proportions. Data are given on the extent of reduction secured for different reaction periods. M. G. Moore

9

COMMON ELEMENTS

COMMON VALUABLE METALS

ASB-56A METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS

COMMON VALUABLE METALS

COMMON ELEMENTS

COMMON VALUABLE METALS

COMMON ELEMENTS

COMMON VALUABLE METALS

ZYLEV, V.B.

Homogeneity of two complementary polyhedra. Dokl. AN SSSR 161  
no.3:515-516 Mr '65. (MIRA 18:4)

1. Submitted January 13, 1964.

ZYLICZ, A.

Economic value of technical speed in inland navigation. p.255.

(GOSPODARKA WODNA. Vol. 17, No. 5, May 1957. Warszawa, Poland)

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

ZYLICZ, J.

Distr: 4E3c 2 cys 19

Isomeric transition in mercury-199. R. Sosnowski, S. Szterclinski, I. Topp, and J. Zylisz (Inst. Badan Jądrowych, Warsaw). *Polish Acad. Sci., Inst. Nuclear Research, Rept. No. 89/I-A, 9 pp (1989) (in English).*—The transition from the  $i_{11/2}$  to the  $f_{7/2}$  level and the size of the E3 contribution were studied in the internal conversion electron spectra obtained with  $Hg^{199}$  sources 1.2 and 6 mg./sq. cm. thick for 2 hrs. within 2660-1650 gauss.-cm. The  $K:L:M + N$  ratio of  $1:0.57 \pm 0.09:0.12 \pm 0.07$  permitted calcn. of the transition energy as  $371.1 \pm 3.5$  e.kv. The E3 contribution to the basic  $M4$  transition did not exceed 11%.  
A. Szterclinski

JK  
LR

OR

ZYLICZ, J.

Distr: 4E3c 2 cys/4E3e

Internal conversion electrons of thulium-167. <sup>2/</sup> S. Choinski, <sup>1/</sup> H. Lancman, <sup>9</sup>  
R. Sosnowski, <sup>3</sup> O. Wolczek, J. Zylisz (Inst. Badan Jadrowych, Warsaw), and I. A. Yutlandov  
Polish Acad. Sci., Inst. Nuclear Research, Rept. No. 113/I-A, 6 pp (1959) (in Russian).  
-Transitions in  $Tm^{167}$  obtained by irradiating Tm with 660-m.e.v. protons were studied  
in internal conversion electron spectra obtained within 610-4170 gauss-cm. A new  
conversion line representing a 534-e.kv. transition in the K shell was attributed  
to El.

A. Szafranski

(Retyped Clipped Abstract)

Card 1/1  
88

ZYLICZ, J.

A conference on nuclear spectroscopy and on nuclear reactions, Dubna, February 11 - 15, 1958. p.347.

POSTĘPY FIZYKI. Warszawa, Poland. Vol. 9, no. 3, 1958.

Monthly List of East European Accessions Index (EEAI), LC. Vol. 8, No. 9, September 1959  
Uncl.



Zylicz, J

P/046/60/005/011/014/018  
D249/E303

AUTHORS: Cho<sup>h</sup>nacki, S., Kopystyński, J., Preibisz, Z.,  
Sobnowski, R., Yutlandov, I. (Dubna - USSR), and  
Zylicz, J.

TITLE:  $\beta^+$  radiation of  $^{140}\text{Pr}$

PERIODICAL: Nukleonika, v. 5, no. 11, 1960, 783

TEXT: (Abstract - Report No. 148/I A (IBJ - Institute of Nuclear Research, PAS)): The spectrum of positrons emitted by  $^{140}\text{Pr}$  was investigated using a long lens magnetic  $\beta$ -ray spectrometer. Helical baffles were used to separate positrons and electrons. The maximum energies of the three  $\beta^+$  components are  $2366 \pm 12$  keV :  $770 \pm 12$  keV :  $485 \pm 15$  keV; their relative intensities are:  $1 : < 1.4 \times 10^{-2} : 7.2 \times 10^{-6}$ . [Abstractor's note: Complete translation].

Card 1/1

ZYLICZ, M.

GEOGRAPHY & GEOLOGY

Periodical: RUCH TURYSTYCZNY. No. 1, Jan./Mar. 1958

ZYLICZ, M. Facilitation of the tourist movement in the light of new international air navigation regulations. p. 74.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 5,  
May 1959, Unclass.

~~ZYLICZYNSKI, A.~~  
ZYLICZYNSKI, A.

The Smyk.

p. 275 (Motoryzacja) Vol. 12, No. 10, Oct. 1957, Warszawa, Poland

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

ZYLINSKI, Stanislaw, mgr

Bacteriological pollution of the springs in Jaworki. Gosp wodna  
22 no.11:528 N '62.

1. Pracownia Zaopatrzenia Osrodkow Rolnych w Wode, Instytut Melioracji  
i Uzytkow Zielonych, Warszawa.

ZYLKO, W.

Country	: POLAND	H.22
Category	: Chemical Technology. Chemical Processing of Fossil Fuels	
Abs. Jour	: Ref Zhur-Khimiya, No 14, 1959, No 51011	
Author	: <u>Zylko, W.</u>	
Institute	: -	
Title	: Gas Purification by Removal of Hydrogen Sulfide with Ammonia Water	
Orig Pub.	: Gas, woda, techn. sanit., 1956, 30, No 8, 291-295	
Abstract	: Described are experiments conducted in a semi-commercial plant on the absorption of H <sub>2</sub> S with ammonia water employing a packed column. Results of the investigation confirm that the considered method does not remove H <sub>2</sub> S to a degree required; therefore, it cannot be utilized in the gas plant as the only method for the gas purification from H <sub>2</sub> S. It is indicated that the investigated method may be used as the	
Card:	1/2	

USSR / <sup>7</sup> *М. К. А. С.* Radiophysics. Statistical Phenomena in Radiophysics. I-2

Abs Jour : Ref Zhur - Fizika, No 5, 1957, No 12430

Author : Zynko, A.G.

Inst : Not given

Title : Calculation of the Interference Immunity of a Radio Receiver at a High Level of Fluctuation Noise (Author's Abstract)

Orig Pub : Radiotekhnika, 1956, 11, No 10, 77-78

Abstract : Using the concept of a real capacity of a channel and the amount of information produced at the output of the receiver, the author shows that if the ratio of the signal to noise power is reduced, the capacity of the channel diminishes more rapidly than the amount of information at the

Card : 1/2

1. ZYLEV, B.
2. USSR (600)
4. Ice-breaking Vessels
7. Ice breaker "Pailot," Mor. flot, 13, no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

~~7-11-1958~~  
MANSKI, Wladyslaw; ZYLBERBERG, Aurelia

Importance of the spleen for the complement & complement components.  
Med. dosw. mikrob. 10 no.1:47-52 1958.

1. Z Instytutu Immunologii i Terapii Doswiadcwalnej im. Ludwika  
Hirszfelda P. A. N. we Wroclawiu Dzial Biochemii. Kierownik: doc. dr  
W. Manski.

(SPLEEN, physiol.

relation to complement titer & complement components (Pol))

(COMPLEMENT

relation of spleen to complement titer & complement  
components (Pol))



W. MANSKI, A. ZYLBERBERG  
MANSKI, Wladyslaw; ZYLBERBERG, Aurelia

Inactivation of the 3d component of complement & the hemolytic processes in vivo. Med. dosw. mikrob. 10 no.1:61-69 1958.

1. Z Instytutu Immunologii i Terapii Doswiadczałnej im. Ludwika Hirszfelda P. A. N. we Wrocławiu Dział Biochemii Kierownik: doc. dr W. Manski.

(COMPLEMENT, eff. of drugs on

suramin & sulfodextran on 3d complement component (Pol))

(SURAMIN, eff.

inactivation of 3d complement component & hemolysis (Pol))

(DEKTRAN, eff.

sulfodextran in activation of 3d complement component & hemolysis (Pol))

(HEMOLYSIS

anti-hemolytic eff. of suramin & sulfodextran (Pol))

Priznaki skodimosti i ostenki pogreshnostey resheniy sistem lineynykh  
algebraicheskikh uravneniy sposobom interatsiy (v matrichom izlozhenii). M.-L.,  
Sb. trudov inzh. stroit. in-ta im. kuybysheva, 2(1939), 232-245.

SO: Mathematics, in the USSR, 1917-1947  
edited by Kurosh, A. G.  
Markushevich, A. L.  
Radhevskiy, P. K.  
Moscow-Leningrad, 1948

DAWIDOWICZ, Aleksander; ZAREMBA, Janusz; ZYLO, Janusz

Two cases of primary cancer of the liver. Polski tygod. lek. 9  
no 43:1389-1395 25 Oct 54.

1. Z III Kliniki Chorob Wewnętrznych Akademii Medycznej w Warszawie,  
kierownik: prof. dr J.R. Wegierko i z Zakładu Anatomii Patologicznej  
Akademii Medycznej kierownik prof. dr L. Paszkiewicz.

(LIVER, neoplasms,  
case reports)

SEGAL, Pawel; ZYIO-WILIPOWICZ, Alina

Local cortisone therapy of parenchymatous keratitis. Klin.  
oczn. 24 no.2:133-137 1954.

1. Z Panstwowego Instytutu Dermatologii i Wenerologii. Dyrektor:  
dr med. J. Suchanek. 2. Z Kliniki Chorob Oczu Akademii Medycznej  
w Warszawie. Kierownik: prof. dr Wl. H. Melanowski.

(CORTISONE, therapeutic use,

\*keratitis, local admin.)

(KERATITIS, therapy.

\*cortisone, local admin.)

ZYLBERBIAT, Leon

Prolonged administration of cortisone & ACTH. Postepy reumat. no.3:  
67-71 1957.

1. Z II Kliniki Chorob Wewnetrznych A. M. w Lodzi. Kier: prof. dr.  
J. Jakubowski.

(RHEUMATISM, ther.

ACTH & cortisone, prolonged admin. (Pol))

(ACTH, ther. use

rheum. dis., prolonged admin. (Pol))

(CORTISONE, ther. use

same)

RUDAKOV, Georgij [Rudakov, Georgiy] (Ufa, Baszkirska A.S.S.R.); ZYLKA,  
R. [translator].

The theory of deep origin of petroleum. Kwartalnik geol 7 no.2:  
367-373 '63.

ZYLKO, W.

Purification of gas from the hydrogensulfide by means of ammonia water. p. 291  
(GAZ, WODA I TECHNIKA SANITARNA Vol. 30, No. 8, Aug. 1956 Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957 Uncl.

DOBK, Stanislaw; HETNAL, M.; HYZY, Wl.; MADEJ, J.; MARCZYŃSKI, K.;  
PISARCZYK, A.; ZYLŃSKI, J.

Eclampsia at the Krakow Clinic for the last 50 years. Gin.  
polska 28 no.2:171-175 Mar-Apr 1956.

1. Z I Kliniki Położnictwa i Chorób Kobięcych A.M. w Krakowie.  
Kierownik: prof. dr. St. Schwars. Stanislaw Dobek--Kraków,  
ul. Kopernika 23.

(Eclampsia, statistics  
clin. statist., in Poland (Pol))



URBANSK, Tadeusz; BELZECKI, Czeslaw; CHECHELSKA, Bozena; CHYLINSKA, Barbara;  
DABROWSKA, Halina; FALCCKI, Jerzy; GURNE, Danisla; HALSKI, Leszek;  
MALINOWSKI, Stanislaw; SERAFINOWA, Barbara; ZYLOWSKI, Jerzy; SLOPIEK,  
Stefan; KAMIENSKA, Irena; VENULET, Jan; JANOWIEC, Mieczyslaw; JAKIMOWSKA,  
Krystyna; URBANSKA, Alicja; KUZNIEWICOW, Anatol

Searching for new anti-tuberculosis drugs. Gruzlica 26 no.11:889-917  
Nov 58.

1. Z Zakladu Syntezy Lekow Instytutu Gruzlicy Kierownik Zakladu: prof.  
dr T. Urbanski Dyrektor Instytutu: prof. dr J. Misiewicz Pracownia Synt.  
Lekow Przeciwigruzliczych, Warszawa, ul. Koszykowa 75.

(TUBERCULOSIS, therapy,

investigation of 300 cpds. for anti-tuberc. eff. (Pol))

DOBROMIRSKI, Walerian, mgr inz.; ZYLICZ, Andrzej, mgr inz.

Development of inland navigation craft. Bud okretowe  
Warszawa 9 no.4:129-134 '64.

1. Office for Design and Studies of River Craft, Wroclaw.

CHOJNACI, S.; JAROSIEWICZ, I.; PREIBISZ, Z.; ZYLICZ, J.

165

The mean number of conversion electrons per one decay of  $Tm$   
Acta physica Pol 25 no.3:417-425 Mr '64.

I. Institute for Nuclear Research, Department of Physics, Swierk  
near Warsaw.

ZYLICZ, J.

Research on internal conversion electrons. p. 425.

POSTĘPY FIZYKI. (Polskie Towarzystwo Fizyczne) Warszawa, Poland  
Vol. 10, no. 4, 1959

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

Uncl.

CHOJNACKI, S.; KOPYSTYNSKI, J.; PREIBISZ, Z.; SOSNKOWSKI, R.; ZYLICZ, J.;  
YUTLANDOV, I.

Note on positron radiation from  $Pr^{140}$ . Acta physica Pol 20 no.12:  
1021-1023 '61.

1. Institute for Experimental Physics, Polish Academy of Sciences,  
Warsaw, (for Chojnacki and Kopystynski). 2. Institute for Nuclear  
Research, Polish Academy of Sciences, Warsaw, (for Freibisz, Sosnkowski  
and Zylicz). 3. Joint Institute for Nuclear Research, Dubna, USSR,  
(for Yutlandov).

(Isotopes)

P/045/61/020/012/004/004  
B137/B104

AUTHORS: Chojnacki, S., Kopystyński, J., Preibisz, Z., Sosnowski, R.,  
Zylicz, J., and Yutlandov, I.

TITLE: Note on positron radiation from Pr<sup>140</sup>

PERIODICAL: Acta Physica Polonica, v. 20, no. 12, 1961, 1021 - 1023

TEXT: In their letter to the editor the authors report on an investigation of the positron spectrum of Pr<sup>140</sup>. Measurements were made with a long-lens spectrometer in which helical baffles were applied to separate positron and electron radiations. The Pr<sup>140</sup> isotope was obtained from a neodymium fraction separated from a tantalum target by the chromatographic method. The target was irradiated with 660-Mev protons (synchrocyclotron of the Joint Institute of Nuclear Research at Dubna). Nd<sup>140</sup> contained in the Nd fraction decays into Pr<sup>140</sup> by electron capture. The Kurie plot is a straight line from 350 kev up to the maximum energy of 2366 ± 24 kev B. S. Dzhelepov (Zh. eksper. teor. fiz., 37, 857 (1959); Izv. Akad. Nauk SSSR Ser. fiz., 22, 153 (1958); Papers presented at the Second Conference on Neutron Deficient Isotopes of the Rare Earth Elements, Joint Inst. of

Card 1/2

4

Note on positron radiation from Pr<sup>140</sup>

P/045/61/020/012/004/004  
B137/B104

Nuclear Research, Dubna (1959)) is mentioned. There are 1 figure, 1 table, and 10 references: 6 Soviet-bloc and 4 non-Soviet-bloc. The three references to English-language publications read as follows: Browne, C. J., Rasmussen, J. O., Surls, J. P., and Martin, D. F., Phys. Rev., 85, 146 (1952); Cameron, A. G. W., Canad. J. Phys., 35, 1021 (1957); Levy. H. B., Phys. Rev., 106, 1265 (1957).

ASSOCIATION: Institute of Experimental Physics, Warsaw University, Warsaw (Chojnacki, Kopystyński). Institute of Nuclear Research, Polish Academy of Sciences, Warsaw (Preibisz, Sosnowski, Zylicz). Joint Institute of Nuclear Research, Dubna, USSR (Yutlandov) ✓

SUBMITTED: June 1, 1961

Card 2/2

4

24.6200  
24(4)  
AUTHORS: Sosnowski, R., Sterliński, S.,  
Topa, J., Zylicz, J. 67357  
POL/45-18-6-3/5

TITLE: Isomeric Transition in Hg<sup>199</sup>  
-19 -17

PERIODICAL: Acta Physica Polonica, 1959, Vol 18, Nr 6, pp 573-580 (Poland)

ABSTRACT: It was the aim of the present paper to investigate the spectrum of internal conversion electrons for the isomeric transition in Hg<sup>199</sup> from the  $i_{13/2}$  to the  $f_{5/2}$ -level. This 370-kev transition was investigated under conditions, which permitted measurement of the ratio K/L and to estimate the E5 contribution. L.A.Sliv and A.M.Band had estimated the E5 admixture to 90%. Preparation of the Hg<sup>199</sup> source is briefly described and shown in figure 1. For measurement of the internal conversion electron spectra, a magnetic spectrometer with a thick lens was used. A G-M counter of the BAT-10 type with a mica window ( $1.3 \text{ mg/cm}^2$ ) served as detector. The spectrometer had a resolution of 3.3%, the counting background did not exceed 3 counts/min; the electron absorption in the window was negligibly small. Measuring results are shown in several

Card 1/2



Isomeric Transition in Hg<sup>199</sup>

67357

POL/45-18-6-3/5

diagrams. They show good agreement with those calculated theoretically for M4 transition in consideration of the finite nuclear dimensions and nuclear field shielding by the electron shell. The authors obtained:  $K:L(M+N) = 1:(0.57 \pm 0.09) : (0.12 \pm 0.07)$ . The mixture ratio of M4 to E5 is shown in figure 7. The maximum E5 admixture is found not to exceed 11%, which is in agreement with what was found by Pound and Wertheim. The authors finally thank Professor A. Soltan for his advice during construction of the spectrometer and for his keen interest. There are 7 figures and 13 references, 4 of which are Soviet.

ASSOCIATION: Institute of Nuclear Research, Polish Academy of Science,  
Warsaw 4

SUBMITTED: April 25, 1959

Card 2/2

SIMONI, Janusz, inz.; ZYLINSKI, Stanislaw, mgr

Criteria for selection of devices for water supply in villages.  
Gosp wodna 24 no.11:439-440 N '64.

1. Laboratory of Water Supply for Agricultural Centers,  
Institute of Soil Improvement and Grasslands, Warsaw.

Warran, Practical Geology, Vol 10, No 2 (1971), February 1962.

1. "Plan of Geological Works for 1962," THE MINING ENGINEERING SOCIETY OF THE CENTRAL GEOLOGICAL OFFICE, (Centralny Ured Geologii); pp 63-67.
2. "Geological Exploration of Deposits for Sources of Construction Ceramics," Abstracts of the 1961-62 Geological Conference, (Abstracty konferentsii 1961-62 goda) (Moscow: Gosgeolizdat, 1962); pp 67-72. (English summary).
3. "Prospects of Enclis Occurrence in the Stralia Region," Abstracts of the 1961-62 Geological Conference, (Abstracty konferentsii 1961-62 goda) (Moscow: Gosgeolizdat, 1962); pp 72-75. (English summary).
4. "Deposits of Clay for Construction Ceramics in the Kuybyshev Region," Abstracts of the 1961-62 Geological Conference, (Abstracty konferentsii 1961-62 goda) (Moscow: Gosgeolizdat, 1962); pp 75-78. (English summary).
5. "Prospects for the Exploitation of Quartzite in the Kuybyshev Region," Abstracts of the 1961-62 Geological Conference, (Abstracty konferentsii 1961-62 goda) (Moscow: Gosgeolizdat, 1962); pp 79-82. (English summary).
6. "Sixth Congress of IUGA," Report of the Geological Institute; pp 84-87.
7. "International Exhibition of Maps and Maps (IUGA)," Report of the Geological Institute; pp 87-89.
8. "Some Problems of Mineralogical Phase Analysis of Gneiss," Abstracts of the Academy of Mining and Metallurgy, (Abstracty Akademii Chernykh Metallyov); pp 89-92. (English summary).
9. "Geologic Violation in the Lode-Strasovka Syncline in the Light of the Results of the Analysis of Deep Burings," Abstracts of the Academy of Mining and Metallurgy, (Abstracty Akademii Chernykh Metallyov); pp 92-95. (English summary).
10. "Use of Patterns in Following Geological-Engineering Processes," Abstracts of the Main Institute of Mining, (Otdelnyy Institut Chernykh Metallyov); pp 97-101. (English summary).

ZYLKA, R.

"Mesozoic and Cenozoic of the southern Baltic territories and Western Belorussia." Reviewed by R. Zylka. Przegl geol 10 no.9:498-499 S '62.