

SZYMBORSKI, Wacław

5/081/62/000/022/047/088  
B180/B186

AUTHORS: Elsner, Karol, Juszczyk, Leopold, Mazur, Kazimiers,  
Nadachowski, Franciszek, Rut, Wladyslaw, Satczek, Zenoida,  
Szymborski, Wacław, Tochowicz, Stanisław

TITLE: Production method for carbonized dolomite refractories which  
do not require firing

PERIODICAL: Referativnyy zhurnal. Khimiya; no. 22, 1962, 354, abstract  
22K244 (Pol. pat. 44592, June 14, 1961)

TEXT: The distinctive feature of this method is that the dolomite fraction  
with grain size 2 mm is subjected to an electrical discharge during the  
calcination, and is then saturated under pressure by an organic substance  
which protects it from moisture. The fraction thus obtained is mixed with  
calcined magnesite, or some similar material, containing > 60 % MgO with a  
grain size of 4 mm. When the resulting mass is molded, resin, sulfite  
liquor or molasses are introduced to get better compacting. In some cases,  
to improve the mechanical properties, chemical bonding agents are added.  
[Abstractor's note: Complete translation.]

Card 1/1

PATZEK, Z. (Poland); SZYMBORSKI, W. (Poland)

Production of forsterite stones from serpentinites. Epitoanyag  
14 no.2:65-68 F '62.

SZYMBORSKI, Waclaw, doc., mgr.inz.

The trends of scientific research of the Institut of  
Fireproof Mateials. Przegl techn no.19:6,8 13 My '62.

RUDNIK, Stanislaw, doc. dr inz.; SZYMCHEL, Adam, mgr inz.

Thermal treatment of carburized parts of steel alloys.  
Przegl mech 24 no.5:139-142 10 Mr '65.

1. Head, Department of Physical Metallurgy of the Krakow  
Technical University (for Rudnik). 2. Senior Technologist  
in the Lenin Steel Works, Nowa Huta (for Szymchel).

ACCESSION NR AD5017230

REF ID: A66000 15 000 15 0240 0251  
621.389

35  
174  
B

AUTHOR: Szyjwach, H., Twarowski, J.

TITLE: Microwave orientation of ruby crystals 21

SOURCE: Przegląd elektroniki, no. 5, 1965, 246-251

TOPIC TAGS: ruby crystal, crystal orientation, microwave orientation, microwave spectrometer, spin Hamiltonian

ABSTRACT: The paper discusses a new method of orienting ruby crystals by using a standard microwave spectrometer and the relationship which exists between the position of the crystallographic axes and the position of the magnetic field. The method is assessed in terms of its accuracy and the determination of the crystallographic axes. The method is particularly useful in cases where it is impossible to orientate a crystal using an apparatus. It can also be successfully employed in such cases where it is impossible to orientate a crystal using an apparatus. It can also be successfully employed in such cases where it is impossible to orientate a crystal using an apparatus.

ACCESSION NR: AP5015230

x-ray or optical apparatus. Orig. art. has: 4 figures and 15 formulas.

ASSOCIATION: Zaklad Magnetykow IPPT PAN (Department of Magnetism, IPPT PAN)

SUBMITTED: 00

ENCL: 0

SUB CODE: SS, EC

NO REF SOV: 000

OTHER: 006

Card

*rk*

2/2

JASINSKA, M.; ZECHALKO, A.; SZYMCZAK, J.

Arsenic content of foods grown near the arsenic mine in Zlaty  
Stok. Cesk. hyg. 10 no.3:227-232 My '65

1. Lekarska akademie Vratislav, Polsko.

SZYMCZAK, J.; MIZGIER-JEZIOREKL.

Alginates in the food industry, p.383.

PRZEMYSŁ SPOCWCZY. (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow  
Przemyslu Spozyszczego) Warszawa, Poland  
Vol.13, no.9, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.1, Jan. 1959.

Uncl.



SZYMCZAK, Jozef; ZECHALKO, Alicja

Determination of minute amounts of arsenic in food and articles of common consumption. Roczn panstw zakl hig 14 no.3:239-244 '63.

1. Department of Food Articles, School of Medicine, Wroclaw.

TRZASKI, Henryk; SZYMCZAK, Leon

Technical and economic aspects of caprolactam production methods.  
Pt. 1. Polimery tworzyw wielk 8 no.5:173-175 My '63.

1. Instytut Chemii Ogólnej, Zakład Badan Ekonomicznych, Warszawa.

TRZASKI, Henryk; SZYMCZAK, Leon;

Technological and economic aspects of caprolactam production methods. Pt.2. Polimery tworzyw sztucznych 8 no.9:321-325 '63.

1. Instytut Chemii Ogólnej, Warszawa.

FOL/46-4-6-13/19

8(2),9(2,6)

AUTHOR: Szymczak, Mieczysław

TITLE: Low -Tension Stabilised Power- Supply Unit Type<sup>2a</sup>  
ZSn 400-5.

PERIODICAL: Nukleonika, 1959, Vol IV, Nr 6, p 688 - 690

ABSTRACT: This low-tension, electronically stabilised, power-supply unit is designed for servicing laboratory electronic equipment. It also provides filament heating voltage and continuously variable negative tension. Domestic alternate current is rectified in standard rectifier and then stabilised by a typical electronically controlled tension stabiliser. In order to secure good permanent stability, some components are made of tantalum. Technical data: Exit tension - continually regulated between 200 and 400 V. Exit power - 0 to 150 mA. Value of impulse tension less than 5 mA. Stability of exit current tension, depending on supply current tension fluctuating from 0 to approximately 10% - 0,2%. Stability of exit current tension (con-

Card 1/2

YEFFSEYEV, W.I.; KOMAROV, W.I.; KUSCH, W.; ROGANOV, W.S.; TCHERNOGOROVA, W.A.;  
~~SZYMCZAK, M.~~

Asymmetry in the angular distribution of the neutrons emitted in the  
 $\mu$ -meson capture process in calcium. Acta physica Pol 21 no.4:313-327  
Ap '62.

1. Joint Institute for Nuclear Research, Laboratory of Nuclear  
Problems, Dubna.

L 61548-65 EWP(t)/EWP(b) IJP(c) JD  
ACCESSION NR: AP5010646

10/0019/65/014/001/0185/0199  
621.318.122:538.114

AUTHOR: Szymczak, R.

21  
21  
B

TITLE: Investigation of magnetoplumbite domain structures

SOURCE: Archiwum elektrotechniki, v. 14, no. 1, 1965, 185-199

TOPIC TAGS: magnetoplumbite, single crystal, crystal, crystal domain structure, domain, domain structure, width thickness relationship, Bitter figure, powder pattern, domain structure thickness dependence, domain width, crystal thickness

ABSTRACT: The dependence of magnetoplumbite domain structures on crystal thickness and an external magnetic field has been investigated. The domain structure was studied with the aid of Bitter figures, and the relationship between the domain width L and the crystal thickness D was established. The results show that: 1) at  $L \leq 10 \mu$  the domain structure is in the form of plates; 2) at  $10 \mu \leq L \leq 50 \mu$  it is in the form of waves; and 3) at  $L \geq 50 \mu$  it is in the form of waves with wedges. It is established that for crystals ranging in thickness from 50 to 1300  $\mu$  the domain width differs from the one presented in the relationship  $D \sim L^{1/2}$  by C. Kittel (Physical theory of ferromagnetic domains, Rev. Mod. Phys. 21, 541, 1949). Conse-

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L 61548-65

ACCESSION NR: AP5010645

6

quently, the relationship  $D = D(L)$  is derived from the model of J. Goodenough (Interpretation of domain patterns recently found in  $BiMn$  and  $SiFe$  alloys, Phys. Rev., 122, 356, 1956). A comparison of the calculation results based on the  $D=D(L)$  relationship with the experimental data shows that the new relationship corresponds satisfactorily with the experimental results in the 1-5000  $\mu$  range of crystal thickness. "The author thanks Prof. Dr. A. Smolinski and Dr. R. Weda for their valuable advice, and engineer K. Burkiewicz for preparing the colloid." Orig. art. has: 10 formulas and 11 figures.

ASSOCIATION: Zaklad Magnetykow IPPT PAN (Division of Elementary Magnets, IPPT PAN)

SUBMITTED: 27 Mar 64

ENCL: 00

SUB CODE: SS

NO REF SOV: 002

OTHER: 006

JK  
Card 2/2

SZYMCZAK, Ritta

Experimental methods of research on a domain structure. Przegl  
elektroniki 4 no.8:441-451 Ag '63.

1. Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk,  
Warszawa.



ACC NR: AP6031785 IJP(c) JD/HW

SOURCE CODE: PO/0019/66/015/002/0477/0497

AUTHOR: Szymczak, R.

41  
B

ORG: Laboratory of Magnetic Materials, IPPT PAN (Zaklad Magnetykow IPPT PAN)

TITLE: Theory of the domain structure of uniaxial ferromagnetic substances

SOURCE: Archiwum elektrotechniki, v. 15, no. 2, 1966, 477-497

TOPIC TAGS: magnetic domain structure, ferromagnetic material

ABSTRACT: A theoretical analysis of domain structures in uniaxial ferromagnetic substances has been carried out. It was stated that for  $\mu < 1.94$  an open domain structure appears, whereas for  $\mu < 1.94$  the domain structure is partially closed. A domain structure's variation with thickness was analyzed, and the relation between domain width and crystal thickness was derived for separate models. This relation for a partially closed model was compared with experimental data for cobalt, the obtained conformity being satisfactory. For a wavy structure (modification of the open structure) the dependence of parameters characterizing the domain shape on the domain width is given as well. On the basis of this relation a method of

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UDC: 621.318.132:548.7:621.3.01

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Card 2/2

SZYMCZAK, S.

✓ Direct methods in flame-photometric analysis. II. J. Malinowski, W. Rutkowski, and S. Szymczak (Inst. Badań Jądrowych, Warsaw). *Polish Acad. Sci. Inst. Nuclear Research, Rept. No. 110/VIII*, 5 pp. (1959) (in German); cf. *ibid.* No. 20/VIII (1958); *CA* 53, 11093b. — Interferences of  $\text{SeO}_4^{--}$  (I),  $\text{H}_2\text{TeO}_6^{--}$  (II),  $\text{TiF}_6^{--}$  (III), and  $\text{Ti}^{4+}$  were studied in  $\text{C}_2\text{H}_2$ -air (Zeiss app., Model III), or oxyhydrogen (on Uvispek) flame-photometry detns. of Ca and Sr. The Na salt of EDTA was added to prevent pptn. II and III, and I in  $\text{C}_2\text{H}_2$ -air flame, suppressed the emission of Ca (at 423.7 and 622  $\text{m}\mu$ ), until a 1:1 mole ratio was attained. This is believed to be a result of free metal ions combining with ionized anions. I, II, and  $\text{Ti}^{4+}$  did not interfere with Sr detn. (at 460.7  $\text{m}\mu$ ).  $\text{Ti}^{4+}$  and III suppressed Ca and Sr emissions, resp., in direct proportion to concn. A. Szafranski

oa  
of

MALINOWSKI, Jerzy; RUTKOWSKI, Wladyslaw; SZYMCZAK, Swietlana

Indirect methods in flame analysis. Pt. 2. Chem anal 6 no.2:173-176  
'61. (EEAI 10:9)

1. Department of Analytical Chemistry, Institute of Nuclear Research,  
Polish Academy of Sciences, Warsaw. Head of Department: Prof. dr.  
J. Minczewski.

(Flame photometry) (Spectrophotometry) (Calcium)  
(Strontium)

MALINOWSKI, Jerzy; DANCEWICZ, Danuta; SZYMCZAK, Swietlana

Investigation of the determination of gallium, indium and thallium  
by the flame photometric method. Chem anal 6 no.2:183-186 '61.  
(EEAI 10:9)

1. Department of Analytical Chemistry, Institute of Nuclear Research,  
Warsaw. Head of Department: Prof. dr. J. Minczewski.

(Gallium) (Indium) (Thallium) (Flame photometry)

MALINOWSKI, Jerzy; SZYMCZAK, Swietlana

Flame-photometric determination of lithium, natrium, kalium, calcium, and magnesium in uranyl nitrate. Chem anal 7 no.5:943-946 '62.

1. Institut fuer Kernforschung, Analytische Abteilung, Warszawa.

SZYMCZAKOWSKI, Wacław

Thermal preference of *Meta menardi* Latr. (Argiopidae). *Fol. biol* 1 no.3:154-168 1953.

1. Zakład Psychologii i Etologii Zwierząt Uniwersytetu Jagiellońskiego.

(SPIDERS,

\**Meta menardi*, thermal preference)

(TEMPERATURE,

\*thermal preference of *Meta menardi*)

SZYMCZAKOWSKI, W.

SZYMCZAKOWSKI, W. Notes on some species of the Catopidae (Col.) in the Tatra Mountains.  
p. 564.

Vol. 11, No. 9, 1956.

BIOLOGIA

SCIENCE

Bratislava, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957

SZYMCZAKOWSKI, Wacław (Kraków)

Underground laboratory in Moulis in France. Wszechwiat no.3:  
72-74 Mr '62.



SZYMCZAKOWSKI, W.

Discovery of the first Devonian winged insect, Eopterum  
devonicum Rohd. Wszechswiat no.4:105 Ap '62.

SZYMCZEWSKA, Jadwiga

On Adie's syndrome. Neur. &c.polska 10 no.6:853-855 '60.

1. Z Kliniki Chorob Nerwowych Pomorskiej Akademii Medycznej w  
Szczecinie, Kierownik: doc. dr med. M.Jarema.  
(ADIE'S SYNDROME case reports)

BOZEK, E.; HRYNKIEWICZ, A.Z.; KONIECZNY, Z.; RYBICKA, M.; SZYMCZAK, S.

177

Nuclear  $g$ -factor of the 113 keV rotational level in Hf.  
Acta Physica Pol 21 no.3: Mr '62

1. Institute of Nuclear Physics, Cracow, and  
Institute of Physics, Jagiellonian University, Cracow.

ABSTRACTA MEDICA Sec 17 Vol 5/1 Public Health Jan 59

211. AIR POLLUTION IN RAGS AND WASTE-PAPER SORTING ROOMS -  
Zanieczyszczenie powietrza w sortowniach szmat i makulatury - Szymcz-  
kiewicz K., Przyłęcka J. and Patora H. Zakł. Hig. Pracy  
L.M.P., Łódź - MED. PRACY 1958, 9/2 (113-120) Tables 3

The authors have examined air pollution by dust and microorganisms in rags and waste-paper of 5 sorting rooms. Air humidity of the sorting rooms was determined as well as the type of microorganisms present on air borne dust and sorted material. The results have shown that the air pollution of the sorting rooms exceeds significantly the admissible standards. The type of microorganisms found in sorting rooms air and on the sorted material proves that it can be the cause of chronic diseases of the respiratory tract, of furunculosis, skin mycosis, panaritium, wound infections and allergic diseases.

SZYMCZVKIEWICZ, Konrad

Estimation of neuromuscular chronaxy in white rats. Acta  
physiol. polon. 7 no.1:109-112 1956.

1. Z Instytutu Medycyny Pracy w Lodzi. Dyrektor doc. dr. J.  
Nofer.

(NERVOUS SYSTEM, physiology,  
chronaxy, neuromusc., determ. (Pol))  
(MUSCLES, physiology,  
same.)

SZYMCZYK, Aleksander; WITEK, Stefan

Industrial methods for the dearomatization of paraffins. Conclusion.  
Wiad naft 8 no.1:14-17 '62.

SZYMCZYK, Antoni, inż.; HELIŃSKI, Kazimierz, technik; SHIESZEK, Jerzy, technik;  
~~GAWRON, Lucjan, technik~~

Design for imbedding the Ruths heat chamber to obtain saturated steam for the hoisting machinery in Kazimierz I pit shaft.  
Gosp paliw 11 Special issue no.(95):39 Ja '63.

1. Kopalnia Niwka, Modrzejow.

KAMIENSKI, Jozef; SZYMCZYK, Bogumila

Skin lesions in foundry workers. Przegł. dermat., Warsz.  
6 no.6:555-567 Nov-Dec 56.

1. Z Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym  
w Zabrzu Rokitnicy, Dyrektor: prof. dr. B. Nowakowski. Z Ośrodka  
chorob zawodowych skóry przy Klinice Dermatologicznej Śląskiej  
A.M. w Zabrzu Kierownik: prof. dr. T. Chorazak, ul. Curie-  
Skłodowskiej 10.

(SKIN DISEASES

occup. & other dis. in foundry workers (Pol))

(DERMATITIS, CONTACT

same)



SZYMCZYK, B.

PIETRZYKOWSKA, Alina; SZYMCZYK, Bogumila

A case of lupus occurring at the site of BCG vaccination. Gurzlica  
25 no.11:897-900 Nov 57.

1. Z Kliniki Dermatologicznej Slaskiej A.M. w Zabrzy. Kierownik:  
prof. T. Chorazak.

(BCG VACCINATION, compl.

lupus at site of vacc., case report (Pol))

(LUPUS, case reports

occurring at site of BCG vacc. (Pol))

SZYMCZYK, Bogumila; RUBISZ-BRZEZINSKA, Jozefa

Unilateral grenz-ray irradiation in symmetric eczema of the  
extremities. Przegl.derm. Warsz. 47 no.6:495-499 N-D '60.

1. Z Kliniki Dermatologicznej Sl. A.M. z Zabrze, Kierownik:  
prof. dr T.Chorazek.  
(ECZEMA radiother)

GHORAZAK, Tadeusz; RUBISZ-BRZEZINSKA, Jozefa; SZYMCZYK, Bogumila

A self-induced skin lesion appearing under the form of unilateral  
Duhring's disease. Przegl. dermat. 48 no.2:95-102 '61.

1. Z Kliniki Dermatologicznej Sl. AM w Zabrze Kierownik: prof. dr  
T. Chorazak.

(DERMATITIS HEPTIFORMIS case reports)

SZYMCZYK, Bogumila

Protective effect of vitamin A on the epithelium in mice irradiated with roentgen rays. Pol. przegl. radiol. 28 no.4:369-376 Ji-Ag '64.

I. Z Kliniki Dermatologicznej Slaskiej Akademii Medycznej (Kierownik: prof. dr med. T. Chorazak).

SZYMCZYK, Elzbieta

2 cases of pulmonary arteriovenous communications. Polski przegl.  
radiol. 25 no.3:239-246 My-Je '61.

1. Z Zakladu Radiologii Instytutu Gruźlicy Kierownik: prof. dr med.  
K. Ossowska Dyrektor: prof. dr. med. W. Jaroszewicz.

(FISTULA ARTERIOVENOUS radiog)  
(LUNG blood supply)

CHWALIBOG, Barbara; CHODKOWSKA, Stefania; POTWOROWSKA, Maria; SERAFIN, Roman;  
SZYMCZYK, Elzbieta

Multiple aspergillomas in bronchiectasis in a female patient with  
pulmonary and bronchial tuberculosis. Gruzlica 29 no.11:961-965  
N '61.

1. Z Instytutu Gruźlicy Dyrektor: prof. dr med. W. Jaroszewicz Oddział  
IX Kierownik: dr B. Chwaliąg Zakład Radiologii Kierownik: prof. dr  
med. K. Ossowska Zakład Patologii Kierownik: prof. dr med. S. Chodkowska.

(TUBERCULOSIS PULMONARY compl)  
(BRONCHIECTASIS compl)  
(ASPERGILLOSIS compl)

WIERZBIŃ, Aleksandra; CIELIK, Jan; KLOTT, Maria

Staphylococcal pneumonias in adults. *Gazetka* 32 no.4:327-336  
Apr 1964.

I. W. Instytutu Gruźlicy Zakład Radiologii (Kierownik: prof. dr.  
med. A. Ossowska) i Klinika Chorób Płuc (Kierownik: doc. dr. med.  
P. Krakowska).

SZYMCZYK, F.

SZYMCZYK, F. Surveying connected with sinking and arming shafts. p. 46.  
PRZEGLAD GEODEZYJNY. Warszawa. Vol. 12, No. 2, Feb. 1956

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



ACC NR: AP6001435

SOURCE CODE: PO/0053/65/000/009/0450/0457

AUTHOR: Zbieranowski, Wlodzimierz; Szymczak, Henryk

ORG: Institute of Magnetic Materials, IPPT, Polish Academy of Sciences  
(Zaklad Magnetykow IPPT PAN)

TITLE: The effect of quadrupole interactions and structural defects  
on the nuclear resonance of  $Al^{27}$  in ruby

SOURCE: Przegląd elektroniki, no. 9, 1965, 450-457

TOPIC TAGS: magnetic crystal, aluminum, ruby, crystal lattice defect,  
isotope, nuclear magnetic resonance, nuclear spectroscopy

ABSTRACT: The article discusses the theoretical and practical possibilities of investigating the effect of crystal lattice defects and of quadrupole interactions on the nuclear resonance of the isotope  $Al^{27}$  in ruby single crystals having various concentrations of chromium. The results are given and the experimental conditions for the measurements carried out are discussed. This investigation of the resonance spectrum of ruby as a function of domain concentration, and of the effect of the electric field and of temperature is a continuation of earlier studies in the same direction. On the basis of the results it may be concluded that the measurements based on J.R.P. (nuclear

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UDC: 621.518

ACC NR: AP6001435

spectroscopy) permit the relative comparison of various types of structural defects of ruby crystals. From the practical point of view the positive attribute of the method described is that it makes it possible to carry out measurements on whole batteries of rubies without the costly mechanical working necessary in other methods. It also permits working out optimum conditions for the controlled stress relief of single crystals. "The authors express their warm thanks to Prof. Dr. A. Smolinski for his kind assistance in carrying out this investigation, Privatdocent Dr. R. Wadasow for his constructive observations and fruitful discussions, and P.J. Matuszewski for making the photographs." Orig. art. has 4 figures, 2 tables and 12 formulas.

SUB CODE: 20/ SUBM DATE: 23Jun65/ ORIG REF: 001/ OTH REF: 008

Card 2/2 17/64

SZYMCZYK, F.; WOJCIECHOWSKI, W.

Surveying connected with sinking and arming shafts. Pt. 2. p. 101.  
(PRZEGLĄD GEODEZYJNY Vol. 12, no. 3, Mar. 1956, Warsaw, Poland)

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

SZYMCZYK, F.

SZAFRANSKI, K.; SZYMCZYK, F.; KRAUZE, S.

"Influence of sodium nitrate in extending the time during which fish retains its freshness" p. 289 (roczniki, No. 3, 1953, Warszawa)

SO: Monthly List of East European Vol. 3, No. 3 Library of Congress, March 1958<sup>4</sup>, Uncl.

SZYMCZYK, FRANCISZEK

Chemical Abst.  
Vol. 48 No. 9  
May 10, 1954  
Foods

(3)

The influence of sodium nitrite on the preservation of fish. ~~Kuzimierz Szafranski, Franciszek Szymczyk, and Stanislaw Krauze. Roczniki Państwowego Zakładu Hig. 1953, No. 3a, 347-54(English summary).~~—It was demonstrated that fresh-water fish; i.e. carp, preserved on ice contg. 0.1% NaNO<sub>2</sub> retain their freshness 5-4 days longer, on ice contg. 0.15% NaNO<sub>2</sub> 5-6 days longer than on ordinary ice (13, 14, and 19 days). The NaNO<sub>2</sub> content of fish does not exceed the legal limit of 20 mg./100 g. Ice contg. NaNO<sub>2</sub> inhibits the growth of bacteria and the development of Me<sub>2</sub>N. A quant. colorimetric method is described for detg. the nitrite content of fish with the HCl salt of *m*-phenylenediamine. Alk. Pb(OAc)<sub>2</sub> and Na<sub>2</sub>HPO<sub>4</sub> is used to ppt. proteins instead of Liquor ferri dialysati.  
Richard Erdich

SZYMCZYK, FRANCISZEK

Natural arsenic and lead content of Polish grains. Franciszek Szymczyk and Jadwiga Kolankiewicz. *RODZIMY Rolniczo-Ziarno* No. 5: 53-59 (1954). English summary. Analysis showed that the As content of grains and buckwheat varied in different areas in Poland, does not exceed 1 ppm. The influence of factors such as nature of soil, use of fertilizers, or insecticides on the As content of grains was considered negligible. No Pb was found in the samples of the grains tested. Alina S. Szczesniak.

SZYMCZYK, FRANCISZEK

Assessment of food value of *Vaccinium uliginosum*.  
 Janina Piechocka and Franciszek Szymczyk. *Kocina*,  
*Politechnicznego Zakładu Hig.* 5: 100-102, 1966 (English sum-  
 mary).—The fruits of *Vaccinium uliginosum* had the follow-  
 ing compn.: water 87.2-9.0; sugar before inversion 3.82,  
 after inversion 6.28, fructose 2.70, glucose 1.06, sucrose  
 2.33 (all sugars expressed as invert sugar); N 0.68; ash  
 0.22; acids as malic acid 1.64%. Toxicological studies  
 showed no alkaloids or glucosides were present. Feeding  
 tests on 70 mice and one human adult gave no toxicity  
 symptoms. Alina S. Szczesniak

SZYMENZYK, FRANCISZEK



ROMANOWSKI, H.; SZYMZYK, Fr., inz.

Abstracts of scientific papers. Roczn panstw zakl hig 14  
no.5:466-468 '63.

SZYMCZYK, Fr., inz.

Review of publications. Roczn panst zakl hig 15 no.2:182,200 '64.

SZYMCZYK, F., inz.; SZCZYGIEL, A., prof. dr; NIKONCROW, M., prof. dr; JUST, J.,  
prof. dr; KACERZAK, M., prof. dr

Works and achievements in public hygiene during the 20-year  
period of the Polish People's Republic. Rocz panst zakl hig  
15 no.4:337-347 '64.

CHMURA, Kazimierz, dr inz.; SLOTA, Roman, mgr inz.; SZYMCZYK, Franciszek,  
mgr inz.

Problem of industrial utilization of certain raw materials and  
rocks occurring together with coal deposits and dumped onto the  
spoil heaps of the Upper Silesian Coal Basin. Przegl gorn 21  
no.2:69-73 F '65.

CZYŻ, Jerzy, arch; FURMAN, Jan, arch.; JOZEFOWICZ, Jerzy, arch.; SKOPINSKI,  
Andrzej, arch.; PANORSKI, Włodzimierz, constr.; SZYMCZYK, Jan, constr.;  
BIENIEWSKI, Marek, modelist

Contest for a shopping center. Architektura Pol no.10:379-383 '61.

CEYPEK, Tadeusz; LEPKOWSKI, Aleksander; SZYMCZYK, Kazimierz

Sensitization to acoustic trauma and pneumatization of the mastoid.  
Otolaryngol. polska 10 no.3-4:329-334 1956.

1. Z Kliniki Otolaryngologicznej S. A. M. w Zabrzu Kierownik:  
prof. dr. T. Ceypek i z Instytutu Medycyny Pracy w Przemysle  
Węglowym i Hutniczym Oddział Otolaryngologiczny Dyrektor: prof.  
dr. B. Nowakowski. Zabrze 1, ul. Curie-Skłodowskiej 10.

(MASTOID, physiology,  
pneumatization, relation to acoustic trauma (Pol))

(NOISE, injurious effects,  
acoustic trauma, relation to pneumatization of mastoid  
(Pol))

(HEARING DISORDERS,  
acoustic trauma, relation to pneumatization of mastoid  
(Pol))

SZYMCZYK, Kazimierz

Picture of the tympanic membranes found in hearing trauma. Otolar.  
polska 13 no.3/4:621-624 '59.

1. Z Kliniki Otolaryngologicznej Sl. A.M. w Zabrze. Kierownik:  
prof.dr T. Ceypek.

(NOISE eff.inj.)

(TYMPANIC MEMBRANE pathol.)

HRYNKIEWICZ, A.Z.; SZYMCZYK, St.; WALCZAK, T.; ZAPALSKI, G.; BALDEWEG, F.;  
STILLER, G.

Coulomb excitation of  $^{209}\text{Bi}$  nucleus with  $\alpha$ -particles.  
Inst fiz jadr report no.285:l-7 '63.

1. Instytut Fizyki Jadrowej, Krakow (for Hrynkiewicz, Szymczyk,  
Walczak, Zapalski). 2. Central Institute of Nuclear Physics,  
Rossendorf (for Baldeweg and Stiller).



SZYMCZYK, S.

Testing defects by means of fluroescence, p. 151. (KRAKOW, Warszawa, Vol. 4, no. 1, 1954.)

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

S/081/62/000/002/031/107  
B151/B108

AUTHORS: Malinowski, Jerzy, Dancewicz, Danuta, Szymczak, Swietłana

TITLE: Study of the flame-photometrical method of determining gallium, indium, and thallium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1962, 143, abstract 2D47 (Chem. analit. (Polska), v. 6, no. 2, 1961, 183-186)

TEXT: For determination In and Tl a photometer with colour filters (CF) is used, Zeiss model III. For In a strontium interference CF with maximum transmission at 458 mμ (transmission at 451.1 mμ 14 %), and for Tl a CF with maximum transmission at 536 mμ is used. The excitation source is an acetylene-air flame. The determination of Ga, In and Tl is also studied, using an Uvispek spectrometer with an attachment for a hydrogen-oxygen flame. In and Tl can be determined on the Zeiss equipment at concentrations of 0.1-1.0 mg/ml, and with the Uvispek instrument Ga, In, and Al can be determined at concentrations of around 0.01-1.0 mg/ml. The presence of  $SO_4^{2-}$ ,  $PO_4^{3-}$ ,  $H_4TeO_6^{2-}$ ,  $MoO_4^{2-}$ ,  $VO_3$  and  $Al^{3+}$

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Study of the flame-photometrical...

S/081/62/000/002/031/107  
B151/B108

up to concentrations of 0.5 mg/ml in the solution to be examined has no effect on the accuracy of the results. [Abstracter's note: Complete translation.]

✓

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P/045/61/020/003/004/004  
B133/B228

AUTHORS: Bożek, E., Niewodniczański, H., Ogaza, S., Szymczyk, S.,  
and Norsejev, Yu. V.

TITLE: Energy levels in the  $^{166}\text{Er}$  nucleus

PERIODICAL: Acta Physica Polonica, v. 20, no. 3, 1961, 257-266

TEXT: In the present paper, some gamma-gamma coincidence experiments in the decay of  $^{166}\text{Yb}$  are described, and a level scheme of  $^{166}\text{Er}$  is proposed, which is more complete than that given by Gromov et al. [Ref. 7: Gromov, K. I., Dzhelepov, B. S., Pokrovskiy, V. N., Izv. Akad. Nauk SSSR, 23, 821 (1959)]. The isotopes of Yb were obtained by irradiation of Ta targets with 660-Mev protons from the synchrocyclotron of the Dubna Joint Institute of Nuclear Research (USSR). The measurements in Cracow were begun 1.5 to 3 days after the irradiations, which were performed in intervals of about two months. In the first two runs, the measurements of gamma radiation were made at different times for the decay analysis of the entire spectrum of the isotope mixture of ytterbium. From this analysis

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Energy levels...

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it was established that the coincidence measurements for  $^{166}\text{Yb}$  may be carried out in the first week of measurements. In the next two runs, gamma-gamma coincidence measurements were performed. The single-count gamma spectrum was recorded by a scintillation spectrometer using a  $1\frac{1}{2}'' \times 1''$  NaI (Tl) crystal, an EMI 6097 F photomultiplier and a 100-channel pulse-height analyzer. The resolution of this spectrometer for the 661-keV  $^{137}\text{Cs}$  line was 8.2%. The gamma-gamma coincidence spectra were recorded on the multichannel pulse-height analyzer, gating the spectrum from one counter with coincidence pulses from a fast-slow coincidence circuit (Fig. 1). NaI (Tl) crystals  $1\frac{3}{4}'' \times 2''$  and  $2'' \times 2''$  and EMI 6097 F photomultipliers were used. Resolution was 9% for the  $^{137}\text{Cs}$  line. The resolution time of the coincidence circuit was  $2\tau = 5.5 \times 10^{-8}$  sec. The existence of an 880-keV transition reported up to now only by Brabec et al. [Ref. 4: Brabec, W., Gromov, K., Dzhalepow, B. S., Dmitriev, A. G., Morozov, W. A., Izv. Akad. Nauk SSSR, 23, 812 (1959)] is confirmed by the coincidence measurements of the authors, but they could not find the 153- and 522-keV lines measured by Baranovskiy and Pokrovskiy [Ref. 5:

Card 2/6

Energy levels...

P/045/61/020/003/004/004  
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Baranovskii, W. I., Pokrovskii, W. N., *Izv. Akad. Nauk SSSR*, 23, 819 (1959)]. Besides a confirmation of the results of [6] (see list of English references), the authors obtained the following coincidences: between the 710-kev line and the 460-, 710-, 790-kev peaks; between the 790-kev line and the 185-, 460-, 710-kev peaks; between the 1180-kev line and the 880-kev peak; between the 1270-kev line and the 185- and 600-kev peaks, and between the 2070-kev line and the 80- and 185-kev photopeaks. On the basis of these experiments and the energy values of transitions given by Gromov et al., the authors suggest a new level scheme for  $^{166}\text{Er}$  from the decay of  $^{166}\text{Tm}$  (Fig. 6). The branching ratios of transitions between the levels with  $K=2$  and  $K=0$  are calculated on the strength of Alaga's theory. For the level scheme proposed by the authors, they are in better agreement with the experimental values than for the scheme given in [6]. The present proposal of the level scheme for  $^{166}\text{Er}$  needs some more confirmation. To get this, the authors are starting now gamma-gamma directional correlation experiments in order to obtain definite values of spins for the 788-, 862-, 957-, and 2140-kev levels. The authors thank S. Chojnacki and I. A. Yutlandov for the preparation of sources, and K. Malinowski and

Card 3/6

Energy levels...

P/045/61/020/003/004/004  
B133/B228

T. Walczak for assistance in measurements. There are 6 figures, 3 tables, and 7 references: 4 Soviet-bloc. The 3 references to English-language publications read as follows: Ref. 1: Mihelich, J. W., Harmatz, B., Handley, T. H., Phys. Rev., 108 989 (1957); Ref. 2: Jacob, K. B., Mihelich, J. W., Harmatz, B., Handley, T. H., Bull. Am. Phys. Soc., 3, 358 (1958). Ref. 6: Boskma, P. De Waard, H., Nuclear Phys., 12, 533 (1959).

ASSOCIATION: Institute of Nuclear Physics, Cracow; Joint Institute for Nuclear Research, Dubna (Yu. V. Nerseyev)

SUBMITTED: October 7, 1960

Card 4/6

Energy levels...

P/045/61/020/003/004/004  
B133/B228

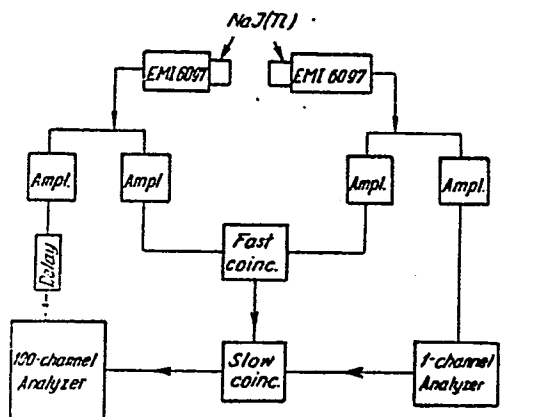


Fig. 1. Block diagram of electronics.

Fig. 1: Block diagram of the electronic apparatus

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Energy levels...

P/045/61/020/003/004/004  
B133/B228

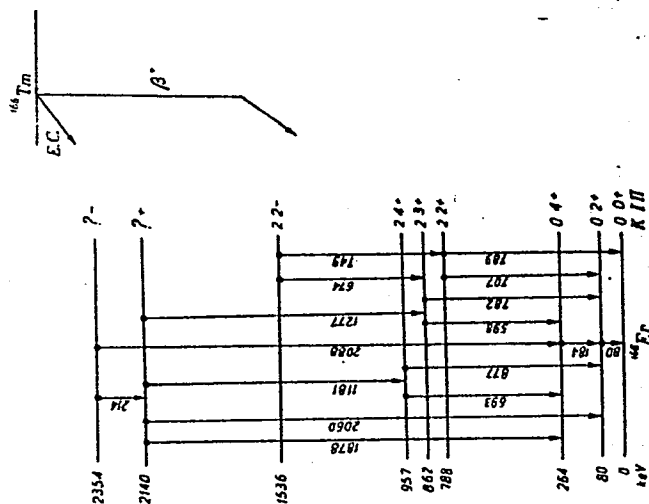


Fig. 6: Level scheme of  $^{166}\text{Er}$   
Card 6/6

SZYMCZYK, S.

P/045/62/021/003/005/005  
B137/B102

AUTHORS: Bożek, E., Hrynkiewicz, A. Z., Konieczny, Z., Rybicka, N.,  
~~Szymczyk, S.~~

TITLE: Nuclear g-factor of the 113-keV rotational level in <sup>177</sup>Hf

PERIODICAL: Acta Physica Polonica, v. 21, no. 3, 1962, 307 - 309

TEXT: Two of the following three quantities are suited for calculating the nuclear factors  $g_R$  and  $g_K$ : (1) the magnetic moment of the ground state,  $\mu_0$ ; (2) the magnetic moment of the excited rotational state,  $\mu_e$ ; (3) the magnetic dipole transition probability between any two rotational states,  $B(M1)$ .  $\mu_e$  was measured for the 113-keV excited level using the method of rotation of the angular correlation pattern for a  $\gamma$ - $\gamma$  cascade. The source, an aqueous  $\text{Lu}(\text{NO}_3)_3$  solution, was situated in an external magnetic field of 26300 gauss, perpendicular to the emission plane of the two  $\gamma$ -rays. The ratio of random to true coincidences was below 5 per cent at  $18 \cdot 10^{-9}$  sec resolution. The counters detecting 208 and 113-keV  $\gamma$ -rays enclosed the  
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Nuclear  $g$ -factor of ...P/045/62/021/003/005/005  
B137/B102

angles  $135^\circ$  and  $225^\circ$ . Measurements yielded the values  $g = \pm 0.245 \pm 0.032$  and  $\mu_0 = (1.10 \pm 0.14) \mu_N$ . When calculating the nuclear factors from the values  $\mu_0 = 0.61 \pm 0.03$  (Speck, see below) of the ground state ( $7/2^-$ ) and  $\mu_e = 1.10 \pm 0.14$  of the excited state ( $9/2^-$ ), one obtains  $g_R = 0.374 \pm 0.084$  and  $g_K = 0.120 \pm 0.030$ . From  $B(M1)$  and  $\mu_e$  one obtains  $g_R = 0.271 \pm 0.033$  and  $g_K = 0.218 \pm 0.034$ . As these results are more reasonable, this would seem to indicate that the  $\mu_0$  determination was not correct. Bernstein and de Boer determined the nuclear factors from  $\mu_0$  and  $B(M1)$  to have the values  $g_R = 0.215 \pm 0.014$  and  $g_K = 0.162 \pm 0.010$ . The disagreement in the results is well beyond the limits of error. Professor H. Niewodniczański, Doctor Z. Szymański, Mgr Z. Bochnacki, and Professor B. Mottelson are thanked for interest. There are 7 non-Soviet references. The four most important references to English-language publications read as follows: Bernstein, E. M., de Boer, J., Nuclear Phys., 18, 40 (1960); Hauser, U., Runge, K., Knissel, G., Nuclear Phys., 27, 632 (1961); Manning, G., Rogers, J. D., Card 2/3

Nuclear  $g$ -factor of ...

P/045/62/021/003/005/005  
B137/B102

Nuclear Phys., 15, 166 (1960); Speck, D. R., Bull. Amer. Phys. Soc., 1,  
282 (1956).

ASSOCIATION: Institute of Nuclear Physics, Cracow. Institute of Physics,  
Jagellonian University, Cracow

SUBMITTED: January 24, 1962

Card 3/3

BOZEK, E.; HRYNKIEWICZ, A.Z.; KONIECZNY, Z.; RYBICKA, M.; SZYMCZYK, S.

Nuclear  $g$ -factor of the 113 keV rotational level in  $^{177}\text{Hf}$ .  
Acta Physica Pol 21 no.3:177 Mr '62.

1. Institute of Nuclear Physics, Cracow, and Institute  
of Physics, Jagiellonian University, Cracow.

ELODI, Pal; SZYMCZYK, T.

Pyrophosphatase in the hawk moth *Celerio euphorbiae*. *Bul Ac Pol*  
*biol* 7 no.9:337-340 '59. (EAI 9:6)

1. Institute of Biochemistry and Physics, Polish Academy of  
Sciences. Department of Physiological Chemistry, School of  
Medicine, Warsaw. 2. Magyar Tudományos Akademia Biokemiai  
Intezete, Budapest (for Elodi). Presented by J.Heller.  
(Pyrophosphatases) (*Celerio euphorbiae*)  
(Hawk moths)

LASSOTA, Zofia; SZYMCZYK, Teresa; HELLER, J.

Endogenous respiration of mycobacterium phlei at various temperatures.  
Acta biochim. Pol. 9 no.1:47-54 '62.

1. Institute of Biochemistry and Biophysics, Polish Academy of Sciences,  
and Department of Physiological Chemistry, Medical School, Warszawa.

(MYCOBACTERIUM metab)

SZYMCZYK, Teresa

Studies on the appearance of dental calculus in man. II. Salivary proteins. Pol. tyg. lek. 19 no.31:1180-1183 3 Ag'64

1. Z Zakładu Chemii Fizjologicznej Akademii Medycznej w Warszawie; kierownik: prof. dr. med. I. Mochmacka.



SZYMCZYK, Teresa; GRATKOWSKA, Helena; KOZŁOWSKA, Irena

Studies on the appearance of dental calculus in human subjects.  
I. Dental calculus and its relation to the salivary concentration  
of calcium, phosphorus and hydrogen ions. Pol. tyg. lek. 19 no.12:  
417-420 16 Mr '64.

1. Z Zakładu Czeeni Fizjologicznej Akademii Medycznej w Warszawie  
(kierownik: prof. dr. med. Irena Mochnacka) i z Kliniki Stomatologii  
Zachowawczej Akademii Medycznej w Warszawie (kierownik: prof. dr. med.  
Janusz Krzywicki).

SZYMCZYK, Teresa

Studies on the appearance of dental calculus in man. (Activity of salivary acid phosphatase). Pol. tyg. lek. 19 no.32:1224-1226  
10 Ag '64.

1. Z Zakładu Chemii Fizjologicznej Akademii Medycznej w Warszawie, (kierownik: Zakładu: prof. dr I. Mocnańska).

SZYMCZYK, Teresa

Paper electrophoresis of salivary proteins. Pol. tyg. lek. 19  
no.37:1400-1402 S 14 '64

1. Zakładu Chemii Fizjologicznej Akademii Medycznej w War-  
szawie (Kierownik Zakładu: prof. dr. I. Mochnicka).

SZYMCZYK, Wislawa

Evaluation of radium gamma rays used in the treatment of skin neoplasms.  
Nowotwory 12 no.1:63-73 Ja-Mr '62.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr med. H. Kolodziejaska.

(RADIUM ther) (SKIN NEOPLASMS radiother)

SZYMCZYK, Wislawa; PAWLICKI, Marek

A technic for the treatment of skin cancer in the Krakow Institute of  
Oncology. Nowotwory 12 no.1:75-78 Ja-Mr '62.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr med. H. Kolodziejaska.

(SKIN NEOPLASMS ther)

DREJAK, Zdzislaw; PAWELCZYK, Jan; RAPACKI, Henryk; SZYMCZYK, Wislawa

A protective table in the radium application room. Nowotwory 12  
no.3:257-259 '62.

1. Z Instytutu Onkologii — Oddział w Krakowie Dyrektor: doc. dr med.  
H. Kolodziejska I z Instytutu Fizyki Jadrowej w Krakowie Dyrektor:  
prof. dr med. H. Niewodniczanski.  
(RADIATION PROTECTION) (RADIUM)

DEC, Jerzy; DREJAK, Zdzislaw; RAPACKI, Henryk; SZYMCZYK, Wislawa

A safe for storing radium preparations. Nowotwory 12 no.3:261-263  
'62.

1. Z Instytutu Onkologii — Oddzial w Krakowie Dyrektor: doc. dr  
med. H. Kolodziejaska I z Instytutu Fizyki Jadrowej w Krakowie Dyrektor:  
prof. dr H. Niewodniczanski.  
(RADIATION PROTECTION) (RADIUM)

DREJAK, Zdzislaw; RAPACKI, Henryk; SZYMZYK, Wislawa

A container for radium applicators. Nowotwory 12 no.3:265-267  
'62.

1. Z Instytutu Onkologii -- Oddzial w Krakowie Dyrektor: doc. dr med.  
H. Kolodziejska I Z Instytutu Fizyki Jadrowej w Krakowie Dyrektor:  
prof. dr H. Niewodniczanski.  
(RADIUM) (RADIATION PROTECTION)



SZYMEZYK, Wislawa; KOLODZIEJSKA, Hanna; BAJ, Mieczyslaw

Interstitial radium therapy of labial cancer. Nowotwory 13  
no.1:75-81 '63.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr med.  
H. Kolodziejska.

(LIP NEOPLASMS) (RADIUM)  
(NEOPLASM RADIOTHERAPY)

SZYMCZYK, Wislawa; DREJAK Zdzislaw.

A scintillation counter. Nowotwory 13 no.3:281-285 JI-S'63.

1. Z Instytutu Onkologii w Krakowie; dyrektor: doc.dr.med.  
H.Kolodziejska.

\*

SZYMCZYK, Wislawa; DREJAK, Zdzislaw

A container for phantom measurements. Nowotwory 13 no.4:  
377-379 O-D\*63.

1. Z Instytutu Onkologii w Krakowie; dyrektor: prof. dr.  
med. H. Kolodziejska.

\*

SZYMCZYK, Józef; BREJAK, Stanisław

A hydraulic press for the production of lead screens used in roentgen-ray therapy. Nowotwory 14 no.2:193-195 '64.

I. Z Instytutu (mikrologii w Krakowie (Dyrektor: prof. dr. med. H. Kołodziejka).

KUJAWSKA, Janina; SEYMOCZYK, Wisława; SKOLYSZEWSKI, Jan; KOPERA, Szymon.

A technic for rotation roentgenotherapy of esophageal cancer  
in the Krakow Institute of Oncology. Nowotwory 14 no.3:299-303  
Ag-S '64

1. Z Instytutu Onkologii w Krakowie (Dyrektor: prof. dr. med.  
H. Kolodziejaska).

KOŁODZIEJSKA, Hanna; KUJAWSKA, Janina; SKOLYSZEWSKI, Jan; SZYMCZYK, Wisława

Radiation therapy of cervical lymph node metastases. *No. 64*  
14 no.1:13-18 Ja-Mr '64.

1. Z Instytutu Onkologii w Krakowie (Dyrektor: prof. dr med.  
H. Kołodziejska).

LUKASIK, S.; SZYMCZYK, W., (Warszawa); PETECKI, C., (Rzeszow)

Statistical analysis of spinal fractures with paralysis.  
Chir. narz. ruchu 21 no.7:685-693 1956.

1. Zakład Urazowo-Ortopedyczny I.D. i S.K.L. Szpital Miejski  
Nr 4, Warszawa, Swierczewskiego 67.

(SPINE, fractures,  
causing paralysis (Pol))

(PARALYSIS, etiology and pathogenesis,  
spinal fract. (Pol))

DUBINSKA-BIELICKA, Alina; SZYMOCZYK, Włodzimierz

Results of supporting osteotomy in the treatment of fractures of the femoral neck. Chir.narz.ruchu ortop.polska 25 no.1:43-47 '60.

1. Z I Zakładu Chirurgii Urazowo-Ortopedycznej Studium Doskonalenia Lekarzy w A.M. w Warszawie. Kierownik: prof.dr. S. Łukasik  
(FEMUR NECK fracty.&disloc.)



LUKASIK, S.; MAKOWSKI, J.; SZYMZYK, W.; ZMYSLOWSKI, W.

Complicated union in the treatment of fractures of the long bone.  
Clinical analysis. Chir. narz. ruchu ortop. polska 26 no.5:613-  
617 '61.

1. Z Klinik Ortopedyczno-Urazowej Studium Doskonalenia Lekarzy  
w Warszawie Kierownik: prof. dr S.Lukasik.  
(FRACTURES surg)

SZYMCZYK, Witold, inz.

Activities of the Rzeszow branch of the Association of Polish Geodesists. Przegl geod 34 no.8:352-354 Ag '62.

SZYMCZYKIEWICZ, Konrad

Biological action of glass dust. Med. pracy 16 no.4:263-277 '65.

1. Z Zakładu Higieny Pracy Instytutu Medycyny Pracy w Łodzi  
(Dyrektor: doc. dr. J. Nofer).

V

COUNTRY : POLAND  
 CATEGORY : Pharmacology and Toxicology. Toxicology  
 ABS. JOUR. : RZhBiol., No. 1 1959, No. 4761  
 AUTHOR : Szymczykiewicz, K.  
 INST. :  
 TITLE : Influence of Vitamin B<sub>1</sub> (Thiamine) upon the  
 Course of Chronic Poisoning by CS<sub>2</sub> in White  
 Rats  
 ORIG. PUB. : Med. pracy, 1957, 8, No 4, 235-245  
 ABSTRACT : The effect of daily peroral introduction of vi-  
 tamin B<sub>1</sub> in a dose of 10 and 260 mcg was studied  
 in experiments conducted on rats which were sub-  
 jected to the action of CS<sub>2</sub> in a concentration  
 of 0.3 mg/liter for a period of 120 days during  
 6 hours daily. After termination of the experi-  
 ment, the animals of the 1st group showed an in-  
 crease of the chronaxy of the crural flexors and  
 extensors, an increase of the intensity of color  
 and an augmentation of the number of Nissl's

CARD: 1/2

FLORKIEWICZ, Leokadia; SZYMENTERA, Danuta; RUCKA, Aurelia

Developmental anomalies of the biliary tract with secondary liver cirrhosis in infants. *Pediat. polska* 34 no.9:1163-1172 Sept 59.

1. Z I Kliniki Chorob Dzieci A. M. w Poznaniu Kierownik: prof. dr med. T. Rafinski i z Zakladu Anatomii Patologicznej A. M. w Poznaniu Kierownik: prof. dr med. J. Groniowski.  
(BILIARY TRACT, abnorm.) (LIVER CIRRHOSIS, in inf. & child)

SZYMENDERA, Janusz; BOGUSKA, Jadwiga; HASIK, Jan; JELJASZEWICZ, Janusz

Course of controlled therapy of patients with endocarditis. Polski  
tygod.lek. 15 no.40:1524-1528 3 0 '60.

1. II Kliniki Chorob Wewnętrznych Akademii Medycznej w Poznaniu;  
kierownik: prof. dr Jan Roguski i z Zakładu Mikrobiologii Lekarskiej  
Akademii Medycznej w Poznaniu; kierownik: prof. dr Jan Adamski.  
(ENDOCARDITIS BACTERIAL ther)

MALINOWSKI, Zbigniew; SZYMENDERA, Janusz; TOLWINSKI, Jerzy; MALINOWSKA,  
Janina; NOWOSIELSKI, Janusz; MAKOLSKA, Joanna; JASINSKI,  
Wladyslaw

Ca-47 turnover in a healthy man. Nowotwory 12 no.4:335-340 '62.

I. Z Zakladu Izotopowego Instytutu Onkologii w Warszawie Kierownik:  
prof. dr med. W. Jasinski Dyrektor: prof. dr med. W. Jasinski.  
(CALCIUM)

GEMBICKI, Maciej; MAGAS, Stanislaw; SZYMENDERA, Janusz

Value of electrophoretic studies on blood proteins in the diagnosis of liver cirrhosis. Polskie arch. med. wewn. 31 no.8:1049-1057 '61.

1. Z II Kliniki Chorob Wewnetrznych AM w Poznaniu Kierownik: prof. dr med. J. Roguski.

(LIVER CIRRHOSIS blood) (BLOOD PROTEINS)



SZYMCNDERA, Janusz; TOJMINSKI, Jerzy; BALASIMICZ, Wanda

Studies on Calcium metabolism. Pol. arch. med. wewnet. 34 no.6:  
739-742 '64

1. Z Instytutu Onkologii w Warszawie (Dyrektor: prof. dr.  
W. Jasinski).

SZYMENDERA, Lech,; STRUPCZEWSKI, Andrzej

A method of approximate evaluation of initial values for shielding computations. Nukleonika 7 no.7/8:445-453 '62.

1. Polish Academy of Sciences, Institute of Nuclear Research,  
Reactor Engineering Department, Warsaw.

SZYMICZEK, Casimir

The  $uv = w^2$  equation with triangular numbers. Publ Inst  
math SANU 3:139-141 '63.

SZYMICZEK, K. (Katowice)

On the equation  $a^x - b^x = (a-b)c^y$ . Rocznik wiadomosci matematycznych  
no.2:233-236 '64.