

ZLOTOWSKI, Ignacy; RYMASZEWSKA, Maria

Studies on the radioactivity of Polish mineral waters. Acta
geophys pol 10 no.1:55-62 '62.

ZLOTOWSKI, Ignacy

Mikhail Lomonosov, the outstanding naturalist. Nauka polska 10
no.4:141-155 '62.

1. Katedra Chemii Jadrowej, Uniwersytet, Warszawa.

ZLOTOWSKI, Ignacy; WROBLEWSKA, Maria

Simplified method of determining deuterium in water by means of the falling-drop method. Nukleonika 7 no.12:775-788 '62.

1. Katedra Chemii Jadrowej, Uniwersytet, Warszawa.

ZLOTOWSKI, Ignacy; RYMASZEWSKA, Maria

Studies on the radioactivity of Polish mineral waters. Pt.

2. Acta geophys Pol 11 no. 1/2: 59-65 '63.

1. Katedra Chemii Jadrowej, Uniwersytet, Warszawa.

POLAND

ZLOTOWSKI, Ignacy; RYMASZEWSKA, Maria; ZELMO, Irena.

Department of Nuclear Chemistry, University of Warsaw (Katedra
Chemii Jadrowej U.W.), Warsaw - (for all).

Warsaw, Acta Geophysica Polonica, No 4, October-December 1965,
pp 229-233

"Notes on the long lived alpha-radioactivity of Vistula River
water and drinking water in Warsaw."

POLAND

ZLOTOWSKI, Ignacy; RYMASZEWSKA, Maria.

Department of Nuclear Chemistry (Katedra Chemii Jadrowej), UW,
(for both).

Warsaw, Acta Geophysica Polonica, No 3, July-September 1965,
pp 191-194

"Notes on radioactivity of Polish mineral waters."

L 39542-66 EWT(m)/T IJP(c) GD

ACC NR: AP6008156

SOURCE CODE: PO/0046/65/010/007/0427/0431

AUTHOR: Forys', Mechislaw--Forys, M.; Zlotowski, Ignatsy--Zlotowski, I. 9
B

ORG: Nuclear Chemistry Faculty, University of Warsaw, Warsaw

TITLE: Device for precise measurements of sup 14 C radioactivity in organic compounds

SOURCE: Nukleonika, v. 10, no. 7, 1965, 427-431

TOPIC TAGS: radioisotope, carbon, radioactivity measurement, radiochemistry, carbon compound

ABSTRACT: The construction and operation of a self-quenching G-M counter for measuring radioactivity of ¹⁴C in organic compounds, converted to CO₂, is described. The statistical error involved in measuring specific activities of the order of 5×10^{-3} μ c/mg was less than 1%. Orig. art. has 2 figures and 2 tables. 19
[NA7]

SUB CODE: 07, 18 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 006

SOV REF: 001

Card 1/1 vmb

POLAND

ZLOTOWSKI, Ignacy; RYMASZEWSKA, Maria; ZIEJMO, Irena

Dept. of Nuclear Chemistry (Katedra Chemii Jadrowej), UW

Warsaw, Acta Geophysica Polonica, No 1, Jan-Mar 1966, pp 11-14

"Research on processes of precipitation of alpha-active sediments
in the course of evaporation of mineral waters."

Analysis - Chemical &
Physical

13927* Quantitative Determination of Potassium by the
Radioactivity Measurements of Isotopes (Polish) J.
Zlotowski, *Przegląd Chemiczny*, v. 8, no. 10, Oct. 1952, p.
139-143.
Compares radioactive measurement with chemical and physico-
chemical methods and discusses advantages. Tables: 20 ref.

6-16-54
RMZ

S/081/61/000/020/030/089
B117/B147

AUTHOR: Zlotskiy, S. N.

TITLE: New method of detecting barium, strontium, and calcium ions in their sulfate mixture

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1961, 107, abstract 20D43 (Sb. tr. Ufimsk. neft. in-ta, no. 3, 1960, 241-244)

TEXT: The author developed a fractional method of detecting Ba, Sr, and Ca in their sulfate mixture basing on the different solubilities of sulfates and carbonates of alkaline earth metals. Only CaSO_4 is transformed into carbonate when treating sulfate precipitates with a mixture of Na_2SO_4 and Na_2CO_3 solutions in a ratio of $5.72 \cdot 10^{-3} > \text{CO}_3^{2-}/\text{SO}_4^{2-} > 7.87 \cdot 10^{-5}$. At $75 > \text{CO}_3^{2-}/\text{SO}_4^{2-} > 5.72 \cdot 10^{-3}$, however, both CaSO_4 and SrSO_4 are transformed into carbonates. For detecting Ca, Sr, and Ba, 0.05 g of sulfate mixture is divided into three portions. One of them is heated and centrifuged with 15 drops of Na_2SO_4 solution saturated at room temperature.

Card 1/2

New method of detecting ...

S/081/61/000/020/030/089
B117/B147

and with 10 drops of 0.01 M Na_2CO_3 solution for 2 min. The precipitate is treated with 3 drops of CH_3COOH (Ca carbonate passes into solution) and Ca is detected by means of $(\text{NH}_4)_2\text{C}_2\text{O}_4$. Similarly, the second portion is treated with 15 drops of Na_2SO_4 solution and 15 drops of 1 M Na_2CO_3 solution. Ca and Sr carbonates are dissolved in CH_3COOH , Sr is detected with the aid of gypsum water. For detecting Ba, the third portion is heated with 20-25 drops of Na_2CO_3 solution for 5 min, the precipitate is centrifuged, washed out with water, dissolved in CH_3COOH , and Ba is detected as chromate. The method developed may also be used for the quantitative separation of alkaline earth metals. [Abstracter's note: Complete translation.]

Card 2/2

ZLOTSKIY, S.N.

Detection and separation of sulfates of alkaline earth metals.
Izv. vys. ucheb. zav.; khim. i khim. tekhn. 4 no. 2:317-318 '61.
(MIRA 14:5)

1. Ufimskiy neftyanoy institut. Kafedra fizicheskoy i
analiticheskoy khimii.
(Alkaline earth metals—Analysis) (Alkaline earth sulfates)

MINENKO, V.I., kand.khimicheskikh nauk; ZLUNITSYN, S.A., kand.fiziko-
matematicheskikh nauk; PETROV, S.M., kand.khimicheskikh nauk;
ROMAS'KO, S.D., kand.geolog-mineralogicheskikh nauk;

Concerning the effect of magnetic fields on the physical properties
of water. Prom.energ. 17 no.5:24-26 My '62. (MIRA 15:5)
(Feed-water purification)

Heat conductivity of ammonium bromide and chlorides under pressure. S. A. Zaslavsky, *J. Appl. Theoret. Phys.* (U. S. S. R.), 7, 744-304 (1938). The results of measurements on the heat capacities of powders of NH_4Br and NH_4Cl at pressures from 0 to 1435 kg./sq. cm. and at temps. up to within 0.05° of the discontinuity point are given in 17 tables and graphs. The discontinuity is finite, and indicates a phase change. The temp. of the heat capacity discontinuity is a linear function of the pressure applied. ΔT , $\Delta T = -14^\circ$ for 1035 atm. and for NH_4Br , $\Delta T = -10^\circ$ for 1035 atm. H. H. Rastbach

SA

A 53
J

3715. Specific Heat of NH_4 under Pressure. S. L. Luntz.
J. of Exp. and Theor. Physics, U.S.S.R. 9. 1. pp. 73-75, 1939. In Russian.
The specific heat-temperature curves at different pressures were measured for NH_4 , as well as the heat of transition at the transition of the first kind. The specific heat jump at the Curie point was found to increase with increase of pressure. The results are compared with those for the other ammonium halides.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

SA

A 53
K

4611. Thermal Conductivity of Technical Alloys at Low Temperatures. S. Zhuravskii and I. Shvachko. *J. Techn. Phys. U.S.S.R.* 10, pp. 866-867, 1930. *In Russian.*—The thermal conductivities of a number of technical alloys were measured at 18, 78 and 290° K. and found to become much smaller at the lower temperatures. D.S.

ASACSLA METALLURGICAL LITERATURE CLASSIFICATION

100-100-100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Ca

2

Heat conductivity of industrial alloys at low temperatures. S. A. Zheleznyy and E. V. Savelyev. *J. Tech. Phys.* (U.S.S.R.) 9, 805-7(1939).--The heat cond. of Neumiller, Melchior, Cr-Ni steel, phosphor bronze and beryllium bronze increases 10-30 times from -254° to $+17^{\circ}$. J. J. Nikerovich

ASB-514 METALLURGICAL LITERATURE CLASSIFICATION

GROUP	CLASS	SUBCLASS	SECTION	ENTRY
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
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97	97	97	97	97
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99	99	99	99	99
100	100	100	100	100

Thermal capacity of ammonium iodide under pressure. S. A. HILDEBRAND, *J. Appl. Chem.*, **1929**, *3*, 8. S. R. R. E., 72-5 (1928).—The heat-capacity curves of NH_4I were measured at pressures of 0, 280, 240 and 1540 kg./sq. cm. and temps. from -60 to $+10^\circ$. For app. and data on NH_4Cl and NH_4Br , cf. C. A. 23, 4969. The discontinuities of these curves give for the Curie points: -40.8° and -12.96° at 0 kg./sq. cm.; -41.8° at 100; -44.2° at 280; -44.0° at 240; -46.1° at 470; -47.4° at 550; -62.5° at 900 and -56.1° at 1280 kg./sq. cm. The phase transformations occur at -13.7° at 0 kg./sq. cm., -1.9° at 160; $+12.8^\circ$ at 300; $+33.4^\circ$ at 600 and $+56.7^\circ$ at 980 kg./sq. cm. The heat of transformation is 227 small cal./mol. at zero pressure. Z. believes that at higher pressure the β curves will approach each other at the λ -point. Unlike the data for NH_4Cl , these data cannot be explained by the development of a rotational motion of the mols. with increasing temp. F. H. R.

1ST AND 2ND COPIES

PROCESSING AND PROPERTY INDEX

2

Compressibility of hydrogen at low temperatures. S. A. Alimov and N. S. Rudenko. *J. Exptl. Theoret. Phys. (U.S.S.R.)* 16, 770-9(1946).--Measurements were made on H purified by freezing and with pressures accurate within 0.02 kg./sq. cm. and temp. const. within 0.1°. On the compressibilities of P/P_0 (1) the error is not over 2-3%. Data of I are tabulated and plotted in terms of the pressure P up to 1000 kg./sq. cm., at three temps. 65.0, 77.7, and 90.6°K.; all three isotherms have a min. I at 70, 88, and 50 atm., resp.; the corresponding values (from graph) are 0.38, 0.60, and 0.80, resp. Beyond the min., the isotherms rise very nearly linearly, with different slopes, indicating shifts in the ratio of intermol. repulsion and attraction. Selected data: at 65.0°K. $P = 0.1, 50.4, 67.0, 100.5, 426.0, 900.0$ kg./sq. cm., $I = 0.9703, 0.8721, 0.8041, 0.1027, 2.1003, 4.0020$; at 77.7°K. $P = 6.1, 63.5, 125.4, 403.0, 950.0$, $I = 0.9857, 0.9270, 0.9642, 1.8863, 3.4330$; at 90.6°K. $P = 7.1, 40.5, 74.9, 120.5, 405.0, 1001.0$, $I = 1.0031, 0.9007, 0.9737, 1.0403, 1.7475, 3.2887$. The three isotherms intersect one another. The departure from ideal-gas behavior is most pronounced at 65.0°K. at which temp. the H is far from homogeneous in phase. N. Thon

450.314 METALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION

SEARCHED	INDEXED	SERIALIZED	FILED
1	2	3	4
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89	90	91	92
93	94	95	96
97	98	99	100

22(1)

SOV/3-59-3-22/48

AUTHOR: Zlupko, S.N.

TITLE: In Close Contact With Specialty (V tesnoy svyazi
so spetsial'nost'yu)

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 3, pp 52-53 (USSR)

ABSTRACT: The Chair of Political Economy of the L'vov University is one of a general character, and therefore students from various departments work in the student circle of this chair. Its work differs somewhat from that of other circles, and this has to be considered when determining the themes of lectures to be held by students. The author lists a number of lectures delivered by members of the circle, and points out that if the theme does not conform to the student's interests and specialty, he will lose the desire to work in the circle. There were cases where students had been unable to cope with the subject they had chosen for a lecture. Other students again developed the

Card 1/2

In Close Contact With Specialty

SOV/3-59-3-22/48

themes and used it subsequently for their graduation thesis. Members of the Circle of Political Economy also lecture in vuzes of other cities, and receive visitors from other vuzes. Thus student-economists from the Kishinev and Kiyev universities and the L'vov Polytechnical and Torgovo-ekonomicheskii (Commercial-Economic) Institutes delivered lectures at the above mentioned chair.

ASSOCIATION: L'vovskiy universitet imeni Ivana Franko (L'vov University imeni Ivan Franko)

Card 2/2

ZIL'DENNYI, I., polkovnik, Geroy Sovetskogo Soyuza

Thank you, pilot! Av. 1 kom. 28 no. 9160-42 165,

(MIRA 18:8)

USSR/Human and Animals Physiology - Respiration.

V-5

Abs Jour : Ref Zhur - Biol., No 2, 1958, 8666

Author : D.M. Zlydnikov

Inst :

Title : The Problem of the Coughing Mechanism (A Bronchographic Study)

Orig Pub : Vestnik oto-rino-laringologii, 1956, No 3, 31-36

Abstract : In the act of coughing there occurs in patients with bronchial asthma and other pulmonary illnesses a spastic contraction of the trachea and large bronchi which is uniform for its entire length as well as as a uniform straightening of the small bronchi. Coughing is possible even when the glottis is not closed at the expense of coordinated contraction of respiratory and bronchial musculature. The realization of this makes it possible to suppose that the rate of movement of air in the tracheobronchial system at the moment of coughing is greater than it is usually

Card 1/2

deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR, professor, zavedi-
yushchiy.

The Russian scientist A. Rodoskii was the first to establish the neuro-
genetic etiology of bronchial asthma. Klin.med. 31 no.3:91-93 Kr '53.
(MLRA 6:5)

1. Gospital'naya terapevticheskaya klinika I Leningradskogo meditsinskogo
instituta imeni I.P. Pavlova. 2. Akademiya meditsinskikh nauk SSSR (for
Chernorutskiy). (Asthma) (Rodoskii, Andrei)

ZLYDNIKOV, D.M., kandidat meditsinskikh nauk

Studying the physiology and pathophysiology of the bronchial tree by means of bronchography. Report no.2. Vest.rent. i rad. 31 no.1: 62-69 Ja-F '56. (MIRA 9:7)

1. Iz kafedry gosital'noy terapii (sav.-deystvitel'nyy chlen AMN SSSR prof. M.V.Chernorutskiy) i Leningradskogo meditsinskogo instituta imeni akademika I.P.Pavlova i kafedry rentgenologii (nach.-prof. G.A.Zedgenidze) Voenno-morskoy meditsinskoy akademii. (BRONCHI, radiography bronchography, of physiol. in health & dis.)

ZLYDNIKOV, D.M., kandidat meditsinskikh nauk

Mechanism of coughing; bronchographic investigation. Vest. oto-rin.
18 no.3:31-36 My-Je '56. (MLBA 9:8)

1. Iz kafedry gosptal'noy terapii i Leningradskogo meditsinskogo
instituta imeni I.P.Pavlova (sav. deystvitel'nyy chlen AMN SSSR
M.V.Chernorutskiy) i kafedry rentgenologii Voenno-morskoy medi-
tsinskoy akademii (nach. - prof. G.A.Zedrenidze)

(COUGH, physiology,
bronchography (Rus))
(BRONCHI, radiography,
in cough (Rus))

ZLYDNIKOV, D.M.

Therapeutic significance of bronchography in bronchial asthma.
Vest. rent. i rad. 32 no.1:22-23 supplement '57 (MLRA 10:5)

1. Iz kliniki gosptal'noy terapii i Leningradskogo meditsinskogo
instituta imeni I.P. Pavlova i kafedry rentgenologii Voenno-morskoy
meditsinskoy akademii.

(ASTHMA, ther.

cocaine & iodized oil prep., role of bronchography in)
(CONTRAST MEDIA, ther. use

iodized oil prep. with cocaine in asthma, role of bronchography)
(COCAINE, ther. use, asthma, with iodized oil prep., role of
bronchography in)

(BRONCHI, radiography

role in ther. of asthma with cocaine & iodized oil prep.)

ZLYDNIKOV, Dmitriy Mikhaylovich

[Bronchography] Bronkhografiia. Leningrad, Medgiz, 1959. 147 p.

(BRONCHI--RADIOGRAPHY)

(MIRA 13:7)

ZLYDNIKOV, D.M., dotsent (Leningrad)

Enzymatic treatment of lung diseases. Terap.arkh. no.6:3-10 '61.

(MIRA 15:1)

(LUNGS--DISEASES) (ENZYMES--THERAPEUTIC USE)

ZLYDHIKOV, D. M., dotsent

Proteolytic enzyme therapy in bronchial asthma and chronic non-specific pneumonia. Terap. arkh. no. 7:62-67 '61.

(MIRA 15:2)

1. Iz kafedry gosptal'noy terapii (zav. - prof. P. K. Bulatov)
I Leningradskogo meditsinskogo instituta imeni I. P. Pavlova.

(ASTHMA) (PNEUMONIA) (PROTEASES)

BULATOV, P.K., prof.; ZLYDINKOV, D.M., dotsent

Experience in treating chronic pneumonia with aerosols of antibiotics and proteolytic enzymes. Sov.med. 28 no.7:27-31 J1 '65.
(MIRA 18:8)

1. Kafedra gosspital'noy terapii (zav. - prof. P.K.Bulatov) I
Leningradskogo meditsinskogo instituta imeni Akademika I.P.Pavlova.

BULATOV, P.K.; ZLYDNIKOV, D.M.; FEDOSEYEV, G.B.; KHAN-FIMINA, V.A.

Use of garlic phytoncides for the treatment of various
inflammatory diseases of the respiratory organs. Sov.med.
28 no.12:86-90 D '65. (MIRA 18:12)

1. Kafedra gosptal'noy terapii (zav. - prof. P.K.Bulatov) i
kafedra mikrobiologii (zav. - prof. V.N.Kosmodamianskiy) I
Leningradskogo meditsinskogo instituta imeni I.P.Pavlova.

ZLUGOSTEV, M.Ya.

Method of changing spring wheat into winter wheat and its application in breeding work. Agrobiologiya no.2:23-26 Nov-Apr '58.
(Wheat breeding) (MIRA 11:4)

ZLYGOSTEV, M.Ya.

Late fall sowing as means of revitalizing spring wheat. Agrobio-
logia no.4:616-618 J1-Ag '60. (NIRA 13:8)

1. Valenskaya gosudarstvennaya selektsionnaya stantsiya,
Kiryovskaya oblast'.
(Wheat)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320001-2

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320001-2"

ZMACHINSKIY, A.V., inzh.

Installing the TP-170 boiler unit. Elek.sta. 29 no.8:78-79
Ag '58. (MIRA 11:11)
(Boilers)

ZMACHINSKIY, A.V., insh.

Lifting the small drum unit of the TP-170 boiler together with the
steam and water circulating tubes. Elek. sta. 29 no. 7:74-75 J1 '58.

(MIRA 11:10)

(Boilers, Water-tube)

POLYAKOV, G.M., kand. tekhn. nauk; IL'IN, A.V., kand. tekhn. nauk; ZMACHINSKIY,
A.V., inzh.; SHCHAPOV, G.A., inzh.

Investigation into the performance of the TP-170 boiler operating
on natural gas at variable feed-water temperature. Teploenergetika
6 no.12:51-55 D '59. (MIRA 13:3)

1. Saratovskiy avtomobil'no-dorozhnyy institut.
(Boilers)

IL'IN, A.V., kand.tekhn.nauk, dots.; POLYAKOV, G.M., kand.tekhn.nauk,
dots.; ZMACHINSKIY, A.V., inzh.; SHCHAPOV, G.A., inzh.

Characteristics of natural gas from the Bagayevka field as
a power fuel. Izv.vys.ucheb.zav.; energ. 2 no.6:93-96
Je '59. (MIRA 13:2)

1, Saratovskiy politekhnicheskij institut. Predstavlena
kafedroy teploenergetiki.
(Bagayevka region--Gas, Natural) (Gas as fuel)

ZMACHINSKIY, A.V., inzh.

Dependence of the efficiency of a boiler unit on the feed water
temperature. Elek. sta. 32 no. 5:5-7 Ky '61. (MIRA 14:5)
(Boilers) (Feed water)

ZMACHINSKIY, A.V., inzh.

Efficient distribution of air heaters. Teploenergetika 8 no.12:
40-42 D '61. (MIRA 14:12)

1. Saratovskiy politekhnicheskii institut.
(Boilers)

ANDRYUSHCHENKO, A.I., doktor tekhn.nauk, prof.; ZMACHINSKIY, A.V., inzh.

Calculation of the optimum temperature of the exhaust gases
of electric power plant boilers. Izv. vys. ucheb. zav.;
energ. 5 no.1:57-68 Ja '62. (MIRA 15:2)

1. Saratovskiy politekhnicheskii institut.
(Boilers)

ZMACHINSKIY, A.V., inzh.

Determination of the dependence of the efficiency of an operating boiler unit on the temperature of the feed water. Izv.vys.ucheb. zav.; energ. 5 no.4:60-67 Ap '62. (MIRA 15:5)

1. Saratovskiy politekhnicheskoy institut. Predstavlena kafedroy promteplotekhniki.

(Boilers)

(Feed water)

ZMACHINSKIY, A.V., inzh.

Calculation of minimal temperature pressures with single-stage distribution in the tail heating surfaces of a boiler. Sbor. nauch. soob. SPI no.17:77-86 '62.

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Determination of optimum air heating temperature in single-
stage boiler air preheaters. Teploenergetika 11 no.3:
32-36 Mr '64. (MIRA 17:6)

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POLYAKOV, G.M., kand. tekhn. nauk; ZMACHINSKIY, A.V., kand. tekhn. nauk

Experience in welding pipes rolled in the drums of TP-170 boilers. Elek.
sta. 35 no.9:85-86 S '64. (MIRA 18:1)

Investigation of coal from Kizlovsk (Russia). B. V. ZMAGORIN, AND I. V. KRUPINA. *J. Applied Chem. (U. S. S. R.)* 5, 648-55 (1932). Analytical data are given.

V. KATKOV

17

SECRETIAL AND PROPERTY DATA

4

The potential of silver and copper in solutions of halide salts. I. P. Minkovskii and B. V. Zinchenko. *Compt. rend. acad. sci. U. R. S. S. 17, 211-13 (1947) (in German).*

The solns. were alkali, Ba and Cd halides. In the equation $E = a + b \log f_0$, the const. a , in the case of dil. solns., depended only on the metal and on the halogen ion, while const. b depended on valence of the cation and was about equal to RT/nF . In concd. solns., a showed large variations; and b was 2-4 times its value in dil. solns. For $CdCl_2$ the deviation in a was particularly great in the concd. solns. (up to 4 N).

P. M. Keller.

ASB-15A METALLURGICAL LITERATURE CLASSIFICATION

SECRETIAL AND PROPERTY DATA

4

18

SECRETIAL AND PROPERTY DATA

4

The potential of silver and copper in solutions of halide salts. I. P. Minkovskii and B. V. Zinchenko. *Compt. rend. acad. sci. U. R. S. S. 17, 211-13 (1947) (in German).*

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P. M. Keller.

ASB-15A METALLURGICAL LITERATURE CLASSIFICATION

SECRETIAL AND PROPERTY DATA

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19

SECRETIAL AND PROPERTY DATA

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The potential of silver and copper in solutions of halide salts. I. P. Minkovskii and B. V. Zinchenko. *Compt. rend. acad. sci. U. R. S. S. 17, 211-13 (1947) (in German).*

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P. M. Keller.

ASB-15A METALLURGICAL LITERATURE CLASSIFICATION

SECRETIAL AND PROPERTY DATA

4

20

SECRETIAL AND PROPERTY DATA

4

The potential of silver and copper in solutions of halide salts. I. P. Minkovskii and B. V. Zinchenko. *Compt. rend. acad. sci. U. R. S. S. 17, 211-13 (1947) (in German).*

The solns. were alkali, Ba and Cd halides. In the equation $E = a + b \log f_0$, the const. a , in the case of dil. solns., depended only on the metal and on the halogen ion, while const. b depended on valence of the cation and was about equal to RT/nF . In concd. solns., a showed large variations; and b was 2-4 times its value in dil. solns. For $CdCl_2$ the deviation in a was particularly great in the concd. solns. (up to 4 N).

P. M. Keller.

ASB-15A METALLURGICAL LITERATURE CLASSIFICATION

SECRETIAL AND PROPERTY DATA

4

21

SECRETIAL AND PROPERTY DATA

4

The potential of silver and copper in solutions of halide salts. I. P. Minkovskii and B. V. Zinchenko. *Compt. rend. acad. sci. U. R. S. S. 17, 211-13 (1947) (in German).*

The solns. were alkali, Ba and Cd halides. In the equation $E = a + b \log f_0$, the const. a , in the case of dil. solns., depended only on the metal and on the halogen ion, while const. b depended on valence of the cation and was about equal to RT/nF . In concd. solns., a showed large variations; and b was 2-4 times its value in dil. solns. For $CdCl_2$ the deviation in a was particularly great in the concd. solns. (up to 4 N).

P. M. Keller.

ASB-15A METALLURGICAL LITERATURE CLASSIFICATION

SECRETIAL AND PROPERTY DATA

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22

SECRETIAL AND PROPERTY DATA

4

The potential of silver and copper in solutions of halide salts. I. P. Minkovskii and B. V. Zinchenko. *Compt. rend. acad. sci. U. R. S. S. 17, 211-13 (1947) (in German).*

The solns. were alkali, Ba and Cd halides. In the equation $E = a + b \log f_0$, the const. a , in the case of dil. solns., depended only on the metal and on the halogen ion, while const. b depended on valence of the cation and was about equal to RT/nF . In concd. solns., a showed large variations; and b was 2-4 times its value in dil. solns. For $CdCl_2$ the deviation in a was particularly great in the concd. solns. (up to 4 N).

P. M. Keller.

ASB-15A METALLURGICAL LITERATURE CLASSIFICATION

SECRETIAL AND PROPERTY DATA

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23

SECRETIAL AND PROPERTY DATA

4

The potential of silver and copper in solutions of halide salts. I. P. Minkovskii and B. V. Zinchenko. *Compt. rend. acad. sci. U. R. S. S. 17, 211-13 (1947) (in German).*

The solns. were alkali, Ba and Cd halides. In the equation $E = a + b \log f_0$, the const. a , in the case of dil. solns., depended only on the metal and on the halogen ion, while const. b depended on valence of the cation and was about equal to RT/nF . In concd. solns., a showed large variations; and b was 2-4 times its value in dil. solns. For $CdCl_2$ the deviation in a was particularly great in the concd. solns. (up to 4 N).

P. M. Keller.

ASB-15A METALLURGICAL LITERATURE CLASSIFICATION

SECRETIAL AND PROPERTY DATA

4

24

SECRETIAL AND PROPERTY DATA

4

The potential of silver and copper in solutions of halide salts. I. P. Minkovskii and B. V. Zinchenko. *Compt. rend. acad. sci. U. R. S. S.*

ACC NR: AP7000766

SOURCE CODE: UR/0143/66/000/005/0046/0053

AUTHOR: Ponyatov, V. A. (Candidate of Technical Sciences); Zmachinskiy, A. V. (Candidate of Technical Sciences); Musatov, Yu. V. (Engineer)

ORG: Saratov Polytechnic Institute (Saratovskiy politekhnicheskiy institut)

TITLE: Determination of most suitable backpressure in gas turbines in steam-gas installations with exhaust of combustion products into boiler unit

SOURCE: IVUZ. Energetika, no. 5, 1966, 46-53

TOPIC TAGS: steam boiler, gas turbine, steam turbine / K-200-130 steam turbine, K-300-240 steam turbine, GT-30-750 LMZ gas turbine, GT-60-750 gas turbine

ABSTRACT: An analysis of the determination of the optimal backpressure of the gases for a steam-gas unit consisting of typical steam and gas turbines with fixed initial parameters. The method developed permits analytic calculation of the economically most suitable backpressure. The economically most suitable pressure drops for each heating surface are also found. The values calculated are: a) for the steam turbine K-200-130 with the gas turbine GT-30-750 LMZ, 1.10 bar; b) for the K-300-240 steam turbine and GT-60-750 LMZ gas turbine, 1.11 bar. A calculation formula is presented for determining the economy of the optimal gas velocities in convective surfaces of the boiler, planned for operation in steam-gas units with exhaust of the combustion products to the boiler burner. [JPRS]

Card 1/12 SUB CODE: 13 / SUBM DATE: 05 May 65 / ORIG REF: 006 / OTH REF: 001

ZMACHINSKIY, O.

Zmachinskiy, O., On the drifting ice of the North Arctic Ocean, Letopis' Severa
(Annals of the North), T. 2, Vol 2, Moscow, 1957, p 7-33; (RZhGeogr 3/58-6223)

ZMACZYNSKI, Aleksander, prof.dr.

On the activities of the institutes of national economic
branches of the administration. Przegl techn 79 no.7:242-
244 Ap '58.

ZMACZYNSKI, Aleksander

Development prospects of the Institute of General Chemistry
during the coming years. Przem chem 42 no.12:674-677 D'63.

ZIOBROWSKI, Jerzy; ZMACZYNSKI, Kazimierz

Alkalimetric determination of lactic acid in fermenting mash with the help of ion-exchange resins. Przemysł fermentacyjny 6 no.5:126-128 My '62.

1. Katedra Technologii, Wyższa Szkoła Ekonomiczna, Wrocław.

25(2)

PHASE I BOOK EXPLOITATION

SOV/1636

Novyye mashiny; sbornik statey o novykh mashinakh, motorakh, apparatakh sozdannykh na Khar'kovskikh predpriyatiyakh v period 1956-1958 gg. (New Machines; Collection of Articles on New Machines, Motors, and Apparatus Made in Khar'kov Plants From 1956 to 1958) /Khar'kov/ Khar'kovskoye oblastnoye izd-vo, 1958. 226 p. 4,000 copies printed.

Compiler: P.I. Zmaga; Scientific Eds.: V.A. Bulgakov (Chief Engineer, Khar'kov Electromechanical Plant), S.A. Vorob'yev (Candidate of Technical Sciences, Docent), L.A. Shubenko-Shubin (Chief Machine Designer, Khar'kov Turbine Plant, and Corresponding Member, Ukrainian SSR Academy of Sciences); Ed.: Ya.Ye. Donskoy; Tech. Ed.: M.G. Shevchenko.

PURPOSE: This collection of articles is to acquaint the reader with the latest developments and attainments of the Khar'kov machinery manufacturing industry during the 1956-58 period.

Card 1/6

New Machines; Collection of Articles (Cont.)

SOV/1636

COVERAGE: The book, prepared in the form of a descriptive catalog, presents the latest information on machinery and equipment manufactured by Khar'kov plants from 1956-58. A detailed description is given of the following machines and equipment: steam turbines, tractors, self-propelled chassis, diesel engines, diesel locomotives, machine tools including unit metal-cutting machine tools, conveyors, road building machinery, electric power generators, and electrical and electronic instruments. Numerous photographs of the above-listed machinery and equipment are included in the text. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Foreword

3

Zmaga, P.I., Director of the Machinery Manufacturing Division of the Khar'kov oblast' Committee of the Ukrainian Communist Party. On the Path to Further Technological Progress

5

Yaksnin, A.I., Vice Chairman of the Sovnarkhoz of the Khar'kov Economic Administrative Region. New Technology as a Powerful Lever for the Growth of Labor Productivity

15

Card 2/6

New Machines; Collection of Articles (Cont.)

80V/1636

MACHINES AND MACHINE TOOLS

Shubenko-Shubin, L.A., Chief Designer at the Khar'kov Turbine Plant imeni Kirov, Corresponding Member of the Academy of Sciences of the UkrSSR. New Powerful Steam Turbines Manufactured by the Khar'kov Turbine Plant imeni Kirov	25
Kashuba, B.P., Chief Designer of the Khar'kov Tractor Plant imeni Ordzhonikidze. Contribution of the Khar'kov Tractor Plant to Socialist Agriculture	42
Medvedev, I.N., Director of the Khar'kov Tractor Assembly Plant. Self-propelled Chassis	52
Kirnar'skiy, A.A., Chief Designer of the Khar'kov Plant for Transport Machinery imeni Malyshev. New Types of Internal Combustion Locomotives	64

Card 3/6

New Machines; Collection of Articles (Cont.)	SOV/1636
Koval', I.A., Chief Designer at the "Serp i molot" Plant. Standardized Diesel SMD	86
Stepunin, I.M., Director of the Khar'kov Machine-tool Manufacturing Plant. New Improved Machine Tools	98
Ryabko, Kh.G., Director of the Khar'kov Small Unit Machine Tool Plant, and S.Ye. Shvartsman, Assistant to the Chief Designer. Small Unit Machine Tools	107
Grishin, N.G., Chief Engineer at the "Svetshakhtera" Plant. Mobile and Flexible Scraping Conveyor KsP-1	120
Trinchenko, P.S., Director of the "Krasnyy Oktyabr'" Machinery Manufacturing Plant. Highly Productive Machines for the Construction Materials Industry	127
Pogorelov, F.P., Director of a Plant for Construction Machinery. [Equipment] for the Construction Industry	135
Logvinov, S.I., Director of the Plant for Road-building Machinery. Manufacture of Road-building Machinery in Khar'kov	145
Card 4/6	

New Machines; Collection of Articles (Cont.)

SOV/1636

Zavorotniy, I.P., Chief Designer of the Khar'kov Plant for
Hoisting and Transport Equipment imeni Lenin. Equipment
for the Mechanization of Heavy and Labor-consuming Jobs

154

ELECTRICAL MACHINES AND APPARATUS

Borushko, V.S., Chief Engineer of the Khar'kov Plant for
Diesel Locomotive Electrical Equipment. For a New
Technology!

161

Fomenko, S.A., Director of the Khar'kov Electrical Engineering
Plant. Basic Problems in Development of Electrical Machinery
and Instrument Manufacture at the KhEMZ (Khar'kovskiy elektro-
mekhanicheskiy zavod -- Khar'kov Electromechanical Plant)

175

Gladkikh, A.I., Director of the Khar'kov Electrical Engineering
Plant. Let Us Increase the Output of Electric Motors and
Electrical Instruments

187

Card 5/6

New Machines; Collection of Articles (Cont.)	SOV/1636	
Budyakov, A.A., Director of the Khar'kov Electrical Instruments Plant, and A.Ye. Glagovskiy, Head of the Central Plant Laboratory. Quick-response Automatic [Devices]		199
Khopov, P.M., Director of the Khar'kov Plant "Elektrostanok". New Products Manufactured by the "Elektrostanok" Plant		205
Didenko, K.I., Chief Designer of the Plant. Measuring and Controlling Devices Manufactured by the Plant for Control and Measuring Instruments		212
Kucherov, P.M., Director of the Khar'kov Plant for Heating and Ventilating Equipment. Air Conditioners		221
AVAILABLE: Library of Congress		

Card 6/6

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6-26-59

ZMAGA, P.I., inzh., red.; VOROB'YEV, S.A., kand.tekhn.nauk, red.; KUZUBOV, V.I., inzh., red.; LEONOV, A.Ye., dotsent, red.; MALTSHE, Yu.I., inzh., red.; PUSTOVALOV, V.I., inzh., red.; SAVCHENKOV, V.A., kand.tekhn.nauk, red.; KHMARA, S.M., kand.tekhn.nauk, red.; DONSKOY, Ya.Ye., red.; LYALYUK, I.P., red.; SHEVCHENKO, M.G., tekhn.red.

[Advanced technology; collection of articles on the introduction of advanced technology in machinery plants of Kharkov] Progressivnaia tekhnologiya; sbornik statei ob opyte vnedreniia progressivnoi tekhnologii na khar'kovskikh mashinostroitel'nykh zavodakh. Khar'kov, Khar'kovskoe knizhnoe izd-vo, 1959. 297 p. (MIRA 13:1)

1. Politekhnichestkiy institut imeni Lenina (for Khmara).
(Kharkov--Machinery industry--Technological innovations)

ZMAGA, P.I., inzh., red.; VOROB'YEV, S.A., kand.tekhn.nauk, red.;
KARLOV, A.A., inzh., red.; KUZUBOV, V.I., inzh., red.;
LEONOV, A.Ye., dotsent, red.; TUPITSYN, A.I., kand.tekhn.nauk,
red.; KHMARA, S.M., kand.tekhn.nauk, red.; DONSKOV, Ya.Ye.,
red.; KARDASH, G.I., red.; LYALYUE, I.P., red.; LIMANOVA, M.I.,
tekhn.red.

[Mechanization and automation; collected articles on the
introduction of mechanization and automation at machinery plants
in Kharkov] Mekhanizatsiia i avtomatizatsiia; sbornik statei
ob opyte vnedreniia mekhanizatsii i avtomatizatsii na Khar'kovskikh
mashinostroitel'nykh zavodakh. Khar'kov, Khar'kovskoe knizhnoe
izd-vo, 1960. 373 p. (MIRA 14:4)
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red.

[For the further development of industry] Za dal'neishее raz-
vitiе promyshlennosti; iz opyta Khar'kovskogo administrativno-
go ekonomicheskogo raiona. Khar'kov, Khar'kovskoe knizhnoe
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Mr '60.

1. Opća Bolnica u Susaku, Uroloski odjel.
(BLADDER dis.)

ZMANOVSKIKH, L.K., otv. red.; BARANOVA, V.B., otv. za vypusk;
RASINA, T.V., tekhn. red.

[The economy of Irkutsk Province; statistical abstract]
Narodnoe khoziaistvo Irkutskoi oblasti; statisticheskii
sbornik. Irkutsk, Gosstatizdat, 1962. 261 p.

(MIRA 16:6)

1. Irkutsk (Province) Oblastnoye statisticheskoye upravleniye.
(Irkutsk Province--Statistics)

ZMANOVSKIY, V.A.

Experimental study of the parameters of the noise of mechanisms.
Nauch. trudy SibVIM no.1868-83 '63. (MIRA 17:8)

L 02330-67 EWT(1)/T RO/JK

ACC NR: AR6022385

(//)

SOURCE CODE: UR/0397/65/000/024/0052/0052

AUTHOR: Bulatov, P. K.; Zlydnikov, D. M.; Fedoseyev, G. B.;
Khan-Fimina, V. A.; Saraveva, A. N.

26
25
B

TITLE: Treatment of patients with various inflammatory diseases of the respiratory organs with garlic phytoncides

SOURCE: Ref. zh. Farmakologiya. Toksikologiya, Abs. 24.54.401

REF SOURCE: Sb. Morfol., fiziol. i patol. organov, dykheniya. L. 1965, 25-28

TOPIC TAGS: respiratory system disease, microorganism contamination, pharmacognosy, therapeutics, phytoncides

ABSTRACT: The effect of volatile fractions and tissue juice of garlic on microorganisms (white, golden and lemon-yellow staphylococcus, hemolytic streptococcus, secondary type of pneumococcus, enteric bacteria, proteus, blue pus rods, and yeastlike fungi of the Candida type) frequently found in the sputum in lung diseases was investigated in vitro. An emulsion 0.1 ml of a 24 hr culture (500 million microbial bodies in 1 ml of physiological solution) was placed on the surface of a solid nutritive medium in 3 cups. 1 g of ground garlic was introduced

Card 1/2

UDC: 615.32

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into the first cup and 0.1 ml of garlic tissue juice was introduced into the second cup; the third cup served as a control. The bactericidal action of the garlic preparations in relation to all microorganisms was established by the presence of a sterile zone. Bactericidal action was not reduced with the addition of euspiran (3 drops/1 ml) to garlic tissue juice. 122 patients with acute pneumonia, aggravated chronic pneumonia, and chronic bronchitis were treated with inhalations of garlic tissue juice diluted in a physiological solution or a 0.25% novocaine solution (1:3). The course of treatments was 8 to 40 inhalations. A good or favorable effect was found in 106 patients (86.7%). The addition of antibiotics or sulphamides to the garlic tissue juice did not influence the therapeutic effect. Garlic inhalations by 34 chronic pneumonia patients with Candida infection of the lung complications produced a positive clinical effect in 26 patients (76.5%); decrease or disappearance of Candida fungus cells in the sputum was noted in 16 patients (47%). A. Gladkikh. /Translation of abstract/.

SUB CODE: 06

Card 2/2

SHISHKOVA, V.N., kand.med.nauk, ZMANOVSKIY, Yu.F.

Vascular reactions in intracranial trauma in newborn infants
[with summary in English]. Akush. i gin. 34 no.4:53-57 J1-Ag '58
(MERA 11:9)

1. Iz fiziologicheskoy laboratorii (zav. - prof. A.O. Dolin)
i otdeleniya novorozhdennykh (zav. G.I. Smirnov) Nauchno-issledovatel'
skogo instituta akusherstva i ginekologii (dir. - dots. L.G. Stepanov)
Ministerstva zdavookhraneniya RSFSR:

(BIRTH INJURIES, physiol.

brain inj., photoplethysmography (Rus))

(PLETHYSMOGRAPHY,

in birth brain inj. (Rus))

ZMANOVSKIY, Yu.F.; SHISHKOVA, V.N.

Lability of vascular reactions as an index of the profundity of the pathological condition in intracranial injury of the newborn. Vop.okh.mat.1 det. 5 no.4:59-64 JI-Ag '60.

1. Iz Instituta akusherstva i ginekologii Ministerstva zdoravookhraneniya RSFSR (dir. L.G. Stepanov). (MIRA 13:7)
(BRAIN--WOUNDS AND INJURIES) (REFLEXES)

ZMANOVSKIY, Yu.F.

The effect of psychoprophylactic preparation on the dynamics of
the nervous processes in pregnancy. Akush. i gina. 36 no. 5:19-23
S-0 '60. (MIRA 13:11)

1. Iz fiziologicheskoy laboratorii (zav. - prof. A.O. Dolin)
Nauchno-issledovatel'skogo instituta akusherstva i ginekologii
(dir. L.G. Stepanov) Ministerstva zdruvookhraneniya SSSR.
(CHILD BIRTH—PSYCHOLOGY)

KELLAT, G.A.; ZMANOVSKIY, Yu.F.

Changes in the reactivity of the vessels during the treatment of
climateric disorders by cervicofacial ionogalvanization. Akush.
1 gin. 36 no.4:88-93 JI-Ag '60. (MIRA 13:12)
(CLIMATERIC) (ELECTROPHORESIS) (BLOOD VESSELS)

SHISHKOVA, V.N.; ZMANOVSKIY, Yu.F.; LITVINOVA, T.I.

Psychoprophylactic preparation of parturients. Vop. okh. nat. i
det. 6 no.10:64-66 0 '61. (MIRA 14:11)

1. Iz Nauchno-issledovatel'skogo instituta akusherstva i ginekologii
Ministerstva zdravookhrananiya RSFSR (dir. - prof. O.V.Makeyeva).
(CHILDBIRTH-PSYCHOLOGY)

ZMANOVSKIY, Yu.F.

Utilization in foreign countries of the experience of Soviet physicians in the psychoprophylactic preparation of pregnant women for labor. Sov.med. 26 no.7:74-80 J1 '62. (MIRA 15:11)

1. Iz fiziologicheskoy laboratorii (zav. - prof. A.O.Dolin)
Instituta akusherstva i ginekologii (dir. - prof. O.V.Makeyeva)
Ministerstva zdravookhraneniya RSFSR.
(CHILDBIRTH---PSYCHOLOGY)

CHENOVSKIY, Yu.F.; SHISHKOVA, V.N.

Features of higher nervous activity in incomplete pregnancy.
Akush. i gin. no.1:67-72 '63. (MIRA 17:6)

1. Iz fiziologicheskoy laboratorii (zav. -- prof. A.G. Dolin)
Instituta akusherstva i ginekologii (dir. -- prof. O.V. Makeyeva)
Ministerstva zdravookhraneniya RSFSR.

VIKHLIAYEVA, Ye.M.; ZMAKOVSKIY, Yu.F.

Characteristics of the effect of sex steroid hormones on systemic motor conditioned reflexes in patients with climacteric syndrome. Akush. i gin. no.2:59-65'63. (MIRA 16:10)

1. Iz fiziologicheskoy laboratorii (zav. - prof. A.O.Dolin) Nauchno- issledovatel'skogo instituta akusherstva i ginekologii Ministerstva zdravookhraneniya RSFSR (dir. - prof. O.V. Makeyeva) i kafedry akusherstva i ginekologii I Moskovskogo ordena Lenina meditsinskogo instituta (zav. - prof. K.N. Zhmakin).

(CLIMACTERIC) (HORMONES, SEX) (CONDITIONED RESPONSE)

KELLAT, G.A.; ZMANOVSKIY, Yu.F.

Dynamics of disorders of higher nervous activity in patients with a climacteric neurosis and its changes under the influence of cervicofacial ionogalvanization. Zhur. nevr. i psikh. (MIRA 15:6)
62 no.2:248-251 '62.

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii (dir. - prof. O.V. Makeyeva) Ministerstva zdravookhraneniya RSFSR, Moskva.
(NERVOUS SYSTEM) (CLIMACTERIC)
(NEUROSES) (ELECTROPHORESIS)

IVANOV, I.P., kand.med.nauk; ZMANOVSKIY, Yu.F.; AISENOVA, Z.P.

Reactivity characteristics of the vascular system in women during normal pregnancy and late toxicoses of pregnancy.
(MIRA 16:9)
Sov.Med. 27 no.7:68-73'Jl'63.

1. Iz otdela patologii beremennosti (zav. - doktor med.nauk Ye.P. Romanova) i fiziologicheskoy laboratorii (zav. - prof. A.O.Dolin) Nauchno-issledovatel'skogo instituta akusherstva i ginekologii (dir. - prof. O.V.Makeyeva) Ministerstva zdorovookhraneniya RSFSR.

(PREGNANCY, COMPLICATIONS OF) (BLOOD VESSELS)
(TOXEMIA)

DOLIN, A.O. (Moskva); FARBER, D.A. (Moskva); ZMANOVSKIY, Yu.F. (Moskva)

Determination of the lability of nervous processes based on the
reaction of assimilating the rhythm of light flickering. Zhur.
vys. nerv. deiat. 15 no.2:381-392 Mr-Ap '65.

(MIRA 16:5)

VIKHLIYAYEVA, Ye.M., doktor med. nauk, ZMANOVSKIY, Yu.F., kand. med. nauk

Use of tranquilizers in treating the climacteric syndrome.
Akush. i gin. no.1:95-101. '65. (MIRA 18:10)

1. Kafedra akusherstva i ginekologii I Moskovskogo meditsinskogo
instituta imeni Sechenova (zav.- prof. K.N. Zbmakin) i Nauchno-
issledovatel'skiy institut akusherstva i ginekologii Ministerstva
zdravookhraneniya SSSR (dir.- prof. O.V. Makayeva).

POLAND / Farm Animals. The Honeybee. Q

Abs Jour: Ref Zhur-Biol., No 5, 1959, 21328.

Author : Bojarczuk, Czeslaw; Zmarlicki, Cyprian.

Inst : Not given.

Title : The Work of the Experimental Station of Apiculture
at Gorna Niwa in 1957.

Orig Pub: Pszczelarstvo, 1958, 9, No 3, 66-68.

Abstract: A new perspective strain 13 K has been bred. In experiments lasting 2 years and investigating the degree of the colonies' wax productivity after the main honey collection, it was established that stretching of honeycombs accompanied by simultaneous supplementary feeding with syrup does not have an effect upon the colony's condition. On low frames the bees built their honeycombs up to the lower planks, on high frames only up to 3/4 of their

Card 1/2

POLAND / Farm Animals. The Honeybee. Q

Abs Jour: Ref Zhur-Biol., No 5, 1959, 21328.

Abstract: height. When two methods of multiplying bees are compared (early successive intervals and intervals after collection), the difference between them in terms of honey production is not significant, but with the former method the risk of swarming is greater. In colonies with a small number of drones (about 1000), their sexual activity was 5 times greater than in colonies with a large number of drones (about 3000). — V. A. Kanzyuba.

Card 2/2

90

DLUZEWSKI, Mieczyslaw; PIJANOWSKI, Eugeniusz; ZMARLICKI, Stanislaw

Studies on the increasing of the nutritional value of full milk cottage cheese by *Cospora lactis*. *Rocz tech chem zywn* 8:127-142 '61.

1. Chair of Food and Agricultural Industries, Central College of Agriculture, Warsaw.

ZMATLIK, Josef

J. of Am. Cu. Soc.
I Feb 1954

PATENTS

✓ Device for drawing an artificial fiber from the spinneret, especially fibers spun from the molten mass. Josef ZMATLIK, MICHAEL HEHR, BENJAMIN PILLER, AND JAS. PRINCEVALENTI

(11)

ZMATLIK, I. s. inzh.

Economic advantages of the utilization of the new machinery.
Tekst.prom. 21 no.3:71-74 Mr '61. (MIRA 14:3)
(Czechoslovakia--Textile industry)

KRCILKOVA,M,; VINTERA,J.; PAVLATOVA,M.; ZMATLIKOVA,M.

Experiences in the therapy of rheumatic fever in 299 children
with salicylates and combined therapy (salicylates and hormones).
Cesk. pediat.18 no.11:1037-1042 N°63.

1. Laborator pro detskou pneumologii fakulty všeobecného lékař-
ství KU v Praze; vedoucí: prof.dr. F.Blazek.

*

CZECHOSLOVAKIA

UDC 616.12-007.1-073.97

VINTERA, J.; KRCILKOVA, M.; ZMATLIKOVA, M.: Institute of Clinical and Experimental Surgery (Ustav Klinicke a Experimentalni Chirurgie), Prague, Director (Reditel) Prof Dr B. SPACEK; Laboratory for Pediatric Pneumology, Faculty of General Medicine, Charles University (Laborator pro Detskou Pneumologii Fak. Vseob. Lek. KU), Prague, Head (Vedouci) Prof Dr F. BLAZEK.

"Vectorcardiogram in Some Inborn Heart Defects."

Prague, Casopis Lekaru Ceskych, Vol 105, No 46, 18 Nov 66, pp 1257 - 1261

Abstract [Authors' English summary modified]: The authors describe vectorcardiographic tracings in patent ductus arteriosus of the atrial septum, defects of the ventricular septum, and Fallot's tetralogy. A quantitative method of evaluating the cardiograms is described; the values of electromotor forces in individual octants are expressed by means of segmental vectors. The method is used to assess very discrete shifts of the loop space shortly after an operation. It is possible to differentiate between defects of ventricular and atrial septum by correct interpretation of the graphs. 20 Figures, 17 Western, 4

KULINTSOV, F.S.; ZMAZHENKO, M.F.

Agronomist as a master of the field. Zemledelie 26 no.7:81-85 J1 '64.
(MIRA 18:7)

1. Direktor oporno-pokazatel'nogo sovkhosa "Kapal'skiy" Taldy-Kurganskogo proizvodstvennogo upravleniya, Alma-Atinskoy oblasti (for Kulintsov).
2. Glavnyy agronom oporno-pokazatel'nogo sovkhosa "Kapal'skiy" Taldy-Kurganskogo proizvodstvennogo upravleniya Alma-Atinskoy oblasti (for Zmazhenko).

Mass spectrometric detection of free radical radicals in
 methane subjected to electric discharge. Natalija N.
 Djuricic and Kiro P. Zimov (Inst. Nuclear Sci., Belgrade,
 11001, Belgrade, Yugoslavia). *Nucl. Sci. Tech.* 1984,
 Vol. 12, Belgrade, 9, 105-110. CH₄ was subjected to
 a high-frequency electrodeless discharge in the fast flow
 system of a mass spectrometer, and the mass ratio 16/10
 was observed. It was shown that the increase in this ratio
 is due to the formation of C₂H₂ radical. Alfred J. J. J. J.

4E3d

2m

7

Q. J. J.

ZMBOV, Kiro F.
SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Department of Physical Chemistry, Institute of Nuclear
Sciences "Boris Kidrich"

Source: Belgrade-Vintcha, Bulletin of the Institute of Nuclear Sciences
"Boris Kidrich", Vol 11, Mar 1961, pp 141-144.

Data: "Mass Spectrometric Determination of the Self-Diffusion Coefficient
of Boron Trifluoride."

Co-author:

KNEZEVIC, Zivojin V., Department of Physical Chemistry, Institute of
Nuclear Sciences "Boris Kidrich".

ZMEOV, Kiro F.

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Department of Physical Chemistry, Institute of Nuclear
Sciences "Boris Kidrich"

Source: Belgrade-Vintcha, Bulletin of the Institute of Nuclear Sciences
"Boris Kidrich", Vol 11, Mar 1961, pp 145-153.

Data: "Note on the Mass Spectra and Structure of the Alkoxydifluoroboranes."

Co-author:

RIBNIKAR, Slobodan V., Department of Physical Chemistry, Institute
of Nuclear Sciences "Boris Kidrich".

ZMBOV, K.F.

Effect of Freon 12 on uranium thermal ionization in tungsten.
Bul Inst Nucl 13 no.2:17-18 J1 '62.

1. The Boris Kidrich Institute of Nuclear Sciences, Department
of Physical Chemistry, Vinca.

ZMBOV, Kiro, dipl. fiz. hem., asistent (Beograd, Mihajla Gavrilovica 31/IV)

Mass spectrometric isotopic analysis of uranium. Tehnika. Jug 18
no.5:Suppl.:Radioizotopi zrac 2 no.5:810-818 My '63.

1. Institut za nuklearne nauke "Boris Kidric", Beograd. Vinca.

OPAUZKY, I.; ZMBOV, K.F.

The use of graphite-coated tungsten filaments for isotopic analysis of uranium by a mass spectrometer. Bul Inst Nucl 14 no.1:17-20 Ja '63.

1. Department of Physical Chemistry of the Boris Kidric Institute of Nuclear Sciences. 2. Permanent address: Central Research Institute of Physics, Budapest, Hungary (for Opauszky).

SOURCE CODE: 05/0070/01/001/001/002/0030

AUTHOR: Zmhov, K. P.

ORG: Boris Kidrich Institute for Nuclear Science, Belgrade, Yugoslavia

TITLE: Isotopic analysis of sulfur by solid source mass spectrometry

SOURCE: Isotopenpraxis, v. 1, no. 1, 1965, 29-30

TOPIC TAGS: mass spectrometry, chemical decomposition, isotope, sulfur compound

ABSTRACT: The production of sulfur dioxide by catalytic decomposition of the sulfates in the ion source with subsequent ionization of sulfur dioxide molecules by electron impact was found to be the most suitable and convenient method for the isotopic analysis of sulfur. The instruments and techniques involved in the analysis were described, and experiments involving the determination of S-32/S-34 ratios both on SO₂⁺ and SO⁺ ion peaks were discussed. Generally, measurements based on the SO⁺ peaks were more reliable and reproducible. Orig. art. has 1 figure and 1 table. [Orig. art. in Eng.] [JPRS: 33,733]

SUB CODE: 07, 18 / SUBM DATE: 01Jul65 / SOV REF: 001 / OTH REF: 002

Card 1/1 *MT*

ZMECHEROVSKAYA, G. A.

36980. Kolichestvennyy Metod v Serodiagnostike Sifilisa. Uchen. Zapiski
(L'vovsk. Nauch.-issled. Kosmno-venerol. In-t), t. II, 1949, c. 25-28

SO: Letopis' Zhurnal'nykh Statey, Vol 50, Moskva, 1949

ZMECHOROVSKAYA, G.A.

Slide microtest for syphilis using TskVI universal antigen. Vest.
ven. i derm. no. 4:49-51 JI-Ag '54. (MIRA 7:8)

1. Iz L'vovskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo
instituta (dir. V.F.Podusovskiy, nauchnyy rukovoditel' A.A.Shteyn)
(SYPHILIS, diagnosis,
*serol., universal antigen)

ZMECHOROVSKAYA, G.A.

Cardiolipin antigen in serodiagnosis of syphilis. Lab. delo
3 no.1:30-32 Ja-F '57 (MIRA 10:4)

1. Iz L'vovskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo
instituta (dir.-kandidat meditsinskikh nauk V.F. Podusovskiy)
(ANTIGENS AND ANTIBODIES) (SYPHILIS--DIAGNOSIS)

USSR/Microbiology - Microbiology Pathogenic to Humans and Animals.

F-4

Abs Jour : Ref Zhur - Biol., No 12, 1958, 52879

Author : Znechorovskaya, G.A.

Inst : -

Title : Cardiolipin Antigen in Serodiagnosis of Syphilis.

Orig Pub : Labor. delo, 1957, No 1, 30-32.

Abstract : The cardiolipin antigen was tested by the Wasserman reaction along with 2 generally accepted antigens on 3423 sera, among them 336 syphilis patients. Complete agreement was obtained in 92.7% of the cases, while positive results on patients with different forms of syphilis were 1.8% greater with cardiolipin antigen. On 4 patients with retarded congenital syphilis the reaction with cardiolipin antigen was positive in all cases; with ordinary antigens, only in 3 cases. In latent syphilis, of 324 reactions, 152 positive ones were with cardiolipin antigen, and 148 with the

Card 1/2

- 49 -