ZEMANEK, Jiri, inz., ScC.

Method of herbicide effectiveness testing on agar soils.
Rost vyroba 9 no.6:621-632 Je '63.

1. Ustredni vyzkumny ustav rostlinne vyroby, oddeleni ochrany rostlin, Ruzyne.

ZEMANEK, Nandor

A new FM 10-160 type ultrashort-wave radio transmitter and receiver. Hir techn 15 no.10:306-308 O '64.

1. Budapest Radio Engineering Factory.

ZEMANEK, R.

ZEMANEK, R. Development of the manufacture of building and road machinery in Czechoslovakia. p. 440.

Vol. 5, No. 10, Oct. 1955
ZA SOCIALISTICKOU VEDU A TECHNIKU
TECHNOLOGY
Praha, Czechoslovakia

So: East Europeon Accessions, Vol. 5, No. 5, May 1956

FELLEGI, Ya. [Fellegi, J.]; YANCHI, Ya. [Janci, J.]; KUHELKA, V.; ZEMANEK, R.

Woodpulp production from small timber. Bum.prom. 37 no.11:13-15 N '62. (MIRA 15:12)

1. Bratislavskiy issledovatel'skiy institut bumagi i tsellyulozy, Chekhoslovatskaya Sotsialisticheskaya Respublika.

(Czechoslovakia—Woodpulp industry)

SAXL, O.; SKOUPA, M.; ZEMANEK, R.

Roentgenological findings in Schonlein-Henoch syndrome. Cesk. rentgen. 17 no.4:246-249 Jl '63.

1. Vnitrni oddeleni detske fakultni nemocnice v Brne-Cernych Polich vedouci doc. dr. O. Saxl. Rentgenologicke oddeleni detske fakultni nemocnice v Brne-Cernych Polich, vedouci dr. R. Zemanek.

(PURPURA) (INFANT, NEWBORN, DISEASES)
(ABDOMEN, ACUTE) (DIAGNOSIS, DIFFERENTIAL)

KOURILOVA,M.; ZEMANEK,R.

Eosinophilic granuloma of the temporal bone. Cesk. otolar. 9 no.3:157-161 Je '60.

1. Kratska detska nemocnice u Brne-Cernych Polich usni, krcni a nosni oddeleni, prednosta dr. M. Kucera,ustredni rentgenologicke oddeleni,prednosta dr. R. Zemanek.
(EOSINOPHILIC GRANULOMA case reports)
(TEMPORAL BONE dis.)

ZEMANEK, R.

Roentgenographic department in a pediatric hospital. Lek. listy, Brno 8 no.10:238 15 May 1953. (CLML 24:5)

1. Of the Central Roentgenological Department of Cerne Pole Pediatric Hospital in Brno.

KUCERA, Miroslav, MUDr.; ZEMANEK, Richard, MUDr.

Recurrence of adenoid vegetation. Cas. lek. cesk. 91 no.4: 112-114 25 Jan 52.

1. Z usniho, nosniho a krcniho oddeleni st. oblastni detske nemocnice v Brne. Primar MUDr Miroslav Kucera. Z roentgenologickeho oddeleni st. oblastni detske nemocnice v Brne. Primar MUDr. Richard Zemanek.

(NASOPHARYNX, diseases
adenoid vegetation, recur. after adenoidectomy, radiother.)

KUCERA, Miroslav, MUDr; ZEMANEK, Richard, MUDr

Liquorrhea of the cerebrospinal fluid following paracentesis.
Lek. listy, Brno 9 no.22:510-512 15 Nov 54.

1. Usni, nosni a krcni oddeleni Krajske detske nemocnice v Brne. Primar MUDr Miroslav Kucera (for Kucera) 2. Rentgenologicke oddeleni Krajske detske nemocnice v Brne. Primar MUDr Richard Zemanek (for Zemanek)

(CEREBROSPINAL FLUID,
otorrhea after tympanic paracentesis in inf.)
(EAR, MIDDLE, surgery,
paracentesis causing otorrhea in inf.)
(PUNCTURES,
tympanic paracentesis causing otorrhea in inf.)

CZECHOSLOVAKIA

ZEMANEK, V.

Prague, Vestnik ustredniho ustavu geologickeho, No 4, 1963, pp 269-272

"A Contribution to the Knowledge of the Hydrogeology of the Peninsula of Kaloum."

ZEMAN, S.

Discussion of J. Zacek's article on the development of connection diagrams for industrial drives. p.383

ELETROTECHNICKY OBZOR. (Ministerstvo tezkeho strojirenstvi a Ceskoslovenske vedecka technicka spolecnost pro eletrotechniju pri Ceskoslovenske adaemii ved) Praha, Cezecholovakia
Vol.48, no.7, July 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11
Nov. 1959
Uncl.

ZEMANEK, Jaroslav, inz.

Some use of pressure welding in electrical engineering.
Elektrotechnik 19 no.1:2-6 Ja'64.

1. Moravskoslezske elektrotechnicke zavody Postrelmov, n.p., Postrelmov.

ZEMANEK, Jiri, inz. CSc.; BARTOS, Pavel, inz. CSc.

Anaerobic treatment for loose smut of wheat (Ustilago tritici [Pers.] Jens.). Rost vyroba 10 no. 4:371-382 Ap '64.

1. Central Research Institute of Plant Production, Ruzyne.

SAXL, O.; ZEMANEK, R.

Agenesis of the lungs in children. Cesk. rentgenol. 15 no.4:256-259 '61.

1. Krajska detska nemocnice v Brne - Cernych Polich, vnitrni oddeleni, prednosta docent dr. O. Saxl, rentgenologicke oddeleni, prednosta dr. R. Zemanek.
(LUNG abnorm.)

SAXL, O.; ZEMANEK, R.; FABIAN, P.

Congenital diffuse bone sclerosis in children. Cesk. pediat. 17 no.1: 49-51 Ja '62.

1. Fakultni detska nemocnice v Brne, int. oddeleni, prednosta doc. dr. O. Saxl Fakultni detska nemocnice v Brne, rtg-oddeleni, prednosta dr. R. Zemanek Detske oddeleni KUNZ v B. Bystrici, prednosta dr. P. Fabian.

(OSTEOPOROSIS in inf & child)

ZEMANEK, R.

Building machinery at the Leipzig Sample Fair. (Supplement) p. 78.

INZENYRSKE, STAVBY. (Ministerstvo stavebnictvi) Praha, Czechoslovakia.
Vol. 7, no. 7, July 1959

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959
Uncl.

SAXL, Otto;ZEMANEK, Richard

Congenital stenosis of the small intestine in a newborn infant. Cas. rentg. 13 no.5:357-359 O '59

1. Krajska detska nemocnice v Brne. Cerna Pole, vnitrni oddeleni, prednosta doc. dr. Otto Saxl. Rentgenologicke oddeleni, prednosta prim. dr. Richard Zemanek.
(INTESTINAL OBSTRUCTION in inf. & child)

ZEMANEK, V.

A comprehensive survey of the world supply and production of manganese ores.
p. 11.

(Central Geologic Institute - Czechoslovak Academy of Science) Vol. 32, No. 5, 1957

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 5 May 1958

COUNTRY : Czechoslovakia D
CATEGORY :

ABS. JOUR. : RZKhim., No. 1959, No. 85783

AUTHOR : Zemanek, V.
INST. : Central Institute of Geology
TITLE : Skarns in the Vicinity of Prisecnice and Medence.

SOURCE PUB. : Sb. Ustredn. ustavu geol. Odd. geol., 1957 (1959), 24, No 2, 241-312
ABSTRACT : On the basis of data relative to new artificial outcrops, the following are considered: mechanism of the process of skarn-formation, basic regularities of chemism, and economic importance. -- G. Vorob'yev.

CARD:

48

ZEMANEK, V.

GEOGRAPHY & GEOLOGY

Periodicals: CASOPIS PRO MINERALOGII A GEOLOGII Vol. 3, no. 2, 1958

ZEMANEK, V. The coarse-grained biotitic orthogneiss and the metamorphic rocks in its vicinity around the "Sphinx," south of Medenec. p. 159.

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

ZEMANEK, V.

GEOGRAPHY & GEOLOGY

Periodicals: CASOPIS PRO MINERALOGII A GEOLOGII Vol. 3½ no. 2, 1958

ZEMANEK, V. The skarn of the Prisecnice-Medenec Zone; Medeny pahorek- Mednik near Medenec. P. 159

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

ZEMANEK, Viktor

Survey of geology and mineral resources of Sierra Leone.
Vest Ust geol 39 no.3:219-224 My '64.

1. Institute of Applied Geophysics, Prague.

ZEMANEK, V.

GEOGRAPHY & GEOLOGY

Periodicals: CASOPIS PRO MINERALOGII A GEOLOGII Vol. 3, no. 2, 1958

ZEMANEK, V. The dolomite quarry at Vykmanov. p. 161.

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

ZEMANEK, V. ; POKORNY, L.

"Methods for discovering blind ore elements in the magnetic ore stone in skarns."

p. 358 (Central Geologic Institute, Czechoslovak Academy of Sciencss) Vol. 32, no. 5, 1957

SO: Monthly Index of East European Accession (EEAI) LC, Vol. no. 5, May 1958

ZEMANEK, Viktor

Contribution to information on the hydrogeology of the Kaloum peninsula, Guinea, West Africa. Vest Ust geol 38 no.4:269-272 Je '63.

1. Ustav uzite geofyziky, Praha.

ZEMANEK, W.

Problems of hygiene and industrial safety in the departments of health. p.15
(OCHRONA PRACY; BEZPIECZENSTWO I HIGIENA PRACY, Vol. 12, No. 6, June 1957, Warsaw, Poland)

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

ZEMANEK, W. Dr.

Work of the rural health center at Rudzica (dist.Bielsko-Biala) in 1953. Zdrowie Pub.,Warsz. no.3:199-208 May-June '55.

1. Kierownik Osrodka Zdrowia w Rudzicy.
(PUBLIC HEALTH
in Poland, rural health center activity)

P. I. A. ZEMANEK, W. Chemistry & Chemical Technology

550

613.63 : 614.898

Zemanek W. Cases of Poisoning at Work in a Chemical Factory during the Years 1915—1950.

„Zatrucia zawodowe w fabryce chemicznej w latach 1915—1950". Bezpieczeństwo i Higiena Pracy. No. 7—8, 1950, pp. 15—16

A number of cases of gas-poisoning in a certain chemical factory during the years 1915 — 1950 are detailed by the author of the article. He deals with poisoning by the following substances: liquid nicotine, trichlorethylene, cyanidehydrogen, lead, tetrachbroethylene, gas chlorine, oxide of nitrogen, Paris-green and benzol. In the past, cases of poisoning occured comparatively frequently. As the level of work hygiene increased, they became less frequent. The present co-efficient of cases of poisoning can be regarded as being somewhat low. The author quotes certain conditions which have ensured success to the campaign against poisoning in chemical factories.

ZEMANEK, Wladyslaw, dr med

Some remarks on causes of sickness absences. Praca zabezp spol 6 no.12:7-12 D '64.

ZEMANEK, Wladyslaw

Organization of an inter-plant ambulatory clinic. Pol. tyg. lek. 17 no.49:1903-1906 3 D '62.

(INDUSTRIAL MEDICINE)

POLAND

ZEMANEK, Wladyslaw [Affiliation not given]

"Organization of the Polyclinical Out-Patient Departments in the Factories."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 49, 3 Dec 62, pp 1903-1906.

Abstract: [Author's English summary] Attention is drawn to the difficulties experienced by physicians in their work in the out-patients departments in the factories. The methods of organization are discussed. All 12 references are Polish.

1/1

ZEMANEK, WL.

(6)

Warsaw, Sluzba Zdrowia, Vol XIV, No 19(663), 6 May 1962.

18. ''1200 Times Around the Equator,'' T. Dolzkiewicz; p. 4.
19. ''Quotations from Renaissance Thinkers,'' R.W. Gutt, MD; p. 4.
20. ''List of Competitions,'' unsigned; p. 5.
21. ''Help Wanted Adds,'' p. 5.
22. ''The Problem of Absenteeism,'' Dr. Wl. Zemanek; p. 6.
23. ''Historical Note: P. Potain,'' R. Dzierzanowski; p. 6.
24. ''The Rural Health Cooperative Stefan Zarowski,'' unsigned; p. 6.
25. ''The Diary of an Allergic,'' signed ENYS; p. 6.
26. ''Chronicle of Activities of Scientific Societies,'' unsigned; p. 6.
27. ''Defense of Doctoral Dissertations: Notices,'' unsigned; p. 6.

NERADOVA, O.; ZEMANEK, Y.

Antibacterial therapy in tuberculous coxitis in children. Probl. tub. no.8:35-37 '61. (MIRA 15:5)

1. Iz detskogo tuberkuleznogo sanatoriya imeni Gotval'da (dir. S. Pol), Koshumberk-Luzhe (Chekhoslovakiya).
(HIP JOINT--TUBERCULOSIS)

ZEMANEK, Ye.Kh.

3(1) PHASE I BOOK EXPLOITATION SOV/1391

Akademiya nauk SSSR. Astronomicheskiy sovet.

Polnyye solnechnyye zatmeniya 25 fevralya 1952 i 30 iyunya 1954 g. Trudy ekspeditsiy po nablyudeniyu zatmeniy (Total Eclipse of the Sun, February 25, 1952 and June 30, 1954. Transactions of the Expedition to Observe Solar Eclipses) Moscow, Izd-vo AN SSSR, 1958. 357 p. 1,200 copies printed.

Editorial Board: Pariyskiy, N.N., Candidate of Physical and Mathematical Sciences (Resp. Ed.); Kononovich, E.V. (Secretary); Kuz'min, A.D., Candidate of Technical Sciences; Mogilevskiy, E.I., Candidate of Physical and Mathematical Sciences (Deputy Resp. Ed.); Mustel', E.R., Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: Yegorova, N.B.; Tech. Ed.: Kashina, P.S.

PURPOSE: This book is intended for amateur and professional astronomers interested in eclipse phenomena.

COVERAGE: The present compendium is the fourth in a series published by the Academy of Sciences of the USSR on solar eclipses observed in the Soviet Union. The present collection reports on the results

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of observations obtained by scientific teams of 20 research institutions during the total solar eclipses of 1952 and 1954. The reports include studies of the sun's chromosphere, its total coronal brightness, monochromatic glow, structure, polarization photometry, and colorimetry. The results of studies on coronal radio emissions for various wavelengths and on the effect of the sun on the earth's atmosphere, based on the February 1952 and June 1954 eclipses, are presented. The individual articles are accompanied by tables, diagrams and bibliographic references.

TABLE OF CONTENTS:

Total Eclipse (Cont.)

SOV/1391

AVAILABLE: Library of Congress

MM/sfm
4-9-59

Card 8/8

L 08925-67 EWT(1) GW

ACC NR: AR6025348 SOURCE CODE: UR/0269/66/000/004/0063/0063

AUTHOR: Zemanek, Ye. M.; Stefanov, O.P.

33

TITLE: Magnetic amplification of lines and growth parameters of sunspots

SOURCE: Ref. zh. Astronomiya, Abs. 4.51.481

REF SOURCE: Visnyk Kyyivs'k. Un-tu. Ser. astron., no. 6, 1964, 25-31

TOPIC TAGS: ~~astronomy~~, Sun, sunspot, solar radiation, solar magnetic field, solar spectral line

ABSTRACT: In one of their previous articles, the authors (Ref. zh. Astronomy, 1965, 5.51.375) investigated a sunspot observed June 22, 1959. In the presently referenced article, the same spot is studied, but at a different distance from the disk center. The spot was photographed June 27, 1959. The equivalent line widths W_λ have been corrected for halo influence and for magnetic amplification. The latter effect was evaluated on the basis of V. B. Stepanov's theory. In addition to published research, the same corrections are embodied in the W_λ values taken June 22 1959 and Sept. 19, 1958 on the sunspots (Ref. zh. Astron. 1962, 8A388). In the table below, the exciting temperature, T_B; the number N of Fe I atoms in the field of view; the full velocity, v, and the turbulent velocity, v_t values are given for all three spots.

Card 1/2 UDC 523.77

L 08925-67

ACC NR: AR6025348

Date	s_p	H pest	Observed T_B	Observed $N \cdot 10^{18}$	Observed v	Observed v_t	Corrected T_B	Corrected $N \cdot 10^{18}$	Corrected v	Corrected v_t
22.06.59	1150	3200	3890	7,1	3,1	2,8	4050	6,1	2,7	2,4
27.06.59	1300	2600	3770	15,3	3,0	2,8	3840	11,7	2,2	2,0
19.09.58	720	2500	4070	5,2	3,0	2,8	4140	2,9	2,7	2,4

[Translation of abstract]

SUB CODE: 03

Card 2/2 egk

L 08924-67 EWT(1) GW

ACC NR: AR6025349 SOURCE CODE: UR/0269/66/000/004/0064/0064

AUTHOR: Stefanov, O. P.; Zemanek, Ye. M. 45

TITLE: Relative intensity of the continuous spectrum of the sunspot observed 22 June 1959

SOURCE: Ref. zh. Astronomiya, Abs. 4.51.483

REF SOURCE: Visnyk Kyyivs'k. un-tu. Ser. astron., no. 6, 1964, 41-45

TOPIC TAGS: ~~astronomy, astrometeorology~~, sunspot, solar radiation, ~~sunspot~~ spectrum analysis ~~intensity~~

ABSTRACT: The sunspot spectrum was photographed thru the frequency band λ 4000-6700. Methodology of data processing and of the consideration of the photosphere dispersed light is described at length. The intensity distribution of the continuous spectrum is represented by $\lg I_s/I_\odot$, I_s and $I_\odot$ being respectively the intensity in the spot and in the photosphere. The dependence of $\lg(I_s/I_\odot)$ upon λ is not everywhere smooth; a large increase in intensity near λ4800 is noted; decreased intensity regions correspond to certain molecular absorption bands. For the derivation of the absolute values of I_s, the absolute values of $I_\odot$ according to G. Sitnik were utilized. A table shows I_s and $I_\odot$, the temperatures $T_\odot$ and $T_\odot$, and $\Delta\theta = 5040(1/T_s - 1/T_\odot)$ as functions of λ. [Translation of abstract].

SUB CODE: 03, 20

Card 1/1 egk

UDC 523.77

ZEMANEK, E. N.

21353 VSEKHSVYATSKIY, S. K. I ZEMANEK, E. N. Sraunitel'noe issledovanie krivykh solnechnoy aktivnosti po razlichnym indeksam, doklady akad. Nauk SSSR, Novaya seriya, T. LXVII, No. 2, 1949, S. 237-40.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

ZEMANEK, Ye.N.

BOGORODSKIY, A.F.; ZEMANEK, Ye.N.

On the problem of latitudinal assymetry in the distribution of sunspots. Publ.Kiev.astron.obser. no.3:35-41 '50. (MLRA 7:9)
(Sunspots)

ZEMÁNEK,Ye,N., VSEKHSVUATSKIY, S. K., SERGEYEVA, A. N.

"System of Indices of Solar Activity," Publikatsii Kievsk, astronom. observ., No 5, 1953, pp 147-154

Kiev Astronomical Observatory compiled data of the number of days of observations carried out in years 1947-1949 by ten observatories: those of Tashkent, Kharkov, Kiev, Odessa, Abastuman, Kazan, Lvov, NIIZM (Scientific Research Institute of Terrestrial Magnetism), Irkutsk and Crimea. Discrepancies in evaluations from the average by all mentioned observatories are given. The average error is about 6.5%. The introduction of a unique method of observations and a unique system of indexes is considered e ssential. (RZhAstr, No 4, 1955)

SO: Sum. No. 568, 6 Jul 55

ZEL'DINA, M.Yu.; ZEMANEK, Ye.N.; SERGEYEVA, A.N.; TURCHANINOVA, E.V.

Solar activity in 1951. Publ.Kiev.astron.obser.no.6:113-119 '54.
(Sun) (MLRA 9:4)

ZEMANEK, Ye.N.

Photospheric activity of the sun in 1948. Publ.Kiev.astron. obser.no.6:121-129 '54. (MLRA 9:4)
(Sun)

ZEMANEK, Ye.N.

Photospheric activity of the sun in 1949. Publ.Kiev.astron. obser,no.6:131-138 '54. (MLRA 9:4)
(Sun)

ZEMANEK, Ye.N.

ZEL'DINA, M.Yu.; ZEMANEK, Ye.N.; SERGEYEVA, A.N.

Observations of the solar photosphere and chromosphere at the Kiev Astronomical Observatory in 1942-1945. Trudy KAO 1:81-300 '56. (Sun--Observations) (MLRA 10:9)

3,1550

81761
S/035/60/000/02/03/009

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 2, p. 48, # 1428

AUTHORS: Steshenko, N. V., Zemanek, Ye. N.

TITLE: An Investigation of Chromospheric Line Contours of Hydrogen, Helium and Ionized Calcium

PERIODICAL: V sb.: Polnyye solnechn. zatmeniya, 25 fevr. 1952 i 30 iyunya 1954, Moscow, AN SSSR, 1958, pp. 36-48

TEXT: The authors present the results of processing the observations carried out during the total solar eclipse on June 30, 1954, with the stationary solar spectrograph of the Astronomical Observatory of the Kiyev University (Kiyev was in the eclipse belt). To observe the eclipse, the spectrograph was equipped with four cameras for taking pictures simultaneously in four regions of the spectrum. The values of dispersion were as follows: 5.47 A/mm for H β -line (P_1 plate), 5.50 and 15 A/mm in the region of H and K lines of CaII (P_2 plate), 1.27 A/mm near helium line λ 5876 (P_4 plate), and 0.85 A/mm near the K-line (CaII) (P_3 plate which was used in the other order of the spectrum). The profiles of

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81761
S/035/60/000/02/03/009

An Investigation of Chromospheric Line Contours of Hydrogen, Helium and Ionized Calcium

the following lines were plotted: H and K of CaII, Hβ, Hδ, D_3 (λ5876), for altitudes of 2,200, 5,200 and 8,000 km above the photosphere level. Doppler half-widths of the lines were determined, and assuming T = 6,000° K, the turbulent speed was calculated to be ξ_t = 16.0 km/sec. An attempt is made to interpret the profiles observed under the assumption that the luminosity of the chromosphere is due to scattering of solar radiation. There are 7 references.

E. Ye. Dubov

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Card 2/2

ZEL'DINA, M.Yu; ZEMANEK, Ye.N.; SERGEYEVA, A.N.

Observations of the sun's photosphere and chromosphere at the Astronomical Observatory of Kiev University in 1946-1950. Trudy KAO 2:3-468 '58. (MIRA 13:4)
(Sun)

ZEMANEK, Ye.N.

Solar observations under the program of the International Geophysical Year. Mezhdunar. geofiz. god [Kiev] no.2:66-68 '60.
(MIRA 14:1)

1. Astronomical Observatory of Kiyev State University.
(Sun—Observations)

ZEL'DINA, M.Yu.; ZEMANEK, Ye.N.

Spectrophotometry of a sunsport. Mezhdunar.geofiz.god no.3:55-64 '61. (MIRA 14:10)

1. Astronomical Observatory of Kiyev University.
(Sunspots) (Spectrum, Solar)

S/035/62/000/008/024/090
A001/A101

AUTHORS: Zemanek, Ye. N., Stefanov, A. P.

TITLE: Spectrophotometry of the sunspot observed on September 19, 1958

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 59, abstract 8A388 ("Mezhdunar. geofiz. god. Inform. byul.", 1961, no. 4, 18 - 23; English summary)

TEXT: The spectrum of a sunspot taken with dispersion of 1.25 A/mm was used to plot the curve of growth. Equivalent widths are measured for 237 lines of iron. They turned out to be larger than the corresponding values measured in the photosphere, the difference decreasing with the growth of excitation potential. Strengths of oscillators of the lines for which they were not known, were determined by relating to the curve of growth plotted by L. A. Mitrofanova for the photosphere. Theoretical curves of growth are calculated for the homogeneous model. The superposition of the observed curve of growth with the theoretical one yielded the following values of physical parameters in the sunspot: damping parameter a = 0.08; turbulent velocity = 2.8 km/sec; excitation temperature =

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Spectrophotometry of the...

S/035/62/000/008/024/090
A001/A101

4,220±70°K; the ratio of the numbers of iron atoms in the sunspot and photosphere = 8.1±1.0. The results obtained agree with data of other authors. There are 9 references.

R. Teplitskaya

[Abstracter's note: Complete translation]

Card 2/2

ACC NR: AR6019478 SOURCE CODE: UR/0269/66/000/002/0056/0056

AUTHOR: Zemanek, Ye. N.; Stefanov, A. P.

TITLE: Spot growth curve derived from the lines of neutral titanium

SOURCE: Ref. zh. Astronomiya, Abs. 2.51.439

REF SOURCE: Materialy Mezhdunar. geofiz. goda. Inform. byul., no. 6, 1964, 103-106

TOPIC TAGS: solar phenomenon, solar photosphere, titanium, iron, SUNSPOT, SUNSPOT CYCLE

ABSTRACT: A solar-spot growth curve derived from the lines of neutral titanium was compared with the curve derived previously for the same spot from the lines of neutral iron, using "stellar" values of the oscillator's power (see RZhAstr, 1961, 3A297) reduced to the absolute system. The spot development temperature and the number of atoms in a column with a cross section of 1 cm^2 were determined for FeI and TiI. The number of TiI atoms in the spot was 2 orders of magnitude less than the number of FeI atoms, just as in the photosphere. The temperature of development for TiI was somewhat lower than that for FeI, which was attributed to a difference in altitudes at which the lines of these elements were produced. The overall velocity of atoms, which is 3.0 km/sec for TiI and 3.1 km/sec for FeI, was determined by comparing the observation data and the calculated growth curves. Bibliography of 11 titles. O. Mitropol'skaya. /Translation of abstract/

SUB CODE: 03

Card 1/1 UDC: 523.77

ACC NR: AR6019478 SOURCE CODE: UR/0269/66/000/002/0056/0056

AUTHOR: Zemanek, Ye. N.; Stefanov, A. P.

TITLE: Spot growth curve derived from the lines of neutral titanium

SOURCE: Ref. zh. Astronomiya, Abs. 2.51.439

REF SOURCE: Materialy Mezhdunar. geofiz. goda. Inform. byul., no. 6, 1964, 103-106

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SUB CODE: 03

Card 1/1 UDC: 523.77

TAMCHYNA, J.; ZEMANIK, J.; DOHNALOVA, V.

Contribution to the knowledge of boxwood alkaloids and their effectivity. Acta r nat Univ Com 3 no.2/3:123-134 '59.
(EEAI 10:5)

(Box) (Alkaloids)

ZEMANKOVA-KONCOVA, H.; KRABOSKI, L.; KROUTIL, H.

"Effect of Tetraethylthiuram Disulphide on Blood Clotting in Rabbits." p. 50, (CESKOSLOVENSKA FYSIOLOGIE, Vol. 3, No. 1, Jan. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4 No. 5, May 1955, Uncl.

ZEMANKOVA-KUNZOVA, H.; MAZANEC, K.

Effect of quercetin and sodium salicylate on serum myocarditis in rabbit. Biol. listy, Praha 32 no. 4:337-343 1952. (CIML 23:1)

1. Of the Institute of Pharmacology and of the Institute of Histology of Palacky University in Olomouc.

ZEMANKOVA-KUNCOVA, H., KLAPETEK, J., JELINEK, J. "Toxicity of tetraethylthiuramdisulfide." p. 256. (Casopis Lekaru Ceskych. vol. 93, no. 9, Feb. 1954. Praha.)

SO: Monthly List of East European Accessions, vol. 3, no. 6, Library of Cong., June 1954, Uncl.

ZEHANKOVA-KUHZOVA, H.; KLABUSAY, L.; KROUTIL, M.

Effect of tetraethylthiuramdisulfide on blood coagulation in rabbits. Chekh. fiziol. 3 no.1:59-68 1954.

1. Farmakologicheskiy institut meditsinskogo fakul'teta universiteta imeni Palatskogo, Olomouts.

(DISULFIRAM, effects,
on blood coagulation in rabbits)
(BLOOD COAGULATION, effect of drugs on,
disulfiram in rabbits)

CA

"Brunckite"—cryptocrystalline sphalerite. J. Zemann (Univ. Vienna). *Tschermaks mineralog. u. petrog. Mitt.* 1, 417-19(1950); cf. Herzenberg, *C.A.* 33, 2072⁹.—X-ray examn. of a sample of brunckite gave a cubic pattern with $a = 5.404 \pm 0.006$ A., d. = 4.1 g./cm.³, which agreed with the pattern for sphalerite. It is believed that "brunckite" contains an aged ZnS gel and, therefore, the name "brunckite" is incorrect as indicating an amorphous ZnS.

A. R. Matheson

CA

8

Riebeckite gneisses of the eastern end of the northern alpine graywacke zone. J. Zemann (Univ., Vienna). *Mineralog. u. petrog. Mitt.* 2, 1–23(1950).—The riebeckite gneisses of the Semmering region represent acidic, often strongly exfoliated alkali, gneisses. Several varieties not previously mentioned are described and are shown to be from massive modifications. Two new chem. analyses are presented. With respect to the origin of the rocks, the possibility is discussed of an alkali impregnation of sediments in connection with the down pressure of basic magmas. A. R. Matheson

CZECHOSLOVAKIA

ZEMANOVA, J.

KALAC, J.; ZEMANOVA, J.

1. Scientific Research Institute, Faculty of Pharmacy, Karlova University (Vedeckovyskumny ustav Farmaceutickej fakulty UK) (for Kalac); 2. Institute for the Further Education of Physicians and Pharmacists, Faculty of Pharmacy (Ustav pre dalsie vzdelavanie lekarov a farmaceutov, Katedra farmacie), Bratislava

Bratislava, Farmaceuticky obzor, No 8/9, August-September 1965, pp 362-68

"Properties of linseed mucin (l'anového mucínu). Part 5: On the interaction of the mucin and d-sorbit in solutions and in x-ray contrast materials."

ZEMANOVA, J

CZECHOSLOVAKIA

KALAC, J; ZEMANOVA, J

1. Scientific Research Institute, Faculty of Pharmacy (Vedeckovyskumny ustav Farmaceutickej fakulty), UK (for Kalac?); 2.Institute for the Further Education of Physicians and Pharmacists in Bratislava, Faculty of Pharmacy (Ustav pre dalsie vzdelavanie lekarov a farmaceutov v Bratislave, Katedra farmacie, Bratislava (for Zemanova)
Bratislava, Farmaceuticky obzor, No 1, January 1966, pp 17-24

"The properties of linseed mucilage."

ZEMANOVA, Jana

Texty z ruskeho jazyka pro posluchace geologie s rusko-ceskym slovnickem. Jana Zemanova, Olga Kalcovska. (Vyd. 1.) Praha, Statni pedagogicke nakl., 1954. 135 p. (Ucebni texty vysokych skol) (Text in Russian for students of geology, with a Russian-Czech dictionary. 1st ed.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

KRTIL, Josef; KOURIM, Vaclav; ZEMANOVA, Jaroslava; PANKOVA, Helena

Separation of Zr^{95}-Nb^{95} from the fission product solution by sorption on silica gel. Jaderna energie 10 no. 2:47-51 F '64.

1. Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved, Rez u Prahy.

ZEMANOVA, M.; DROGNICA, L.

Effect of isothiocyanates on the bacterial dehydrogenases. p. 740

BIOLOGIA. (Slovenska akademia vied) Bratislava, Czechoslovakia, Vol. 13, no. 10, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959 Uncl.

ZIKMUND, E.; LACKO, J.; FOUSOVA, M.; ZEMANOVA, K.

Significance of experimental animals in standardization of insulin.
Cesk. farm. 2 no.9:303-306 Sept 1953. (OIML 25:4)

1. Of the Insulin Station of the Pharmaceutical Institute in Prague.

CZECHOSLOVAKIA UDC 616-001.12-092.25

DOLEZAL, Vladimir; SLAVKA, Vladimir; LUXA, Josef; RYBAK, Frantisek; ZEMANOVA, Zdenka; Institute of Aeronautical Medicine (Z Ustavu Leteckeho Zdravotnictvi), Prague, and Research Institute for Physiatrics , Balneology, and Climatology (Vyzkumny Ustav pro Fyziatrii, Balneologii a Klimatologii), Bratislava.

"Adaptation Reaction of the Organism in Mountains at Elevations of 1500 - 2000 Meters."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 2, Apr 66, pp 56 - 59

Abstract: A group of 8 mountain climbers of average ability was investigated for 6 days in Tatra Mountains at elevations of 1500 to 2000 meters. A correlation between the amount of physical stress and the excretion of 17-ketosteroids and mucoproteins was established. Vanillylmandelic acid is a very sensitive indicator of the emotional stresses. The period of 6 days served for the adaptation of the people to mild hypoxia. 1 Figure, 5 Tables, 10 Western, 6 Czech references.

1/1

(K)

CZ/0060/66/000/002/0056/0059

CZECHOSLOVAKIA

AUTHOR: Dolezal, Vladimir (Doctor of medicine; Candidate of science); Slavka, Vladimir (Doctor of medicine); Luxa, Josef (Engineer); Rybak, Frantisek; Zemanova, Zdenka

ORG: Institute of Aviation Medicine, Prague (Ustav leteckeho zdravotnictvi); Research Institute of Physiatrics, Balneology, and Climatology, Bratislava (Vyzkumny ustav pro fyziatrii, balneologii a klimatologii)

TITLE: Adaptive reaction of the organism to mountain altitudes of 1500—2000 m

SOURCE: Vojenske zdravotnicke listy, no. 2, 1966, 56-59

TOPIC TAGS: alpine physiology, human physiology, high altitude physiology, high altitude conditioning, physical stress

ABSTRACT: A group of 8 mountain climbers was observed for 6 days under physical stress in the Tatra Mountains at an altitude of 1500—2000 m. The tests were especially designed to study kidney reaction. The following substances were measured at 12-hour intervals: vanillylmandelic acid (3-methoxy-4-hydroxymandelic acid), ketosteroids, mucoproteins, eosinophils, and dehydroepiandrosterone. On the first day high secretion of ketosteroids and low secretion of vanillylmandelic acid were observed. A significant rise in vanillylmandelic acid occurred after the second day when the men had suffered a severe emotional disturbance (news of an accident) Significant changes were observed in the secretion of mucoproteins.. The highest

1/3 UDC: 616.001.18.002.25

values were registered the first day; a decrease was observed in the following days, and a sharp drop after return from the mountains. Eosinophile values did not change considerably during the 6-day stay in the mountains. Dehydroepiandrosteron was the

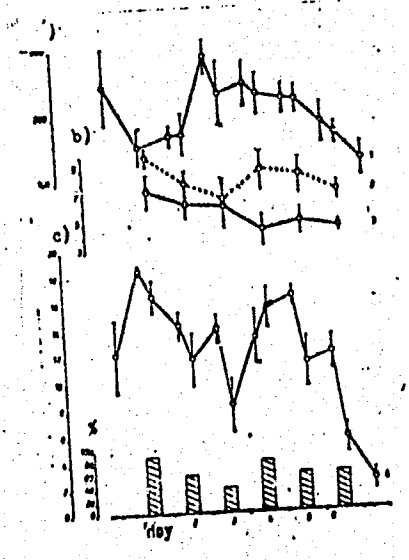

Fig. 1. Deposits of: 1) vanillylmandelic acid in microgram/hr in 12-hr portions of urine; 2) neutral 17-ketosteroids in mg/24 hr; 3) dehydroepiandrosterone in mg/24 hr; 4) units of mucoproteins in 12-hr portions of urine; 5) load in %. (The first and last values indicate the control figures taken before and after return from the mountains.)

a - Vanillylmandelic acid; b - 17-ketosteroids and dehydroepiandrosterone; c - mucoproteins.

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...ly substance tested which was reduced without regard to physical or emotional stress (see Fig. 1). The authors conclude that dehydroepiandrosterone can be used as an index of the adaptability of the organism to altitude. A connection was established between the degree of physical stress and deposits of 17-ketosteroids and mucoprotein. Vanillylmandelic acid was found to be a highly sensitive indicator of emotional stress. Further research is indicated to learn how the organism adjusts to altitude when not under physical stress, and whether the process of adjustment can be shortened by repeated exposure to altitude. Orig. art. has: 1 figure and 5 tables. [VS]

VOREL, F.; ZEMANOVA, Z.

Tests of the lactic acid concentration in post-mortem brain.
Physiol. Bohemoslov. 13 no.4:425-431 '64.

1. Institute of Aviation Medicine, Prague.

DOLEZAL, Vladimir, MUDr. CSc.; LUXA, Josef, major inz.; Technicka spoluprace: SVACINKOVA, Bozena; ZEMANOVA, Zdenka; RYBAK, Frantisek

Secretion of 3-methoxy-4-hydroxy-mandelic acid in pilots. Voj. zdrav. listy 34 no.4:164-166 Ag '65.

1. Ustav leteckeho zdravotnictvi, Praha.

SOURCE: Vojenske zdravotnicke listy, no. 2, 1966, 56-59

TOPIC TAGS: alpine physiology, human physiology, high altitude physiology, high altitude conditioning, physical stress

ABSTRACT: A group of 8 mountain climbers was observed for 6 days under physical stress in the Tatra Mountains at an altitude of 1500—2000 m. The tests were especially designed to study kidney reaction. The following substances were measured at 12-hour intervals: vanillylmandelic acid (3-methoxy-4-hydroxymandelic acid), ketosteroids, mucoproteins, eosinophile, and dehydroepiandrosterone. On the first day high secretion of ketosteroids and low secretion of vanillylmandelic acid were observed. A significant rise in vanillylmandelic acid occurred after the second day when the men had suffered a severe emotional disturbance (news of an accident). Significant changes were observed in the secretion of mucoproteins.. The highest

Card 1/3 UDC: 616-001.12-092.25

values were registered the first day; a decrease was observed in the following days, and a sharp drop after return from the mountains. Eosinophile values did not change considerably during the 6-day stay in the mountains. Dehydroepiandrosteron was the

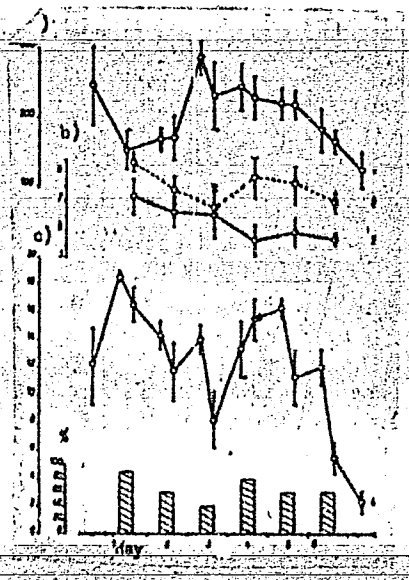

Fig. 1. Deposits of: 1) vanillyl-mandelic acid in microgram/hr in 12-hr portions of urine; 2) neutral 17-keto-steroids in mg/24 hr; 3) dehydroepiandro-sterone in mg/24 hr; 4) units of muco-proteins in 12-hr portions of urine; 5) load in %. (The first and last values indicate the control figures taken before and after return from the mountains.)

a - Vanillylmandelic acid; b - 17-keto-steroids and dehydroepiandrosterone; c - mucoproteins.

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ACC NR: AP6015119

only substance tested which was reduced without regard to physical or emotional stress (see Fig. 1). The authors conclude that dehydroepiandrosteron can be used as an index of the adaptability of the organism to altitude. A connection was established between the degree of physical stress and deposits of 17-ketosteroids and mucoproteins. Vanillylmandelic acid was found to be a highly sensitive indicator of emotional stress. Further research is indicated to learn how the organism adjusts to altitude when not under physical stress, and whether the process of adjustment can be shortened by repeated exposure to altitude. Orig. art. has: 1 figure and 5 tables. [KS]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 010/ ATD PRESS: 5102

Card 3/3

IACHOVA, S., Ph.Dr., (Ruska 65, Praha 10); ZEMANOVA-SIMALIAKOVA, J.

Postgraduate education of pharmacists in Czechoslovakia.
Cesk. farm. 14 no.6:283-285 Ag '65.

1. Ustav pro doskolovani lekaru, Praha a Ustav pro dalsie vzdelavanie lekarov a farmaceutov, Trencin.

Authors : Tryasunov, P. G., and Zemanskiy, S. M.

Title : News in the construction of six-spindle automatic and semi-automatic machines

Periodical : Stan. i instr. 2, 1 - 5, Feb 1955

Abstract : Announcement is made by the Kiev Machine Construction Plant about the installation of two new metal-cutting machines - the fully automatic 6-spindle chucking machine type 1265 and the semi-automatic machine type 1265 P. Both machines are of uniform construction and their parts are unified up to 70%. The principle difference and mode of operation of both machines is described. The maximum diameter of the metal parts machined on the fully automatic 1265 is 65 mm and 160 mm on the 1265 P. One USSR reference (1954). Drawings; illustrations, graph.

Institution: .....

Submitted: .....

KRUPKA, Wiktor, mgr.,inz.; KUBISZ, Jerzy, mgr.,inz.; ZEMBALA, Andrzej, inz.

Automatic regulation of ball mills. Rudy i metale 7 no.3:135-138 '62.

CWIENK, Jerzy, inz.; SEFERNA, Jerzy, inz.; ZEMBALA, Andrzej, inz.; TRYBUS, Albin, inz.

Blocking by means of an auxiliary alternating current with the help of a RTe-2/100-(0-3) type relay and an auxiliary accumulator relay. Energetyka przem 10 no.3:102-104 '62.

ZEMBALA, E.

Metallurgical Abst.
Vol. 21 Apr. 1954
Properties of Metals

*Technology of Metallic Barium Production. M. Orman and E. Zembala (*Prace Inst. Met.*, 1952, 4, (6), 437–445).—[In Polish]. Apparatus for the prodn. of metallic Ba by the reaction $4BaO + 2Al = BaO.Al_2O_3 + 3Ba$ is described. The reaction begins at ~700° C. and at a pressure ~10^{-4} mm. Hg. the Ba distilling over and condensing in the cooler part of the reaction retort. Optimum operating conditions are: temp. 1160°–1180° C. (steel retort), pressure 10^{-4} mm. Hg or lower, BaO : Al ratio 10 : 1 with BaO_2 content >0·3%. The metal obtained is 99·0% pure and the yield 65% of the theoretical.—S. K. L.

Polish Technical Abst.
No. 1 1954
Metallurgy

2578

(2) Met

669.893.1

Orman M., Zembala E. Technology of Metallic Barium Production.

„Technologia produkcji metalicznego baru" (Prace Inst. Metalurgii No. 6), Katowice, 1953, PWT, 7.5 pp., 7 figs., 3 tabs.

Development of the technology of the production of metallic barium. The application of metallic barium as an absorber, and methods of producing it. A description of an apparatus designed by the authors for the production of barium, and of the establishment of the optimal conditions of production. In the apparatus described, metallic barium, 99.5% pure, was obtained; the efficiency of the process is 35 to 40 per cent.

ZEMBATOV, A.T.

Surgical treatment of prolapse of the rectum. Khirurgiia Supplement: 47-48 '57. (MIRA 11:4)
(RECTUM--SURGERY)

ZEMBATOV, A.T.

A case of diaphragmatic hernia. khirurgiia, Moskva no.5:3-14 My '55. (MLRA 8:9)
(HERNIA, DIAPHRAGMATIC, surg.)

ZEMBATOV, A.T. (Primorskiy kray)

Problem of acute ileitis. Klin.med. 34 no.3:79-82 Mr '56. (MLRA 10:1)
(ILEITIS, case reports,
(Rus))

ZEMBATOV, Z.

New development in the work organization of insurance agents. Fin. SSSR 37 no.5:62-65 My '63. (MIRA 16:5)

1. Starshiy inspektor inspektsii Gosstrakha po Kirovskomu rayonu Moskvy.

(Moscow—Insurance)

ZEMBATY, JAN.

Opole i Opolszczyzna; monografia krajoznawcza. Wyd. 2., popr. i rozsz. Warszawa, Sport i Turystyka, 1955. 207 p. / Oppeln and the Opole region. 2d ed., rev. and enl. illus., maps (part fold), bibl., facsims./

SOURCE: East European List REAL) Library of Congress, Vol. 6, No. 1, January 1957

ZEMBITSKAYA, Z. S.

Zembitskaya, Z. S.

"The Dynamics of Gas Exchange and Energy Losses in Women during the Birth Process." Min Health Ukrainian SSR. Dnepropetrovsk State Medical Inst. Kiev, 1955 (Dissertation for the degree of Candidate in Medical Science)

SO: Knizhnaya letopis' No. 27, 2 July 1955

ZEMBITSKAYA, Z.S. [Zombits'ka, Z.S.], kand.med.nauk

Dynamics of gas exchange and energy consumption in women during labor. Ped., akush. i gin. 20 no.5:46-51 '58. (MIRA 13:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva im. Geroya Sovetskogo Soyuza prof. P.M. Buyko (direktor - zasluzhennyy vrach USSR M.D. Burova, nauchnyy rukovoditeli - zav. akusherako-ginekologicheskim otdelom prof. S.P. Vinogradova i zav. kafedroy fiziologii Vinnitskogo meditsinskogo instituta prof. N.K. Vitte).

(RESPIRATION) (METABOLISM) (LABOR (OBSTETRICS))

ZEMBITSKAYA, Z.S. [Zembyts'ka, Z.S.], kand.med.nauk

New method for restoring the permeability of the fallopian tubes in women suffering from sterility. Ped., akush. i gin. 23 no.5: 53-55 '61. (MIRA 14:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva im. Geroya Sovetskogo Soyuza prof. P.M.Buyka (direktor - kand.med.nauk O.G.Pap [Pap, O.H.]), akushersko-ginekologicheskiy otdel (nauchnyy rukovoditel' - doktor med.nauk prof. S.P.Vinogradova [Vynohradova, S.P.]), patomorfologicheskaya laboratoriya (zaveduyushchiy - kand.med.nauk S.A.Garmiza [Harmyza, S.A.]).
(STERILITY) (FALLOPIAN TUBES)

ZEMBITSKAYA, Z. S., kand. med. nauk

Anesthesia in labor in combination with inhaled oxygen in parturients with disorders of gas exchange for prevention of hypoxia in the mother and fetus. Akush. i gin. no.3:33-37 '61. (MIRA 14:12)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva (dir. - kandidat meditsinskikh nauk A. G. Pap; nauchnyy rukovoditel' akushersko-ginekologicheskogo otdela - doktor meditsinskikh nauk prof. S. P. Vinogradova)

(ANESTHESIA IN OBSTETRICS) (LABOR, COMPLICATED)
(OXYGEN--THERAPEUTIC USE) (PROMEDOL)

BRUSILOVSKIY, Isaak Abramovich [Brusylovs'kyi, I.A.], kand. med. nauk; GATNENKO, S.O. [Hatnenko, S.O., translator]; ZEMBITSKAYA, Z.S. [Zembyts'ka, Z.S.], red.; ZAPOL'SKAYA, L.A. [Zapol's'ka, L.A.], tekhn. red.

[Female sterility and its treatment in the Saki mud bath resort] Bezplidnist' zhinok i ii likuvannia na Saks'komu hriaz'ovomu kurorti. Kyiv, Derzhmedvydav URSR, 1963. 28 p. (MIRA 16:12)
(STERILITY)
(SAKI (CRIMEA))—HEALTH RESORTS, WATERING PLACES, ETC.)

LUKOVSKIY, Yu. [Lukovs'kyi, IU.], inzh.; ZEMBITSKIY, B. [Zembyts'kyi, B.], inzh.; AKININ, F., inzh.; RUTUS, M., inzh.; GINDIS, Ya. [Hindis, IA.], inzh.; YERIKHEMZON, L., inzh.

Determination of the optimum program of automatic manipulation of buckets containing molten slag at granulation plants. Bud. mat. i konstr. 4 no.1:5-7 Ja-F '62. (MIRA 15:7)
(Zhdanov—Slag)

GLAZUNOV, A.A.; GLEZER, I.G.; EDEL'MAN, Sh.I.; IONINA, M.A.; ZEMBLEVSKIY, K.K.

Method for the complete processing of coal tar obtained by pyrolysis. Koks i khim. no.8:39-42 '62. (MIRA 17:2)

1. Yenakiyevskiy koksokhimicheskiy zavod (for Glazunov, Glezer, Edel'man, Ionina). 2. Donetskiy sovet narodnogo khozyaystva (for Zemblevskiy).