BONGART, M. M.

"Recognition Simulation on ETsM"

Report submitted for the Symposium on Principles in the Design of Self-Learning Systems, Kiev Ukr SSR, 5-9 May 1961

POLAND

SAWICKI, F. and BONIECKA, T., of the Epidemiology Department, State Hygiene Establishment (Zaklad Epidemiologii Panstwowego Zakladu Higieny) Prof. Dr. J. Kostrzewski, Head, Warsaw City Sanitary - Epidemiological Station (Miejska Stacja Sanitarno-Epidemiologiczna dla m.) Dr. J. Letki, Head.

"Occupational Diseases and Poisonings in Warsaw in 1962 and 1963. An Epidemiologic Analysis"

Warsaw, Przeglad Epidemiologiczny, Vol 20, No 3, 1966, pp 240-247.

Abstract: The paper analyses occupational diseases and poisonings in Warsaw for the years 1962-63 on the basis of 446 reports Prevalent types of occupational diseases and poisonings are broken down by industry type, age and sex of workers. Comparisons with other parts of Poland are made. Contains a summary in English, 1 Table and 6 Figures. No references.

1/1

BONIECKA-ZOLCIK, Helena

Frequency of air-temperature inversion at Krynica-Zdroj, 1956-1960. Przegl. geofiz. 8 no.1/2:37-44 '63.

1. Polski Instytut Hydrologiczno-Meteorologiczny, Warszawa.

BONIECKI, Jerzy

Poland - well known exporter in textile machines. Przegl techn 79 Special issue:330-333,335 Je '61.

Bonifac, S.

Bonifac, S. Are you afraid of the League for Cooperation with the Army? p. 571.

Vol. 10, no. 18, Aug. 1956
SVET MOTORU
TECHNOLOGY
Czechoslovakia

So: East European Accessions, Vol. 6, May 1957
No. 5

[redacted], I. I. Cand. Geograph. Sci.

Dissertation: "The Lancashire Industrial District." Moscow Order of Lenin State U imeni M. V. Lomonosov, 2 Jul 47.

SO: Vechernyaya Moskva, 2 Jul 47 (Project #17736)

BONIFAT YEVA, L.I.

USSR/ Miscellaneous - Economics

Card 1/1 : Pub. 86 - 32/34

Authors : Bonifatyeva, L. I., Cand. of Geogr. Sc.

Title : Why are the natural resources of Ceylon not utilized?

Periodical : Priroda 1, 123-125, Jan 1954

Abstract : The book, by S. F. DeSilva, entitled, "A Regional Geography of Ceylon," which deals in the exploitation of the natural resources of Ceylon, is being reviewed by the author of this report.

Institution : .....

Submitted : .....

BONIFAT'YEVA, L.I.

New developments in the utilization of natural resources in Ceylon. Izv.Vses.geog.ob-va 88 no.2:155-163 Mr-Ap '56. (MLRA 9:8)
(Ceylon--Economic conditions)

BONIFAT'YEVA, L.I.

Changes in the development and distribution of the Indian steel industry. Geog.sbor. no.11:110-130 '57. (MIRA 11:1)
(India--Steel industry)

BONIFAT'YEVA, L. I.

BONIFAT'YEVA, L.I.

Some features of the power engineering of India. Izv. Vses. geog. ob-va 89 no.6:550-553 N-D '57. (MIRA 10:12)
(India--Power engineering)

BONIFAT'IEVA, L.I.

Formation of economic regions in India. Izv.Vses.geog.ob-va 90 no.5:453-466 S-O '58. (MIRA 11:11)
(India--Economic zoning)

BONIFAT'YEVA, L.I., kand.geograf.nauk; SEMEVSKIY, B.N., prof., nauchnyy red.; ROZENFARB, I.Ya., red.izd-va; GURDZHIYEVA, A.M., tekhn.red.

[Ceylon; popular study] TSeilon; nauchno-populiarnyi ocherk. Leningrad, Ob-vo po rasprostraneniiu polit. i nauchn.znanii RSFSR, Leningr.otd-nie, 1959. 46 p. (MIRA 13:3)
(Ceylon--History) (Ceylon--Economic conditions)

3(5) SOV/12-91-1-19/22

AUTHOR: Bonifat'yeva, L.I.

TITLE: A Historical and Geographical Atlas of India; the Development of Its Economy and Culture (Historisch-geographisches Kartenwerk "Indien"; Entwicklung seiner Wirtschaft und Kultur)

PERIODICAL: Izvestiya Vsesoyuznogo geograficheskogo obshchestva, Vol 91, Nr 1, pp 98-101 (USSR) - 1959

ABSTRACT: This is a review of a historical and geographical atlas on India, the development of its economy and culture. It has been compiled by Professor Dr. Edgar Lehman in co-operation with Dr. Hildegard Weise and published by the publishing house "Enzyklopaedie", Leipzig, in 1958.

Card 1/1

3(5)
19(3)

SOV/12-91-3-3/14

AUTHOR: Bonifat'yeva, L.I.

TITLE: Impressions of the Journey to India and Ceylon

PERIODICAL: Izvestiya VGO, 1959, Vol 91, Nr 3, pp 236-249 (USSR)

ABSTRACT: This is a report on the author's impressions as member of a group of Soviet tourists, of his travels across India and Ceylon in December 1958. The TU 104-A aircraft took them, in 7 hours, from the Vnukovskiy airfield at Moscow via Tashkent to Delhi. The group spent 11 days in India and 5 days in Ceylon. The towns visited by the group were Delhi, Agra, Benares, Calcutta, Bombay, Madras, Colombo, Nuvara Eliya and Kandi. They covered about 6,000 km. Special concern of the group was the history of India. Almost all states of India are said to have a Branch of the Soviet-India-Friendship Society. The group

Card 1/2

Impressions of the Journey to India and Ceylon

met some Soviet engineers in Colombo which arrived there to help the native technicians in constructing a metallurgical and a tire-manufacturing plant.

Card 2/2

BONIFAT'YEVA, L.I.; YEFIMOVA, Ye.S.

"France" by I.A.Vitver, A.E.Sluka. Reviewed by L.I.Bonifat'eva, E.S.Efimova. Izv.Vses.geog. ob-va 92 no.3:284-286 My-Je '60. (MIRA 13:6)

(France—Economic conditions)
(Vitver, I.A.) (Sluka, A.E.)

BARSOV, Nikolay Nikolayevich, dotsent, kand.geograf.nauk; BONIFAT'YEVA, Lidiya Ivanovna, dotsent, kand.geograf.nauk; BUREMKO, Sergey Fedorovich, dotsent, kand.geograf.nauk; GITLITS, Semen Aleksandrovich, dotsent, kand.ekonom.nauk; GUREVICH, Priam Vladimirovich, prof.; DARINSKIY, Anatoliy Viktorovich, dotsent, kand.geograf.nauk; DOLININ, Aleksey Arkad'yevich, dotsent, kand.geograf.nauk; DOROSHKEVICH, Lyudmila Ivanovna, dotsent, kand.geograf.nauk; YEFIMOVA, Yelena Semenovna, kand.geograf.nauk; LAVROV, Sergey Borisovich, dotsent, kand. geograf.nauk; LEDOVSKIKH, Stepan Ivanovich, dotsent, kand.geograf. nauk; NEVEL'SHTEYN, Grigoriy Solomonovich, dotsent, kand.geograf. nauk; NIKOLAYEVA, Nadezhda Vasil'yevna, dotsent, kand.geograf.nauk; OGANESOV, Vladimir Artem'yevich, kand.geograf.nauk; PINKHENSON, Dmitriy Moiseyevich, dotsent, kand.geograf.nauk; POSPELOVA, Nataliya Georgiyevna, prof., doktor ekonom.nauk; SEMEVSKIY, Boris Nikolayevich, prof., doktor geograf.nauk; SUTYAGIN, Pavel Grigor'yevich, dotsent, kand.geograf.nauk; SHTEYN, Viktor Moritsovich, prof., doktor ekonom.nauk; YEROFEYEV, I.A., red.; SMIRNOVA, N.P., red.; TYUTYUNNIK, S.G., red.kart; BORISKINA, V.I., red.kart; KOZLOVSKAYA, M.D., tekhn.red.

[Economic geography of foreign countries; student manual] Ekonomicheskaia geografiia zarubezhnykh stran; posobie dlia studentov. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1960. 702 p. # maps (MIRA 13:12)

(Geography, Economic)

BONIFAT'YEVA, L.I.

Urbanization's effect on the formation of economic regions in India. Vop. geog. no.53:147-162 '61. (MIRA 14:7)
(India--Cities and towns)
(India--Economic zoning)

BONIFAT'YEVA, L.I.

On Ivan Aleksandrovich Vitver's 70th birthday. Izv. Vses. geog. ob-va 93 no.4:344-345 Jl-Ag '61. (MIRA 14:7)
(Vitver, Ivan Aleksandrovich, 1891-)

BONIFAT'YEVA, Lidiya Ivanovna; YERSHOV, Yuriy Alekseyevich; YAKOVLEV, V.G., otv.red.; KOSTINSKIY, D.N., red.; MARTYNOVA, V.A., mladshiy red.; GOLITSIN, A.V., red. kart; GLEYKH, D.A., tekhn.red.

[Ceylon; geographical study]TSeilon; geograficheskii ocherk. Moskva, Geografgiz, 1962. 189 p. (MIRA 15:8)
(Ceylon--Economic geography)

BONIFAT'YEVA, L.I.; KNYAZHINSKAYA, L.A.

Some preliminary results of the 1961 population census in India.
Izv. Vses. geog. ob-va 95 no.4:320-329 Jl-Ag '63. (MIRA 16:9)
(India--Census)

BONIFAT'YEVA, L.I.

Urbanization of Ceylon. Vop. geog. no.64:224-34 '64.
(MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova, geograficheskiy fakul'tet.

BONIFAT'YEVA, L.I.

Some characteristics of the urban system in the southern and southeastern countries of Asia. Vop. geog. no.66:113-129 '65.
(MIRA 18:6)

BONFEATIEVA, L. I.

Some characteristics of the gainfully-employed urban population of India. Izv. Vses. geog. ob-va 97 no.3:272-276 My-Je '65. (MIRA 18:8)

MORDAWSKI, Jozef, mgr inz.; BONIKOWSKI, Andrzej, inz.

Characteristics of sewage from the production of certain chemicals. Gosp wodna 22 no.9:430-432 S '62.

1. Zaklad Ochrony i Uzytkowania Wod, Lodz.

BEL'SKIY, Vladimir Leonidovich; VLASOV, Ivan Petrovich; ZAYTSEV, Valentin Nikolayevich; KAN, Saveliy Nakhimovich, dokt.tekhn.nauk, prof.; KARNOZHITSKIY, Vladimir Pavlovich; KOTS, Veniamin Markovich; LIPOVSKIY, David Yevseyevich; BONIN, A.R., doktor tekhn. nauk, retsenzent; SOKOLOV, A.I., inzh., red.; KUZ'MIN, G.M., tekhn. red.

[Design of aircraft] Konstruktsiia letatel'nykh apparatov. [By] V.L.Bel'skiy i dr. Moskva, Oborongiz, 1963. 708 p. (MIRA 16:8)

(Aircraft)

BONIN, Jozef, inz.

Temperature increment of the asynchronous motor stator winding during the direct-on starting in automatic reserve switching system in electric heating power plants. Energetyka Pol 15 no.11 Suppl.: 17-18 '61.

1. Dzial Elektryczny, "Energopomiar".

MICHALIK, Zbigniew, mgr.,inz.; BONIN, Jozef, inz.

Experiences in measurements of the steam turbine blades bibrations. Enetgetyka Pol 16 no.1:Bul energ:8 162.

1. "Energopomiar", Dzial Elektryczny.

BONIN, Jozef, inz.

Affication of the asynchronous slip-ring motor driving a coal-dust beater mill for the operation of an automatic reserve-switching arrangement. Energetyka Pol. 15 no.9:Suppl.: Energopomiar 7 no.2:11 S '61.

1. Dzial Elektryczny, Zaklad Badan i Pomiarow, Warszawa.

BONIN, K.M., inzhener po izobretatel'stvu fabriki imeni Kalinina.

Thread dividing rod on circular knitting machines. Tekst.prom. 14 no.8:52 Ag '54. (MLRA 7:10)
(Knitting machines)

BONINA, I.V., red.

[Cotton, spun, and blended fabrics and piece goods] Tkani i shtuchnye izdeliia khlopchatobumazhnye, shtapel'nye i smeshannye. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 351 p. (MIRA 18:1)

BONINA, I.V., red.

[Wool] Sherst'. Moskva, Izd-vo Standartov, 1965. 62 p.
(MIRA 18:8)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov.

BONINSKI, Tadeusz, mgr inz.; ROMAN, Marek, mgr inz.

Economy of draining the sewage from a small size town into a large neighboring purification station. Gaz woda techn sanit. 37 no.10: 318-320 O '63.

1. Stolica Design Office of Communal Constructions, Warsaw.

BONINSKI, Tadeusz, mgr inz.; ROMAN, Marek, mgr inz.; RYCHLIK, Sylwester, inz.

Complex construction of the Imhoff tank and connected reservoir for activated sediments. Gaz woda techn sanit 37 no.10:317-318 O '63.

1. Stolica Design Office of Communal Constructions, Warsaw.

BONIS, Gyorgy

The Spanish inquisition. Elet tud 17 no. 14:436-439. Ap '62

BONIS, Gyorgy

Inquisition in Hungary. Elet tud 16 no.12:362-365 19 Mr '61.

BONIS, Lajos

Chip board manufacture by the OKAL method. Faipar 8 no.1/2:50-55 Ja-F '58.

Boris L.

~~BOIS, L.~~

TECHNOLOGY

FAIPAR. (Fairpari Tudomanyos Egyesulet) Budapest.

Wood economy and requirements of Hungary, p. 306.

Vol. 8, No. 10 Oct. 1958.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 3, March, 1959, Unclass.

OPITZ, H., prof., dr.ing.; MOLL, H., dr. ing. (Essen); BONISCH, W., mernok

Automation of individual and small-scale production. Technika 8 no.1:3 Ja '64.

BONISHKO, Ye.M.

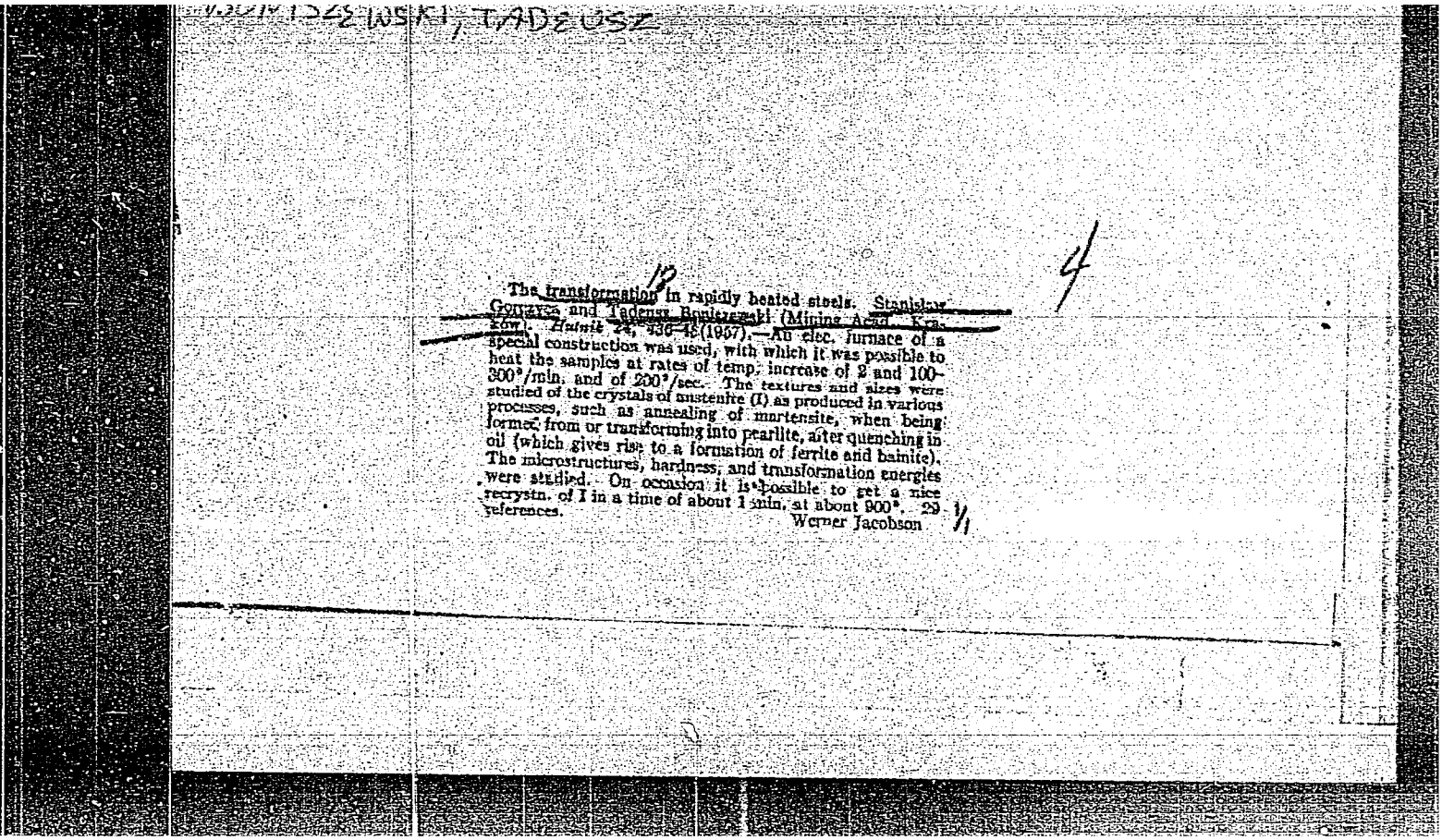
Accident prevention during operation of tractor-drawn drags.
Sakh.prom. 30 no.4:45 Ap '54. (MLRA 9:8)

1. L'vovskiy sakhsveklotrest.
(Earthmoving machinery--Safety measures)

BONISHKO, Ye.M.; ANDRIYEVSKIY, Ye.P.

Find ways of increasing labor productivity in sugar plants. Sakh. prom. 31 no.2:19-20 F '57. (MLRA 10:4)

1. L'vovskiy sakhsveklotrest (for Bonishko)
2. Chernovitskiy sakhsveklotrest (for Anrdiyevskiy)
(Sugar industry--Production standards)



The transformation in rapidly heated steels. Stanisław Gorczyca and Tadeusz Bonitzenski (Mining Acad., Kraków). *Hutnik* 24, 436–48 (1957).—An elec. furnace of a special construction was used, with which it was possible to heat the samples at rates of temp. increase of 2 and 100–300°/min. and of 200°/sec. The textures and sizes were studied of the crystals of austenite (I) as produced in various processes, such as annealing of martensite, when being formed from or transforming into pearlite, after quenching in oil (which gives rise to a formation of ferrite and bainite). The microstructures, hardness, and transformation energies were studied. On occasion it is possible to get a nice recrystn. of I in a time of about 1 min. at about 900°. 29 references.

Werner Jacobson

BINDIU, C.; BONITA, N.

Methodical aspects of research regarding transpiration in vegetable ecology. Studii cerc biol s. bot 16 no. 3: 221-227 '64.

1. Laboratory of Geobotany, "Traian Savulescu" Institute of Biology.

Bonits, M. P.

48-12-14/15

AUTHORS: Berlovich, E. Ye. , Gvotovskiy, K. M. , Ponits, M. P. , Breslav, V. I. , Preobrazhenskiy, B. K.

TITLE: Investigation of the Lives of Low Nuclear Levels Excited in Electron -Captures (Issledovaniye vremen zhizni nizhnikh urovney yader, vozbuzhdayemykh pri elektronnom zakhvate)

PERIODICAL: Izvestiya AN SSSR, Seriya Fizicheskaya, 1957, Vol. 21, Nr 12, pp. 1643 - 1652 (USSR)

ABSTRACT: The lives of the levels of some nuclei which are produced by means of capture of orbital electrons are investigated here. All initial nuclei belong to nuclei with a deficiency of neutrons. The nuclei are produced in "deep" separations under the action of neutrons with high energies. The paternal nuclei Tu^{167}, Eu^{147} and Gd^{145} were obtained in the tantalum-target by radiation by protons with 660 MeV in the synchrocyclotron. The thulium-, europium- and gadolinium--sources were produced according to the chromatographic method. The paternal nuclei of Ir^{190} were obtained by means of radiation of a bismuth target from which they were separated with the aid of an iridium-carrier. The measurement of the life was performed according to the method of retarded coincidences in an apparatus already earlier described by one of the authors (references 2 - 4). The co-

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Investigation of the Lives of Low Nuclear Levels Excited in Electron-Captures

incidences of the characteristic X-rays with the γ-rays ($X\gamma$- and γX-coincidence) or with the electrons of internal conversion (Xe- and eX-coincidence) were measured here. The transitions $Tu^{167} \rightarrow Er^{167}$, $Gd^{145} \rightarrow Eu^{145}$, $Eu^{147} \rightarrow Sm^{147}$, $Ir^{190} \rightarrow Os^{190}$ were investigated. It is shown that in the Er^{167}-nucleus the electric quadrupole-transition is highly accelerated, whereas the magnetic dipole-transition is highly retarded. The former is natural for an Er^{167}-nucleus with 17 neutrons over the filled shell and which belongs to the greatly deformed nuclei. The sound transition belongs to the group of retarded magnetic dipole-transitions (reference 19). The cause of the retardation is apparently connected with the collective nature of the magnetic transition. The interpretation of the measurement-results for the $Gd^{145} \rightarrow Eu^{145}$ -transition is not only not possible because the multipolarity of the γ-transitions of Eu^{145} is known, but also because there exists uncertainty in the identification of the γ-rays (115 keV) investigated. The obtained value for the upper limit of the life of the first excited state of Sm^{147}, on the assumption that the transition (E2 +M 1) is a mixed type, for the time of radiation with the taking into account of conversion yields a somewhat higher value for theupper limit $\tau_\gamma < 5.10^{-10}$ sec. It is shown that the result obtained

Investigation of the Lives of Low Nuclear Levels Excited in Electron-Captures

here contradicts the assumption that E2 +M 1 is a mixed type. $T_\gamma = 1{,}2 \cdot 10^{-9}$ sec is obtained from the observed value for the average life of the first excited state of $_{76}Os^{190}$ with the taking into account of the conversion on all shells and on the assumption that $\alpha = 0{,}71$.

B. S. Dzhelepov and collaborators, A. A. Bashilov and collaborators, as well as A. N. Murin and collaborators before publication placed data on their experiments with the isotopes investigated here at the authors' disposal. V. P. Dzhelepov and the personnel of the synchrocyclotron participated in the work. There are 8 figures, and 23 references, 12 of which are Slavic.

ASSOCIATION: Physico-Technical Institute AN USSR, Leningrad
(Leningradskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR)

AVAILABLE: Library of Congress

Card 3/3

56-6-38/47

AUTHORS: Berlovich, E. Ye. , Grotovskiy, K. M. , Bonits, M. P. , Gorodinskiy, G. M.

TITLE: The Life of a 264 KeV-Level of the Er^{167} Nucleus
(Vremya zhizni urovnya yadra Er^{167} s energiyey 264 KeV)

PERIODICAL: Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1957, Vol. 33, Nr 6 , pp. 1523 - 1524 (USSR)

ABSTRACT: By means of coincidence measurements the half-life of the 264 KeV-level of the Er^{167} nucleus was measured at $T_{1/2}=(2,0\pm0,5).10^{-9}$ s and herefrom a half-life of radiation of $T = 1,4 \cdot 10^{-8}$ s was computed.
The quadrupole moment computed herefrom is greater by the factor 2 than the measured one. This discrepancy is probably due to the inaccurate determination of the E 2 and M 1 ratio of this γ-transition. There are 1 figure, and 8 references, 7 of which are Slavic.

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56-6-38/47

The Life of a 264 KeV-Level of the Er^{167} Nucleus

ASSOCIATION: Leningrad Physico-Technical Institute AN USSR
(Leningradskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR)

SUBMITTED: August 2, 1957

AVAILABLE: Library of Congress

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S/048/61/025/002/005/016
B117/B212

AUTHORS: Berlovich, E. Ye., ~~Bonita, M. P.~~ (Polytechnic Institute, Dresden, Eastern Germany), Nikitin, V. V.

TITLE: Lifetime measurement of the first excited states of Tb^{159} and Yb^{173} by means of a multichannel time analyzer

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 2, 1961, 218-228

TEXT: Present paper was read at the 11th Annual Conference on Nuclear Spectroscopy (Riga, January 25 to February 2, 1961). The authors report on a time analyzer built by them, and suggest a method to check their chosen test conditions, i.e., how to avoid the time lag caused by the instrument. It follows from the circuit diagram (Fig. 1) that the instrument consists of a "slow" and a "fast" part. In the present paper, only the fast part is discussed (Fig. 2). The time and amplitude modulated pulses A and B, which can be used to measure the time delay, hit the spiral delay line Z_0 (Refs. 9, 10). The crystal diode D_1 of the type A2B (D2V) serves as a rectifier. In

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Lifetime measurement of ...

a certain delay interval there is a linear dependence of the amplitude between the pulses A and B at the outlet I, which is a function of the magnitude of the delay. The crystal diode D_2 serves as coincidence control model. A positive displacement blocks the cathodes of these diodes for certain pulses. The pulse spectrum is via the amplifier passed on to the pulse-height analyzer which records the coincidence curves to be analyzed. The operation of the instrument is demonstrated by the self-coincidence and prompt coincidence curves. A crystal 30 by 30 mm gave the best time resolutions, about $5 \cdot 10^{-10}$ sec. The resolution decreased with larger crystals and lower radiation energy. This is a reason for the deviations of the maximum time resolution, which are shown on the coincidence curves, that were found during the determination of the lifetime of the first excited states of Tb^{159} and Yb^{173} with energies of 58 resp. 79 kev. One of the factors, which causes the shift in time of the coincidence curves as a function of the time lag caused by the instrument, is a wrong selection of intensities of the sources to be compared. This selection and also the form of the spectra in the operation range can be controlled easily by means of the "control of

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Lifetime measurement of ...

single curves". This method is based on the analysis of single pulses which pass through the blocked diode of the rectifier due to the presence of a parasitic capacity (C) and the finitness of the reverse resistance of the diode. The following features must be observed in a proper preparation of the experiments: 1) The required energy intervals have to be roughly selected for the source to be examined; 2) The integral intensities to be measured have to be equal to that of the control source; 3) the windows of the side channels have to be adjusted so accurately that position and form of the single pulse are the same for the control source and the one to be examined. During tests these conditions have been fulfilled. The evaluation of the curves obtained (Fig. 6) yielded the following results for the half-life of the 58-kev level of Tb^{159}: $T_{1/2} = (1.3 \pm 0.4) \cdot 10^{-10}$ sec. According to Ref. 18 this value was: $T_{1/2} < 10^{-9}$ sec. The following values have been determined for the half-life of the 79-kev state of Yb^{173}: $T_{1/2} = (3.8 \pm 0.5) \cdot 10^{-11}$ sec. The two transitions examined are almost purely magnetic dipole transitions. Table 2 shows a comparison between the authors' data and those of other authors. It is pointed out that the g-

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Lifetime measurement of ...

factors for the collective rotation are, according to the authors, calculated to be $(g_R)_{Tb^{159}} = 0.44 \pm 0.10$ and $(g_R)_{Yb^{173}} = 0.35 \pm 0.04$. Within the limits of observation errors, these values agree with estimations of a generalized model ($g_R = Z/A$) for a homogenous charge distribution, which is 0.41 for the first case and 0.4 for the second case. There are 7 figures, 2 tables, and 32 references: 7 Soviet-bloc.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe Akademii nauk SSSR (Institute of Physics and Technology imeni A. F. Ioffe of the Academy of Sciences USSR)

Legend to Fig. 1: 1) Source; 2) photomultiplier; 3) tube limiter; 4) variable delay line; 5) converter control circuit for coincidence circuit; 6) cathode followers; 7) amplifiers; 8) differential discriminators; 9) triple coincidence switch; 10) constant delay; 11) pulse-height analyzer.
Legend to Fig. 2: A, B-coincid[redacted]pulses, Z_o-wave resistor of the variable delay lines D_1 and D_2 crystal diodes of the time-amplitude converter

Lifetime measurement of ...

and of the control coincidence circuit, resp. r time interval between D_1 and D_2, C - parasitic capacities I, II outlets to the cathode followers.

Fig. 1

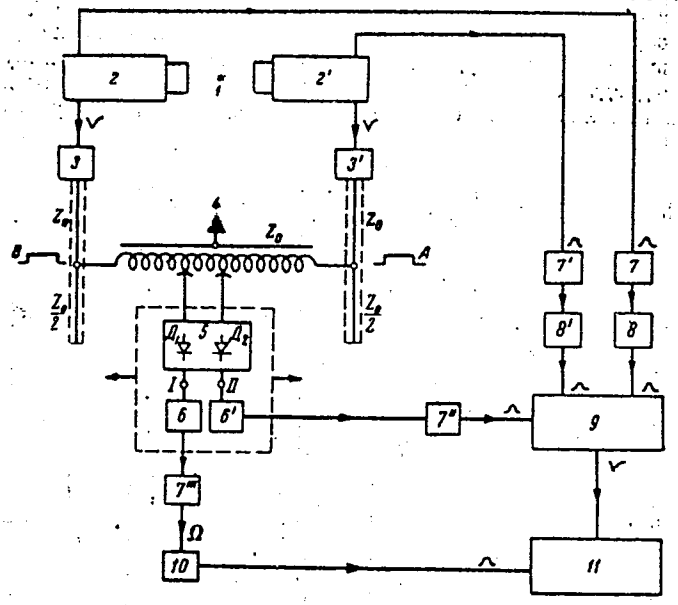

Fig. 1

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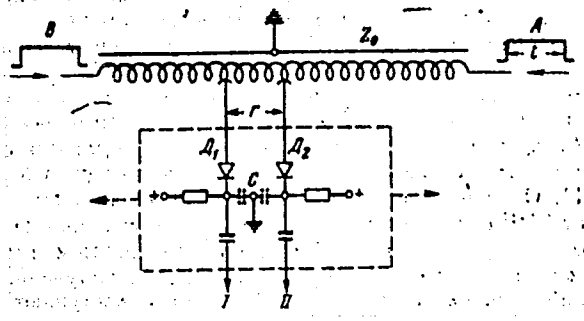
Fig. 2



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S/048/61/025/002/005/016
B117/B212

Lifetime measurement of

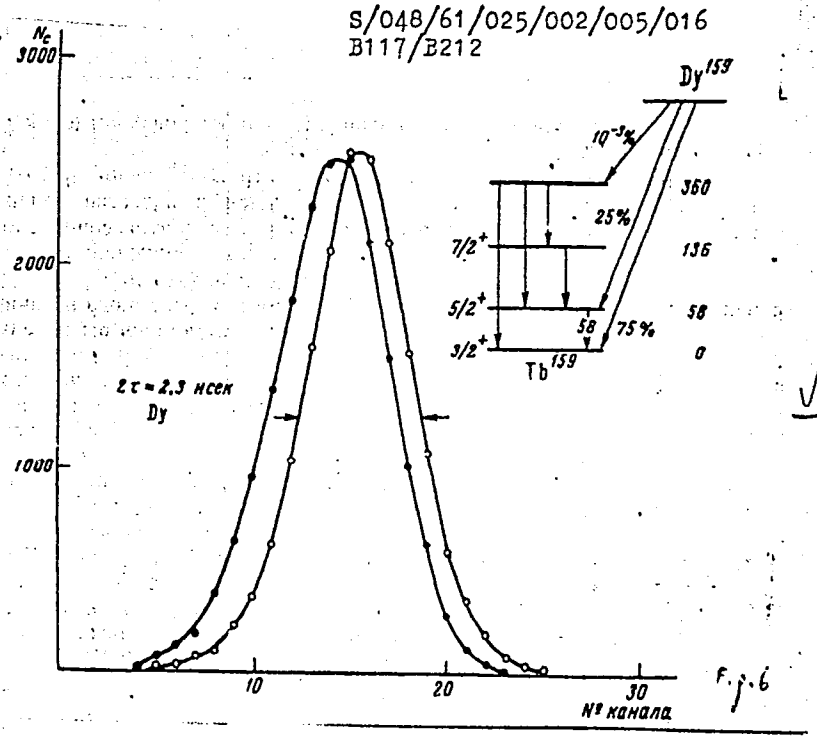

Fig. 6

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BONITS, M. P.

Dissertation defended for the degree of Candidate of Physicomathematical Sciences at the Technical Physics Institute imeni A.F. Ioffe in 1962:

"Determination of the Lifetime of Excited States of Nuclei in the Nano-Second Range Using a Multi-channel Analyzer."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

BERLOVICH, E.Ye.; BONITS, M.P.; GUSEV, Yu.K.; NIKITIN, M.K.

Probabilities of one-particle transitions in Yb^{173} nuclei. Izv.AN SSSR.Ser.fiz. 25 no.10:1275-1279 O '61. (MIRA 14:10)

1. Fiziko-tekhnicheskiy institut im. A.F.Ioffe Akademii nauk SSSR.
(Quantum theory) (Ytterbium)

LUKHIMOVICH, G.S.; KROL, Ya.M.; BONK, G.M.

Clinical X-ray diagnosis of central lung cancer with retrograde metastases. Vop.onk. 9 no.2:17-24'63. (MIRA 16:9)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey no.1 (nachal'nik - deystvitel'nyy chl[illegible] AMN SSSR prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(LUNGS--CANCER) (LUNGS--RADIOGRAPHY)
(METASTASIS)

NEMCHENKO, V.I.; BONK, G.M.; DAVYDENKO, V.A.

Role of X-ray examination in the detection of mitral insufficiency. Khirurgiia no.10:8-15 '64. (MIRA 18:8)

1. Klinika khirurgii usovershenstvovaniya vrachey No.1 (nachal'nik - prof. A.P.Kolesov) Voyenno-meditsinskoy Ordena Lenina akademii imeni Kirova, Leningrad.

KOLESOV, A.P., prof.; DAVYDENKO, V.A.; BONK, G.M.

Diagnosis and surgical treatment of benign tumors of the esophagus and cardia. Klin. khir. no.1:3-6 '65.

(MIRA 18:8)

1. Khirurgicheskaya klinika dlya usovershenstvovaniya vrachey No.1 Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

TOLUZAKOV, V.L. (Leningrad, K-9, ul. Smirnova, d.8, kv.53); KROL, Ya.M.; DAVYDENKO, V.A.; BONK, G.M.

So-called cavitary form of pulmonary cancer. Vop. onk. 10 no.5: 3-10 '64. (MIRA 18:8)

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey No.1 Voyenno-meditsinskoy akademii imeni Kirova (nachal'nik - prof. A.P.Kolesov).

TOLUBAROV, V.[illegible], DAVIDENKO, V.A., KROL, Ya.M., BONK, G.M.

Roentgenological evidences of the inoperability of pulmonary cancer. Vop. onk. 11 no.7:9-17 '65. (MIRA 18:9)

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey No.1 Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova (nachal'nik - prof. A.P. Kolesov).

NOVIKOV, F.G.; BONK, G.M.; [illegible]

Clinical X-ray diagnosis of postoperative herniation of the heart. Vest. rent. i rad. 40 no.3:59-61 My-Je '65.

(MIRA 18:7)

1. Khirurgicheskaya klinika usovershenstvovaniya vrachey No.1 (nachal'nik - prof. A.P. Kolesov) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

S/137/62/000/004/109/201
A052/A101

AUTHORS: Pzhegalinski, S., Bonk, R., Voynarovski, Ya.

TITLE: The effect of Ni content on the fatigue strength of structural steels

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 47, abstract 4I276 ("Ustalostn. prochnost' mater. i elem." Mater. konf. v Varshave 12-14 maya 1960 g., Varshava, 1961, 13-14)

TEXT: The fatigue strenth of three Polish-made structural steels was investigated: 35ХМ(35KhM) (0.15 - 0.4% Ni), 35ХНМ (34KhNM)(1.3 - 1.7% Ni) and 35ХН3МА (35KhNZMA)(2.5 - 3.0% Ni). It is maintained that Ni content does not improve the fatigue strength of steel. For manufacturing machine elements working under variable load conditions it is not mandatory to use steels with a high Ni content, but it is necessary to use them for elements with large cross-sections, since an addition of Ni facilitates obtaining a uniform tempered martensite structure over the whole cross-section.

T. Rumyantseva

[Abstracter's note: Complete translation]
Card 1/1

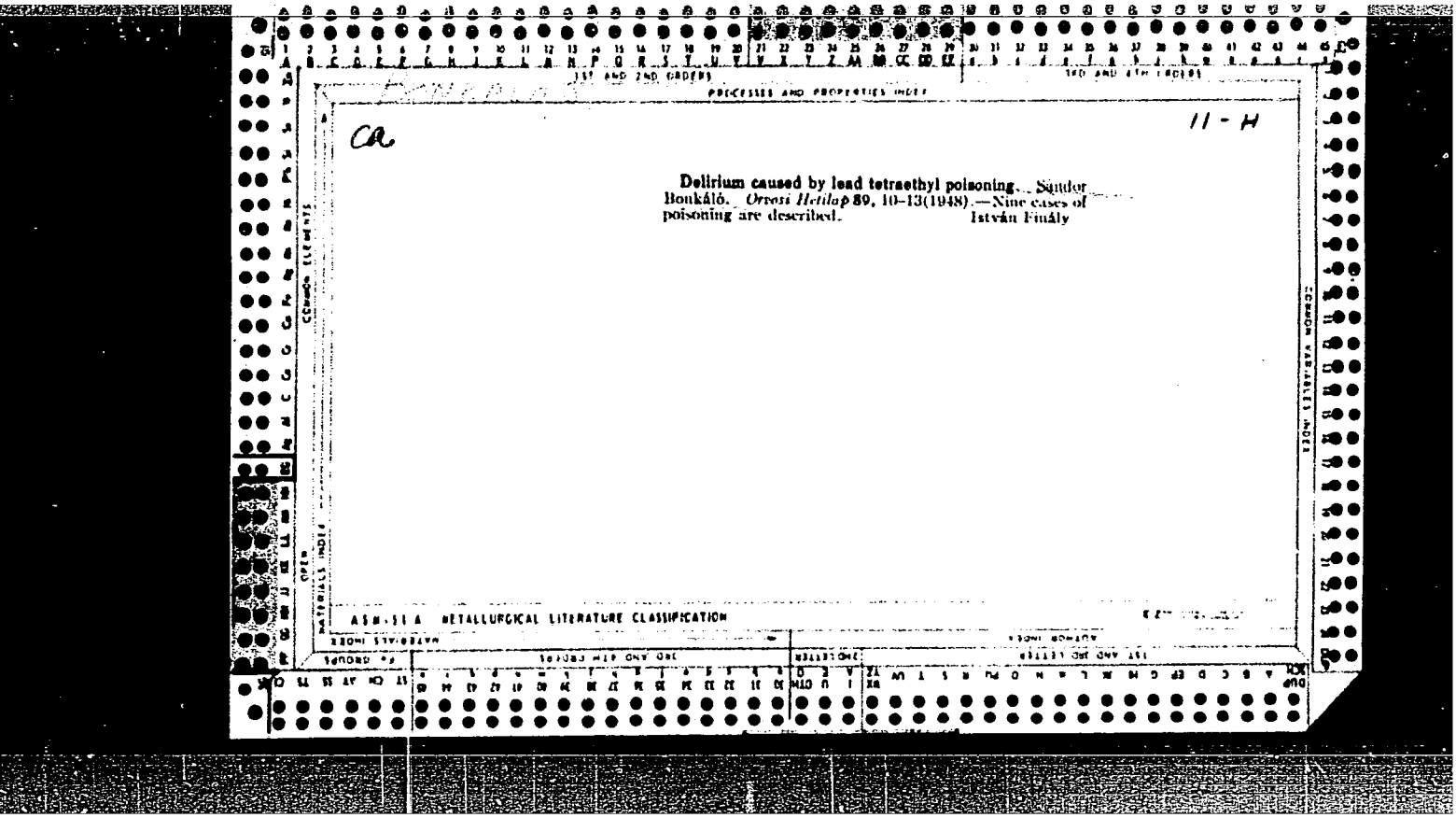
Preparation and feeding of fedder Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954. 404p.
(V po-moshch'zootekhniku na proizvodstve)

1. Feeding and feeding stuffs.

BONKA, P.V., vet. vrach.

Effective agent for controlling Argas persicus ticks, carriers of fowl spirochetosis. Veterinariia 35 no.6:53 Je '58. (MIRA 11:6)

1. Konzavod No.76 Samarkandskoy oblasti.
(Ticks as carriers of disease)
(Benzene hexachloride)

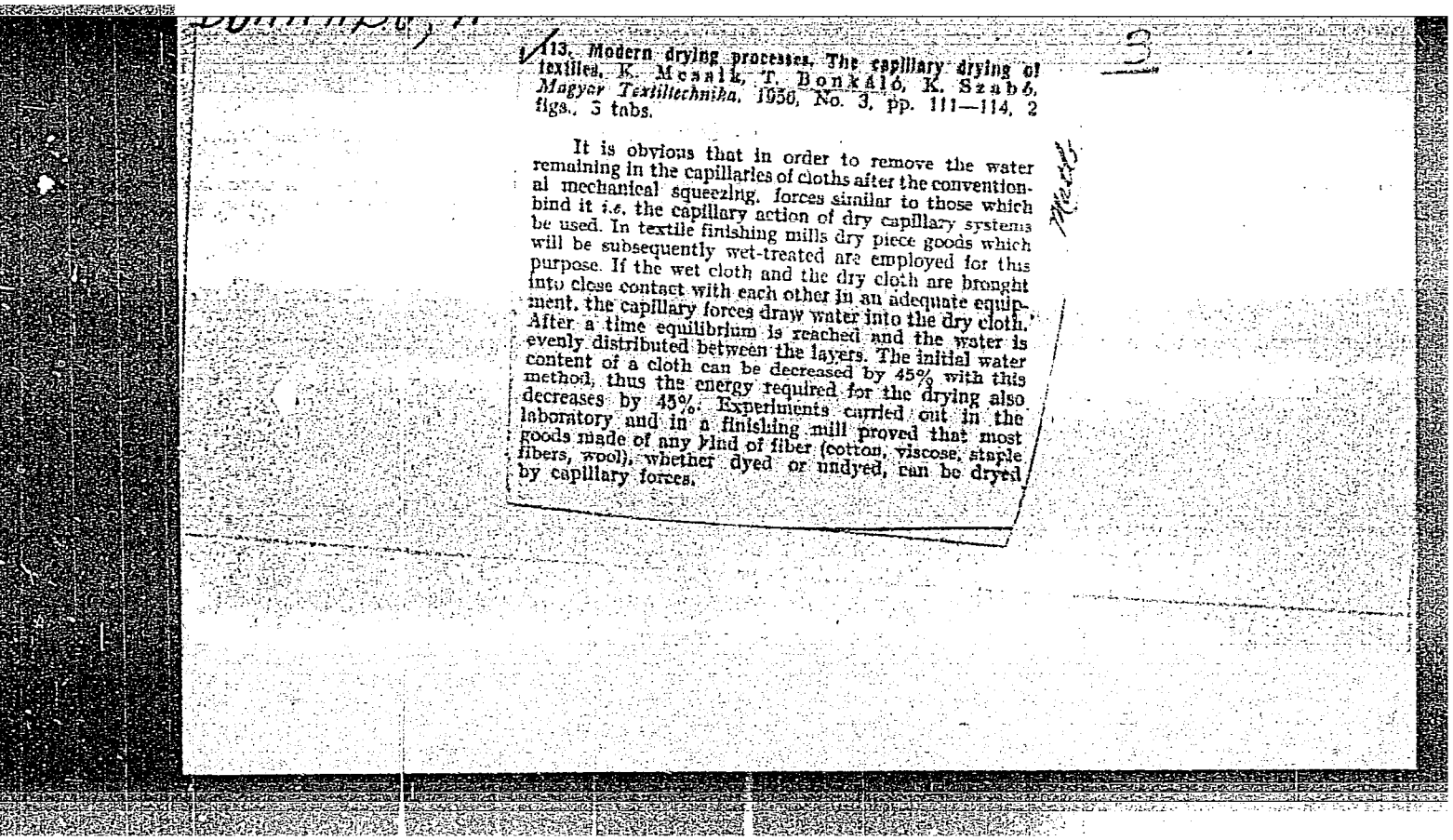


Delirium caused by lead tetraethyl poisoning. Sándor Bonkáló. *Orvosi Hetilap* 89, 10–13(1948).—Nine cases of poisoning are described. István Finály

BOTTALO, T.

"Effect of Modern Procedure in Textile Chemistry on Power Economy", p. 431, (MAGYAR ENERGIAGAZDASAG, Vol. 7, No. 9, September 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.



113. Modern drying processes. The capillary drying of textiles. K. Mesnik, T. Bonkáló, K. Szabó, *Magyar Textiltechnika*, 1950, No. 3, pp. 111—114, 2 figs., 3 tabs.

It is obvious that in order to remove the water remaining in the capillaries of cloths after the conventional mechanical squeezing, forces similar to those which bind it *i.e.* the capillary action of dry capillary systems be used. In textile finishing mills dry piece goods which will be subsequently wet-treated are employed for this purpose. If the wet cloth and the dry cloth are brought into close contact with each other in an adequate equipment, the capillary forces draw water into the dry cloth. After a time equilibrium is reached and the water is evenly distributed between the layers. The initial water content of a cloth can be decreased by 45% with this method, thus the energy required for the drying also decreases by 45%. Experiments carried out in the laboratory and in a finishing mill proved that most goods made of any kind of fiber (cotton, viscose, staple fibers, wool), whether dyed or undyed, can be dryed by capillary forces.

GOSZTONYI, Sandor; LEHR, Ferenc, a muszaki tudomanyok kandidatusa; FICHTNER, Kurt; MARECKI, Jacek, prof., dipl. ing. (Lengyelorszag); WRESNIOWSKI, Romuald; BURSZTYNSKI, Janusz; HUBNER, Ewald; KIEFER, Erich; BOIE, Werner, prof., dr. ing. (Nemet Demokratikus Koztarsasag); BOSNIC, Cedomir (Jugoszlavia); ZILBER, Aleksander (Lengyelorszag); GRUBER, S.M. (Anglia); STANCESZKU, Ian, prof. (Romania); BONKALO, Tamas, dr.; ENDRENYI, Sandor; KATONA, Kalman; KOHARY, Lajos

Rationalization in power utilization in the field of the light industry. Ipari energia 3 no.1/2:32-38 Ja-F '62.

1. Konnyuipari Miniszterium helyettes foosztalyvezetoje (for Gosztonyi). 2. Konnyuipari Tervezo Iroda (for Lehr). 3. Textilipari Kutato Intezet (for Bonkalo). 4. Papiripari Kutato Intezet (for Endrenyi).

BONKALO, Tamas, dr.

Finishing industry automatic devices at the 47th Hannover Textile Machinery Fair. Magy textil 16 no. 4:191-192 Ap '64.

BON-KHVAR, FAN

Quinones. III. Synthesis of substituted benzodifurans by the reaction of *p*-benzoquinone and toluquinone with acetoacetic ester. A. P. Terent'ev, A. N. Grinev, and Fan Bon-Khvar (Moscow State Univ.). *Zhur. Obshchei Khim.*, 24, 2050–7(1954); cf. *C.A.* 49, 12353c.—To 28 g. $ZnCl_2$ in 28 g. abs. EtOH was added 39 g. $AcCH_2CO_2Et$, followed by addn. over 5–10 min. with external heating of 21 g. *p*-benzoquinone. After stirring 45 min. on a steam bath and standing several hrs. at room temp. the mixt. yielded 70% *di-Et 2,6-dimethylbenzo[1,2-b, 4,5-b']difuran-3,7-dicarboxylate*, m. 184°, while the mother liquor gave 6.5 g. benzofuran deriv., m. 137° [cf. Pechmann, *Ber.* 21, 3005(1888); Braebe and Levy, *Ann.* 283, 245(1894)]. Hydrolysis of the above ester with alc. NaOH gave the free dicarboxylic acid, which (2 g.) heated with 4.5 g. quinoline and 0.1 g. CuO 2 hrs. at 240–2° gave 1.2 g. pure *2,6-dimethylbenzo[1,2-b, 4,5-b']difuran*, m. 113–14° (from EtOH). Similar reaction of toluquinone with $AcCH_2CO_2Et$ gave 60% *di-Et 2,4,6-trimethylbenzo[1,2-b, 4,5-b']difuran-3,7-dicarboxylate*, m. 120–2°, along with 1 g. benzofuran deriv., m. 173° (cf. above refs.). Hydrolysis of the ester gave the free acid which heated with quinoline and CuO as above gave from 0.7 g. acid 0.3 g. *2,4,6-trimethylbenzo[1,2-b, 4,5-b']difuran*, m. 70–1.5° (from EtOH).

G. M. Kosolapoff

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(2)

GRINEV, A.N.; BON-KHVAR, Pan.; FROSIN, V.N.; TERENT'YEV, A.P.

Research in the field of quinones. Part 8. Condensation of chloro- and 2,3-dichloro-p-benzoquinone with acetoacetic and benzoylacetic esters. Zhur.ob.khim. 26 no.2:561-564 F '56. (MLRA 9:8)

1. Moskovskiy gosudarstvennyy universitet.
(Benzoquinone) (Acetic acid)

BONKOWICZ, J.

Wandering over our native country; a discussion. p. 10.
No. 10, Oct., 1955. TURYSTA. Warsaw, Poland.

So: Eastern European Accession. Vol 5, no. 4, April 1956

J-

BONKOWICZ-SITTAUER, J.

Let us get busy with the pulp. p. 129

GAZETA CUKROWNICZA. (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Przenyslu Rolnego i Spozywczego i Centralny Zarzad Przenysiu Cukrowniczego) Warszawa, Poland. Vol. 61, no. 4, April 1959.

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

Uncl.

BONNACCI, B.

Application of the chain system in the building of roads; a brief excerpt from a report to the 4th Congress. p. 24.

Periodical: PUT I SAOBRACAJ.

Vol. 4, no. 12, Dec. 1958.

TECHNOLOGY

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, No. 4
April 1959, Uncl.

ABBADIE, Jean (Franta); BONNAURE, Andre (Franta); LUANDE, H.M.; VASQUEZ, Marcos

Struggle of the workers in the capitalist countries, opinions of some overseas visitors in Rumania. Munca sindic 7 no.6:55-58 Je '63.

1. Membru al biroului Federatiei sindicatelor din posta, afiliata la Confederatia Generala a Muncii (for Abbadie). 2. Secretar al Uniunii sindicatelor Force Ouvriere din regiunea parisiana (for Bonnaure). 2. Presedinte al Congresului sindicatelor din Uganda (for Luande). 4. Presidinte al Comitetului sindicatelor din provincia Valparaiso-Chile (for Vasquez).

SHEMIAKINA, T.V.; CHEKHARINA, Ye.A.; BONNER, R.L.

Clinical characteristics of the functional state of the mucous membrane of the stomach in cancer. Trudy Inst. onk. AMN SSSR no.3:103-111 '60 (MIRA 16:12)

1. Iz I khirurgicheskogo otdeleniya (zav. - chlen-korrespondent AMN SSSR prof. S.A.Kholdin), II Khirurgicheskogo otdeleniya (zav. - prof. A.I.Rakov) i rentgenologicheskogo otdeleniya (zav. - prof. L.M.Gol'dshteyn) Instituta onkologii AMN SSSR.

BONNERT, R.

TECHNOLOGY

PERIODICAL: INDUSTRIA TEXTILE, Vol. 9, no. 11, Nov. 1958

BONNERT, R. Dimensioning air-conditioning installations. p. 425

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4
April 1959, Unclass

BONOPARTOV, G.I.

New method of polishing the working parts of cultivators.
Sel'khozmashina no.5:27-28 My '55. (MLRA 8:6)
(Cultivators) (Grinding and polishing)

BONOV, A.

Bonov, A., Malcheva-Popova, M., "The Perseids During 1951." p.135 (GODISHNIK, MATEMATIKA I FIZIKA, Vol. 47, No. 1, Pt. 2, 1950/51-1951/52, Sofiya.)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress, March 1954, Uncl.

BONOV, A.

"New Method for Determining Latitude by Two Observations of a Polestar." p.211
(GODISHNIK, MATEMATIKA I FIZIKA, Vol. 47, no. 1, 1950/51-1951/52, Sofiya.)

SO: Monthly List of ~~Russian~~ Accessions/ East European Vol. 3, No. 3 Library of Congress, March 1954 ~~1953~~, Uncl.

BONOV, A.

Determination of latitude by two observations of a star in unknown moments, p. 87, Sofia. Universitet. Fiziko-matematicheski fakultet. GODISHNIK. MATEMATIKA I FIZIKA. Sofiya. Vol. 48, no. 1 1953/54.

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 5, no. 8, August 1956

BONOV, A.

Lyriads in 1952. p. 101. Sofia. Universitet. Fiziko-matematicheski fakultet. GODISHNIK. MATEMATIKA I FIZIKA. Sofiya. Vol. 48, no. 1 1953/54.

SOURCE: East European Accessions List, (EEAL) Library of Congress. Vol. 5, No. 8, August 1956

BONOV, Angel

*Malcheva-Popova, M. and Bonov, Angel D., Meteornliat potok Perseidi prez 1953 g. [The Perseid meteor shower of 1953.] *Bulgarska Akademiia na Naukite, Sofia, Izvestiia, Otdelenie za Fiziko-Matematicheski i Tekhnicheski Nauk, Seriia Fizicheska,* 4:269-291, 1954. 3 figs., 6 tables. Russian and French summaries p. 290-291. DLC—Tables and graphs give results and analysis of 515 meteors observed during 1953 at Sofia. 315 were during the Perseid shower. *Subject Headings:* 1. Meteor showers 2. Sofia, Bulgaria.—*M.R.*

BONOV, A.

On the 22-year cycle of solar activity. p. 209.

GODISHNIK. MATEMATIKA I FIZIKA. Sofiia, Bulgaria, Vol. 50 No. 1 1955/56 (Published 1957)

Monthly List of East Accession (EEAI) LC, Vol. 9, No. 1 January 1960

Uncl.

BONOV, Angel, starshi asistent po. satronomiia

What time is it? The hour system, and the line of date change. Nauka i tekh mladezh no.9:23-24 S '57.

80403
SOV/169-59-4-4042

3.1540

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 4, p 124 (USSR)

AUTHOR: Bonov, A.D.

TITLE: On the 22-Year Cycle of the Solar Activity

PERIODICAL: Byul. Vses. astrono.-geod. o-va, 1958, Nr 21, pp 33 - 36

ABSTRACT: The author discusses the 22-year solar cycles for a period starting in 1610 and computes for two events the period T of the cycles, the time t between two maxima and the time τ between the minima; in the first event, the cycle has an even number, and in the second case an odd number. The correlation coefficient $r_{T,t}$ between T and t and T and τ turned out to be considerably greater for the first event. For example, it is $r_{T,t} = + 0.94$ for the first event and $r_{T,t} = + 0.59$ for the second event. Empiric formulae are given for the connection between T and t and T and τ for the Hale cycles with the first even cycle: $\lg T = 1.178 + 0.015\, t$, $\lg T = 1.061 + 0.025\,\tau$. Designating by W_M'' the Wolf numbers in the period of the maximum of the second 11-year cycle in the 22-year cycle, the author found the correlation

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On the 22-Year Cycle of the Solar Activity

between W''_M and t and W''_M and τ; this correlation too turned out to be considerably greater for the first event. The analogous empiric formulae are found: $\lg W''_M = 3.63 - 1.57 \lg t$, $\lg W''_M = 4.26 - 2.19 \lg \tau$. Based on the above-mentioned formulae a forecasting can be done for the second 11-year cycle of the solar activity in the 22-year cycle after the termination of the first 11-year cycle. Applying these formulae to the present Nr. 19 cycle, the author obtains a duration of 20.7 years for the present 22-year cycle, the end of the 11-year cycle, Nr 19, in 1965, its duration of 10.5 years, and $W''_M = 134$.

T.L. Mandrykina

4

BONOV, Angel D.

The flight to the moon. Spisanie BAN no.4:48-55 '59. (EEAI 9:11)
(Space flight) (Moon) (Rockets)

38813

S/035/62/000/006/027/064
A001/A101

3,154

AUTHOR: Bonov, A. D.

TITLE: Comparison of time intervals between maxima of neighboring 22-year cycles of solar activity

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 6, 1962, 59, abstract 6A443 ("Solnechnyye dannyye", 1961, no. 3, 56-58)

TEXT: The author investigates the problem of the structure of time intervals between maxima of two consecutive 22-year cycles. For this purpose, 22-year cycles were formed by grouping 11-year cycles into pairs (starting from cycle No. 12 according to Zurich numeration). These pairs were grouped, in their turn, in pairs by two ways. In the first way, every 22-year cycle was begun with an even 11-year cycle, in the second way - with an odd cycle. Time intervals between maxima of 11-year cycles comprising 22-year cycles are denoted by t' and t'' respectively; then the author obtains that in the first way of grouping, when every 22-year cycle starts from an even 11-year cycle, the ratio $(t'/t'') > 1$. This means that duration of time interval between maxima of two

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A001/A101

Comparison of time intervals ...

11-year cycles, comprising in pair the second 22-year cycle, is less than duration of 11-year cycles comprising the first 22-year cycle in this pair. In formation of 22-year cycles, when each of them was begun with an odd 11-year cycle, this rule is not valid. The value of t'/t" can be in this case both more and less than unity, whereas in grouping by the first method t'/t" is more than 1 throughout the entire interval 1610.8 - 1878.9. For the later 11-year cycles, starting from cycle No. 12, t'/t" becomes less than unity. The author ascribes this to a "supersecular" solar cycle.

B. Rubashev

[Abstracter's note: Complete translation]

Card 2/2

BONOV, Ang. D., starshi asistent po astronomiia

Noteworthy astronomical events in 1962. Priroda Bulg 11 no. 1:48-49 Ja-F 62.

BONOV, Angel D.

Variation in certain meteorologic elements at Sofia during the total solar eclipse of February 15, 1961. Godishnik fiz mat 56 no.2:89-92 '61/'62 [publ. '63].

BONOV, Angel D.

Solar activity and observations of the sun during the International Year of Calm Sun. Priroda Bulg 12 no. 5: 3-5 S-O '63.

BONOV, A. D., starshi nauchen sutrudnik

Some noteworthy astronomical phenomena of 1963. Priroda Bulg 12 no. 1: 37-39 Ja-F '63.

BONOV, Angel D., st. n. sutr.

Observation of the full lunar eclipse of June 24-25, 1964 in Sofia. Priroda Bulg 13 no.5:77 S-O '64.

BONOV, Angel D., st. n. sutrudnik

Ingeresting astronomical phenomena in 1965. Priroda Bulg 13 no.6:35-37 N-D '64.

BONOV, Ts.

"Basic Fertilization; From the Experiences of the Cooperative Farm in the Village of Belene, Svishtov Okoliya."

p. 21 (Kooperativno Zemedelie, No. 7, July 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11, Nov. 1958

BONGKOVSKIY, V. F.

Bonghovskiy, V. F. - "The structure of the earth's crust," Vestnik Mosk. un-ta, 1948, No. 11, p. 115-22

So: U-3566, 15 March, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)