"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

COUNTRY : Rumania
CATEGORY :

ABS. JOUR. : RZKhim., No. 1959, No. 87837

AUTHOR : Blum, I.; Birca-Galateanu, D.; Nistor, I.
INST. :
TITLE : Preliminary Study by the Method of Infrared Spectrography of Brown Coal from Deposits in Banat and Jiu Valley (Rumania)
ORIG. PUB. : Rev. chim., 1958, 9, No 11, 613-617

ABSTRACT : A study was made of chemical structure of two varieties of Rumanian coal of different degree of metamorphism (C^{g} 85.24 and 79.58%), and of their extracts in $CHCl_3$ after thermal treatment at 418° and 386°, which correspond to maximum yield of extract. No substantial differences were found between chemical structure of coal and that of the extract. -- G. Bonvech.

CARD:

225

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BÎRCĂ - GĂLĂTEANU, D.

The infrared spectra of trichloroaniline and tribromoaniline. D. Bîrcă-Gălăteanu. *Rev. phys., Acad. rép. populaire Roumaine* 4, 25-31(1959)(in German).—The absorption bands of 2,4,6-trichloroaniline and 2,4,6-tribromoaniline in the spectral range from 1.2 to 12 μ are reported and the frequency assignments discussed. By comparison with the spectra of monosubstituted anilines, the bands characteristic of the NH_2-group and the C_6H_6 ring are displaced towards lower frequencies. The displacement is very little affected by the nature of the substituent. The position of the bands characteristic of the C-N group is affected neither by the no., nor by the nature of the substituents.

S. Alexander

3
1-JG (NA)

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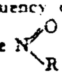
"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

Distr: 4E3d

The vibrational spectra of some aromatic nitroso derivatives. II. D. Bica-Călăteanu, L. Arcan, and C. Lupu. Acad. rep. populare Romîne, Inst. fiz. atomică și [illegible]. Studii cercetări fiz. 10, 417-27 (1959); cf. Rev. phys. Acad. populaire Roumaine 4, No. 2 [illegible] 1959. The absorption bands [illegible] [illegible] [illegible] cm⁻¹ and indicate the presence of both monomeric and dimeric forms of these compds. In the spectra of solid I and of solns. of I and II in CS_2 and C_2Cl_4, the fundamental vibration of the NO group was found between 1490 and 1530 cm⁻¹ for the monomer and at about 150[illegible] cm⁻¹ less for the dimer. The frequency of the vibration assocd. with the deformation of the  group was about one-half of that of the fundamental NO vibration. Finally, the frequency of the CN vibration was between 1070 and 120[illegible] cm⁻¹ for the monomer and at about 1000 cm⁻¹ less for the dimer.

S. A. [illegible]

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCA-GALATEANU, D.

Oscullation spectrum of some nitroso derivatives. Note 1. β-nitroso-α-naphthol. Studii cerc fiz 11 no.1:13-18 '60. (EEAI 10:1)
(Nitroso group) (Nitrosonaphthol)
(Spectrum analysis)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCA-GALATEANU, D.

The infrared spectra of some anilines. Rev chimie 7 no. 1: 51-57 '62.

1. Polytechnisches Institut Bukarest.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

3

ROMANIA

BLUM, I.; BIRCA-GALATEANU, D.; NISTOR, I.; AMCAN, L.

Bucharest, Revue d'Electrotechnique et d'Energétique, No 1, Série B, 1963, pp 103-111

"The Infrared Spectrum of Bituminous Coal of the Valea Jiului."

4

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCA-GALATEANU, D.; DEMETRESCU, Catalina; ELIAN, M.; MANTOIU, Lucia

The infrared spectra of some substituted hydrazides derived from furylacrylic acid. Studii cerc chim 11 no.2:225-237 '63.

1. Institutul Politehnic, Bucuresti.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCA-GALATEANU; DEMETRESCU, Catalina

Infrared spectra of some new cyanoacetylhydrazide derivatives.
Rev chimie Roum 9 no.3:204-214 Mr '64.

1. Polytechnic Institute, Bucharest, Str. Polizu 1.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCA-GALATEANU, D.; DEMETRESCU, Catalina

Infrared spectra of some new derivatives of cyanacetylhydrazide.
Studii cerc chim 12 no. 3;221-231 Mr '64.

1. Polytechnic Institute, Bucharest.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCA-GALATEANU, D.; CHIRITA, C.; DENETNESCO, Catalina; MARTIN, A.

Spectroscopic synthesis and analysis in the infrared of the structure of new diaryl sulfone-hydrazidones with anti-tuberculosis effect. Rev chimie Roum 10 no.1:83-95 Ja '65.

1. Laboratory of Physics of the Polytechnic Institute, Bucharest, and Laboratory of Organic Chemistry of the Institute of Medicine and Pharmacy, Bucharest, 19-21 Al. Sahia Street. Submitted July 4, 1964.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCA-GALATEANU, D.; CHIRITA, C.; DEMETRESCU, Catalina; MAVRODIN, Al.

Synthesis and infrared spectroscopic study of the structure of some new diarylsulfone-hydrazidones with an antituberculous action. Studii cerc chim 14 no.1:83-94 Ja '65.

1. Laboratory of Physics of the Polytechnic Institute, Bucharest, and Laboratory of Organic Chemistry of the Institute of Medicine and Pharmacy, Bucharest. Submitted July 4, 1964.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

U

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhBiol., No. 23 1958, No. 107045

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : refractoriness. Hormonal preparations were administered in large doses (100 mg of ACTH, 400 mg of cortisone or 1 mg/kg of ultracortin daily). Aminopterin in doses of 0.25-0.5 mg was administered to patients after remission was obtained. Aleukemic forms of leucosis did not appear as a contraindication to antimetabolite therapy. Three children suffering from chronic leukemia were submitted to therapy with myleran (0.06 mg/kg daily); in one child remission was obtained, lasting for

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCAK,J.; NIKS,M.; STEINER,J.; HULIN,I.; technicka spolupraca:KOLESAROVA,V.

Functional capacity of the cardiopulmonary system in adolescence. III. Effect of work stress on some basic indices of blood circulatory efficiency. Bratisl.lek.listy 2 no.9: 541-558 '63.

1. Katedra pediatrie I. Lek. fak. Univ.Komenskeho v Bratislave (veduca: prof. MUDr. I.Jakubcova) a Oddelenie klinickej patofyziologie pri katedre experimentalnej patologie a farmakologie (veduci katedry: doc. MUDr. E.Barta, C.Sc.).

*

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCAK,J.; NIKS,M.; Technicka spolupraca: [redacted] V.

Functional efficiency of the cardiopulmonary system during the period of adolescence. V. Effect of the work load on ventilation. Bratisl. lek. listy 2 no.12:701-709 '63.

1. Katedra padiatrie I. Lek.fak. Univ. Komenskeho v Bratislave (veduca: doc. MUDr. I.Jakubcova) a Oddelenie klinickej patofyziologie pri Katedre experimentalnej patologie i farmakologie, (veduci katedry: doc. MUDr. E. Barta CSc.

*

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCAK, J.; NIKS, M.; HULIN, I.; STEINER, J.; technicka spolupraca KOLESAROVA, V.

Functional capacity of the cardiopulmonary system in adolescence. II. Evaluation of the mechanism of ventilation by the method of detailed expiration. Bratisl. Lek. Listy 43 no.2:65-76 '62.

1. Z I. detskej kliniky Lek. fak. Univ. Komenskeho v Bratislave, veduca doc. MUDr. I. Jakubcova, a z Ustavu experimentalnej patologie Lek. fak. Univ. Komenskeho v Bratislave, veduci doc. MUDr. E. Barta, C. Sc.

(RESPIRATION physiol) (ADOLESCENCE)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

VERNER, M.; BIRCAK, J.; STEINER, J.

Some psychological problems of adolescents. Cesk. pediat. 17 no.7/8: 638-641 Ag '62.

1. I. detska klinika Lekarskej fakulty Univerzity Komenskeho v Bratislave, prednosta doc. dr. I. Jakubcova.
(ADOLESCENCE) (CHILD PSYCHOLOGY)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCAK, J.; NIKS, M.; HULIN, I.; STEINER, J.; technicka spoluprace KOLESAROVA, V.

Functional capacity of the cardiopulmonary system in adolescents. Bratisl. Lek. Listy 42 no.2:671-682 '62.

1. Z I. detskej kliniky Lek. fak. Univ. Komenskeho v Bratislave, veduca doc. MUDr. I. Jakubcova, a z Ustavu experimentalnej patologie Lek. fak. Univ. Komenskeho v Bratislave, veduci doc. MUDr. E. Barta, C.Sc.
(SPIROMETRY in adolescence)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

NIKS,M.; BIRCAK,J.; DEMKO,M.; BACINSKY,M.

Evaluation of mechanical ventilation by the Tiffeneau test in children during puberty. Bratisl. lek. listy 2 no.10:583-589 '63.

1. Oddelenie klinickej patofyziologie pri Katedre experimentalnej patologie a farmakologie Lek.fak. Univ. Komenskeho v Bratislave (veduci katedry doc. MUDr.E.Barta, C.Sv.) a Katedra pediatrie I. Lek. fak. Univ. Komenskeho v Bratislave, (veduca: doc. MUDr.I.Jakubcova).

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIROAK, J.; NIKS, M.

Interrelations between some somatic indices in children during the puberal period. Bratisl. lek. listy 44 no.8:495-501 '64.

1. Katedra pediatrie I. Lek. fak. Univerzity Komenskeho v Bratislave (veduca prof. MUDr. I.Jakubcova) Oddelenie klinickej patofyziologie pri Katedre experimentalnej patologie lek. fak. Univerzity Komenskeho v Bratislave (veduci katedry doc. MUDr. E. Barta, CSc.).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCAK,J.; NIKS,M.; JENCA,G.

Anthropometric values in children training for ice skating. Bratisl. lek. listy 44 no.11:670-677 D 15 '64

1. Katedra pediatrie I Lek. fakulty Univerzity Komenskeho v Bratislave (veduca - prof. MUDr. I.Jakubcova); Oddelenie klinickej patofyziologie pri Katedre experimentalnej patologie Lek. fakulty Univerizty Komenskeho v Bratislave (Veduci katedry - doc. MUDr. E. Barta, CSc.) a Katedra internej mediciny I. Lek. fakulty Univerizty Komenskeho v Bratislave (veduci - prof. MUDr. M. Ondrejicka).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCAK,J.; NIKS,M.; JENCA,G.

Physical efficiency in children training for ice skating. Bratisl. lek. listy 44 no.12:707-713 D 31 '64

1. Katedra pediatrie I. lek. fakulty Univerzity Komenskeho v Bratislave (veduca prof. MUDr. I.Jakubcova); Oddelenie klinickej patofyziologie pri Katedre experimentalnej patologie lek. fakulty Univerzity Komenskeho v Bratislave (veduci katedry - doc. MUDr.E.Barta, CSc.,) a Katedra internej medicíny I lek. fakulty Univerzity Komenskeho v Bratislave (Veduci - prof. MUDr.M. Ondrejicka).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCAK,J ; NIKS,M.; STEINER,J.; HULIN,I.; RIECANSKY,I.; Tech. spolupr. KOLESAROVA,V

Functional efficiency of the cardiopulmonary system during the period of adolescence. IV. Relation of physical performance to some somatic indices. Bratisl. lek. listy 2 no.11:637-648 '63.

1. Katedra pediatrie I. Lek. fak. Univ. Komenskeho V Bratislave; (vedouca:doc. MUDr. I.Jakubcova) a Oddelenie klinickej patofyziologie pri Katedre experimentalnej patologie a farmakologie, Lek.fak. Univ. Komenskeho v Bratislave (vedouci katedry: doc. MUDr. E.Barta, C.Sc.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

FISCHOVA, A.; STEINER, J.; BIRCAK, J.; LICKO, T.

Renovascular hypertension in a 10-year-old child. Bratisl. lek. listy 45 no.8:510-513 31 O '65.

1. Katedra pediatrie I Lekarske fakulty Univerzity Komenskeho v Bratislave (veduca prof. MUDr. I. Jakubcova) a II. chirurgicka klinika Lekarske fakulty Univerzity Komenskeho v Bratislave (veduci akademik K. Siska).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCAK, J.; NIKS, M.; HUDAKOVÁ, G.; JANOVJAKOVA, E.

The heart volume of healthy children in adolescents. Bratisl. lek. listy 45 no.11:649-664 15 D '65.

1. Katedra pediatrie I Lek. fak. Univerzity Komenskeho v Bratislave (veduca prof. MUDr. I. Jakubcova), Oddelenie klinickej patofyziologie pri Katedre experimentalnej patologie Lek. fak. Univerzity Komenskeho v Bratislave (veduci katedry doc. MUDr. E. Barta, CSc.) a Ustav zdravotnickej statistiky v Bratislave (riaditel prom. ekonom S. Estok).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCAK, J.; NIKS, M.; HUDAKOVA, G.; RIECANSKY, I.; DROBNY, M.

Relation of the heart volume to physical working capacity in healthy puberal children. Bratisl. lek. listy 45 no.12:727-738 31 D '65.

1. Katedra pediatrie I Lekarske fakulty Univerzity Komenskeho v Bratislave (veduca prof. MUDr. I. Jakubcova), Oddelenie klinickej patofyziologie pri katedre experimentalnej patologie Lekarske fakulty Univerzity Komenskeho v Bratislave (veduci katedry doc. MUDr. E. Barta, CSc.) a Ustav zdravotnickej statistiky v Bratislave (veduci prom. ekonom S. Estok).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

DUBAY, L.; BIRCAKOVA, M.

Effect of erythrocytes on the level of penicillin potassium salt. Bratisl. lek. listy 34 no.8:851-858 Aug 54.

1. Z Ustavu lekarskej mikrobiologie LFSU v Kosiciach, prednosta doc. dr. L.Dubay.

(ERYTHROCYTES,
eff. on penicillin potassium salt)
(PENICILLIN,
potassium salt, eff.of erythrocytes)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

MILENKOVIC, S.; TEOFILOVSKI, C.; DIZDAR, Z.; BIRCANIN, Lj.

A new procedure for the production of the carrier-fre ^{35}S. Bul Inst Nucl 12:88-96 O '61.

1. The Institute of Nuclear Sciences "Boris Kidrich," Hot Laboratory Department, Vinca. 2. Membre of the Editorial Board and Editor, "Bulletin of the Institute of Nuclear Sciences 'Boris Kidrich'" (for Dizdar).

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JELIC, Nikola, dipl. fiz. hem., saradnik (Beograd, Zahumska 28b); BULOVIC, Vlastimir, saradnik; BIRCANIN, Ljubisa, saradnik; VOJNOVIC, Jelisaveta, saradnik

Production of ^{204}Tl source for radiographic purposes. Tehnika Jug 18 no.9:Suppl.:Radioizotopi zrac 2 no.9:1617-1619 S '63.

1. Laboratorija za hemiju visoke aktivnosti Instituta za nuklearne nauke "Boris Kidric", Beograd-Vinca.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCHANSKAYA, L.

Chicken factory. Znan. sila 36 no. 2:8-9 F '61. (MIRA 14:5)
(Poultry plants)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

SVOBODA, G.; BIRCHENKO, A.

Experimental work on obtaining compact asbestos slate using a new forming method. Stroi. mat. 4 no.8:35 Ag '58. (MIRA 11:9)

1.Tekhnicheskiy rukovoditel' Sterlitamakskogo shifernogo zavoda Sterlitamakskogo zavoda (for Birchenko) 2.Zamestitel' nachal'nika Otdela tekhnicheskogo kontrolya (for Svoboda).
(Asbestos) (Roofing)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCHENKO, L.A.

BIRCHENKO, L.A.

Problem of surgery in advanced and long-standing primary glaucoma. Oft.zhur. 12 no.4:226-230 '57. (MIRA 10:11)

1. Iz glaznoy kliniki (zav. - prof. M.M.Zolotareva) Belorusskogo instituta usovershenstvovaniya vrachey.
(EYE--SURGERY) (GLAUCOMA)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

ZOLOTAREVA, M.M., prof.; RAPOPORT, M.Kh., kand.meditsinskikh nauk; BIRCHENKO, L.A., vrach.

Prevention of blindness and the organization of dispensary treatment of glaucoma patients. Zdrav. Belor. 4 no.2:48-51 F '58. (MIRA 13:8)

1. Iz glaznoy kliniki Belorusskogo instituta usovershenstvovaniya vrachey (direktor - professor M.N. Zhukova).
(BLINDNESS--PREVENTION) (GLAUCOMA)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

ACC NR: AP6013479 (N) SOURCE CODE: UR/0182/65/000/012/0003/0005

AUTHOR: Okhrimenko, Ya. M.; Nedosekin, L. I.; Faybisovich, L. I.; Troitskiy, V. P.; Birchenko, Ye. P.

ORG: none

TITLE: Forging with preliminary partial cooling of ingot surface

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 12, 1965, 3-5

TOPIC TAGS: metal forging, cooling, hot forging, metal deformation

ABSTRACT: The ingots produced by the present-day steel industry display as a rule various metallurgical defects such as shrinkage cavities, blowholes, internal cracks, etc. Defects of this kind persist in the forgings produced from these ingots, and their prevention can be accomplished by adjusting the regimes and sequence of the swaging, upsetting, drawing and other operations. At present there is no common consensus on the proper sequence and desirability of these operations. Recently, the Japanese investigators Mankichi Tateno and Shoichi Shikano (Closing of Internal Cavities in Heavy Forgings by Hot Free Forging [source not given]) described a new technique, based on the surface cooling of ingots to the temperature

Card 1/2 UDC: 621.73.032

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of the lower forging limit and their swaging in this form, which makes it possible to concentrate deformations in the central ingot zone during the forging of large ingots. The cooled outer layers of the ingot then fulfill the role of a more rigid but yielding jacket, while the central layers of the metal, which contain the largest number of discontinuities and have higher temperatures, are effectively deformed by a special press punch, thus leading to the elimination of defects inside the large ingot. However, the Japanese investigators make no mention of the effect of preliminary slight deformation during the partial cooling of the ingot on the distribution of inclusions and the mechanical properties of the metal following the forging. To clarify this question, the present authors investigated ingots of carbon steel 20, which were partially cooled by exposing them to room temperature for 1 hr, after which the temperature difference between the surface and center of the ingot was found to reach ~300°C. In this form of ingots were forged in a 3000-ton press with a reduction of ~6-7% in area, after which they were reheated at 1200°C and subjected to standard forging. Subsequent microstructural examination and mechanical tests of specimens taken from these ingots, as compared with controls, established that the forging of partially cooled ingots indeed provides better conditions for closing up internal defects in the central zone owing to the differences in the deformation resistance of the outer and inner layers of the ingot, and that preliminary deformation enhances this effect by improving the dendritic structure and bringing about a better balance between plasticity and impact strength. Orig. art. has: 4 figures, 1 table.

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 003

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRCK, Oszkar, dr.

"Forestry engineering" by Pr.E. Assmann. Reviewed by Oszkar Birck. Erdo 13 no.4:188-190 Ap'64.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRDER, B.N.

Steady state of heat-conducting systems. Inzh.-fiz. zhur. 9 no.3:358-363 S '65. (MIRA 18:9)

1. Khimiko-tekhnologicheskiy institut, Ivanovo.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

RZEPECKI, W;BIRECKA, A;SIEGEL, E.

Results of 202 cases of extrapleural pneumothorax. Gruslica, Warsz. 20 no.1:19-36 Jan-Feb 1952. (CLML 22:3)

1. Of the Department of Lung Surgery (Head--W. Rzepecki, M. D.) of the State Complex of Tuberculosis Sanatoria (Director -- K. Dambrowski, M. D.), Zakopane.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

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BIRECKA, Ada; RZEPECKI, Wit

Localized secondary adhesions of the lung after Jacobaeus operation. Gruzlica 23 no.6:397-408 June '55.

Z Panstwowego Zespolu Sanatoriow Przeciwgruzliczych. Dyrektor: dr. S. Frenkel: z Oddzialu Chirurgii Pluc--Ordynator: prof. dr. W. Rzepecki; Dyrektor: dr. L. Sadlowska; i z I.D. i S.K.L. w Zakopanem Zakopane, Sanatorium im. Sokolowskiego.

(COLLAPSE THERAPY,
pneumonolysis, postop. localized adhesions of lung)
(LUNGS, therapy
adhesions postop. in pneumonolysis)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, Ada; DRZEWSKI, Zbigniew; RZEPECKI, Wit; SCHMIDT, Mieczyslaw

Treatment of pulmonary tuberculosis by thoracoplasty with plastic material. Gruzlica 24 no.2:95-98 Feb 56.

1. Z Zadladu Ftyziochirurgii I.D. i S.K.L.--Kierownik: prof. dr. W. Rzepecki w Sanatorium im. dra O. Sokolwskiego--Dyrektor: dr. L. Sadlowska z Panstw. Zespolu Sanatoriow Przeciwgruzliczych w Zakopanem--Dyrektor: dr. S. Frenkel, oraz z Oddzialu Chirurgicznego Snatorium im. F. Dzierzynskiego w Otwocku. Ordynator: dr. A. Birecka. Dyrektor: dr. J. Karwowski Panstwowe Santorium P/gruzlicze im. F. Dzierzynskiego, Otwock.

(COLLAPSE THERAPY
thoracoplasty with polyethylene plombage.)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, Ada

A case of secondary management of bronchial fistula following pneumonectomy. Polski tygod. lek. 14 no.38:1715-1716 21 Sept 59.

1. (Z Zakladu Torakochirurgii Studium Doskonalenia Lekarzy Sanatorium im. Dr O. Sokolowskiego w Zakopanem: kierownik: prof. dr med. Wit. Rzepecki).
(PNEUMONECTOMY, compl.) (BRONCHIAL FISTULA, surg.)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, Ada

Secondary management of bronchial fistula after pneumonectomy. Postepy hig. med. dosw. no.2:96 '60.

1. Z Zakladu Ftyzjochirurgii Sanatorium im. dra O. Sokolowskiego w Zakopanem Kierownik: prof. dr Wit Rzepecki.

(PNEUMONECTOMY compl) (BRONCHIAL FISTULA etiol)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

RZEPECKI, Wit; BIRECKA, Ada; GORALCZYK, Jerzy; PUTERNICKA, Jadwiga

Metal mechanical suture as a sure and conservative method in pulmonary resection (UKL-60 apparatus). Gruzlica 30 no.2:111-123 '62.

1. Z Kliniki Chirurgii Klat[redacted] Piersiowej SDL AM w Warszawie Sanatorium im. O. Sokolowskiego w Zakopanem Dyrektor: prof. dr W. Rzepecki z Oddzialu Chirurgii Pluc Ordynator: dr A. Birecka Sanatorium im. F. Dzierzynskiego w Otwocku Dyrektor: dr E. Komar.

(PNEUMONECTOMY equip & supply)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

RZEPECKI, Wit; BIRECKA, Ada; GORALCZYK, Jerzy

Results of mechanical resection of the pulmonary parenchyma in tuberculosis. Gruzlica 31 no.1:13-17 '63.

1. Z Kliniki Chirurgii Klatki Piersiowej SDL w Zakopanem Kierownik: prof. dr med. W. Rzepecki Z Oddzialu Chirurgicznego Sanatorium im. F. Dzierzynskiego w Otwocku Dyrektor: dr E. Komar Ordynator: dr A. Birecka.
(PNEUMONECTOMY) (SUTURE TECHNICS)
(TUBERCULOSIS, PULMONARY)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

KRUSZEWSKA, Wanda; BIRECKA, Ada; PIOTROWSKI, Andrzej

Difficulties in the diagnosis of pulmonary tuberculosis. 1. Congenital cystic cavity in a child infected with tuberculosis. 2. Cirrhosis with bronchiectasis as a consequence of a foreign body (grain spike). Gruzlica 30 no.8:759-766 '62.

1. Z Sanatorium im. J. Marchlewskiego w Otwocku Dyrektor: dr K. Stec-Kryszkiewicz Z Oddzialu Chirurgicznego i z Pracowni Anatomopatologicznej Sanatorium im. Dzierzynskiego w Otwocku Dyrektor: dr E. Komar.
(TUBERCULOSIS, PULMONARY) (DIAGNOSIS, DIFFERENTIAL)
(CYSTS) (BRONCHIECTASIS) (BRONCHIAL DISEASES)
(FOREIGN BODIES) (PULMONARY FIBROSIS)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, Ada; KARWOWSKI, Janusz; MALEK, Tadeusz

Distribution of vital capacity in both lungs determined by comparative respiratory densitography and bronchospirometry in 32 patients. Gruzlica 31 no.6:586-591 Je'63.

1. Sanatorium im. F.Dzierzynskiego, Otwock.

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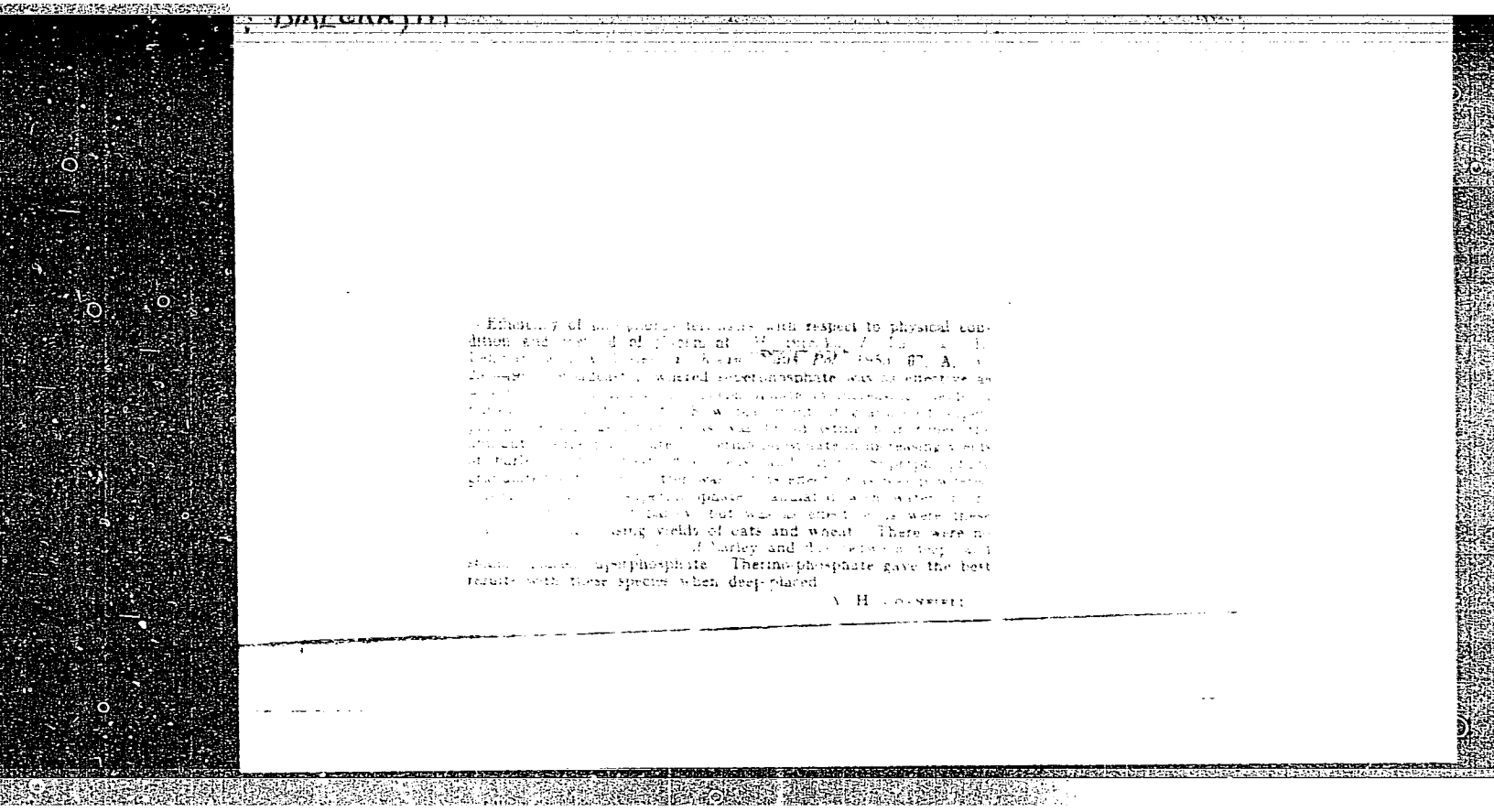

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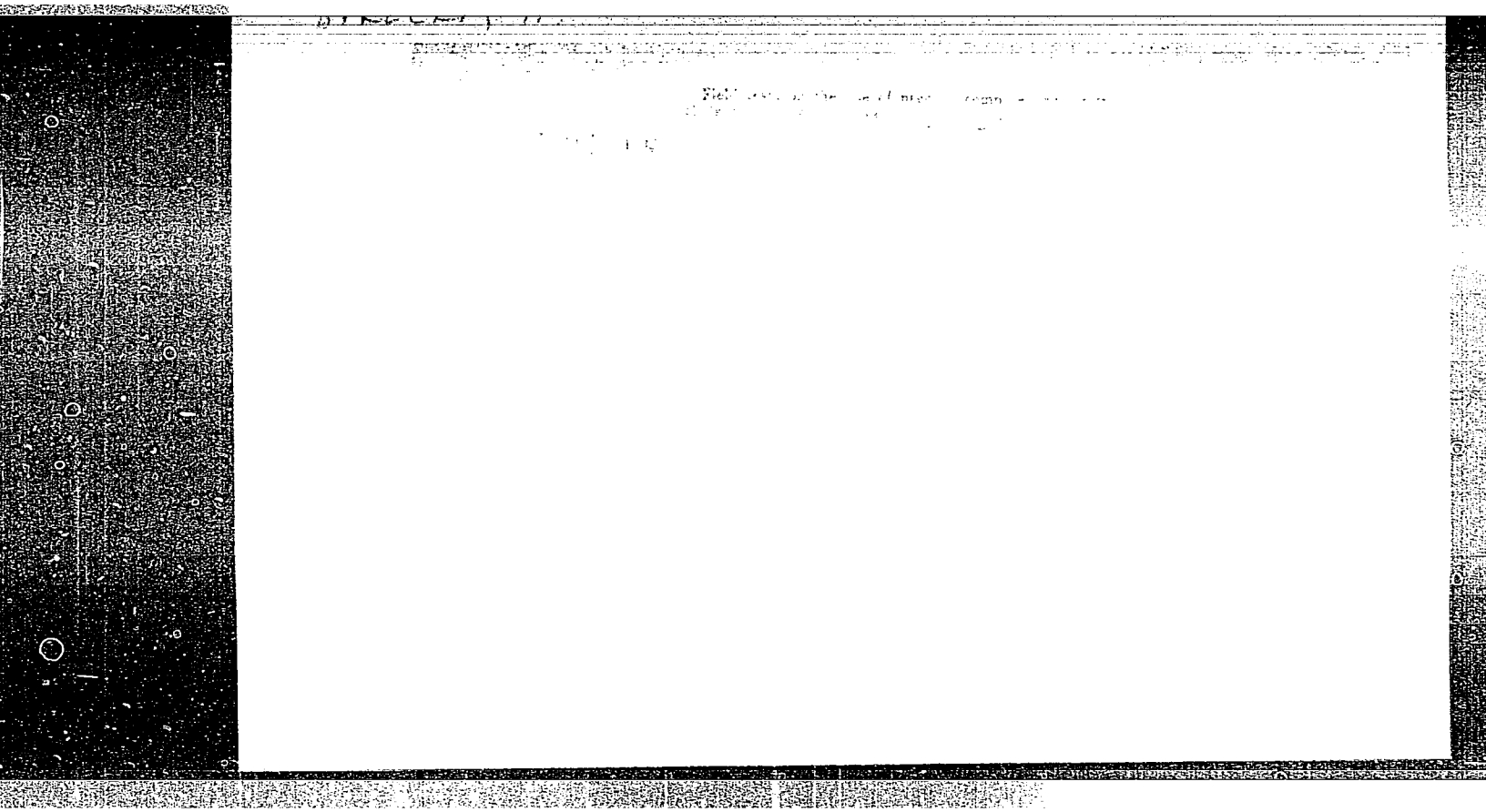
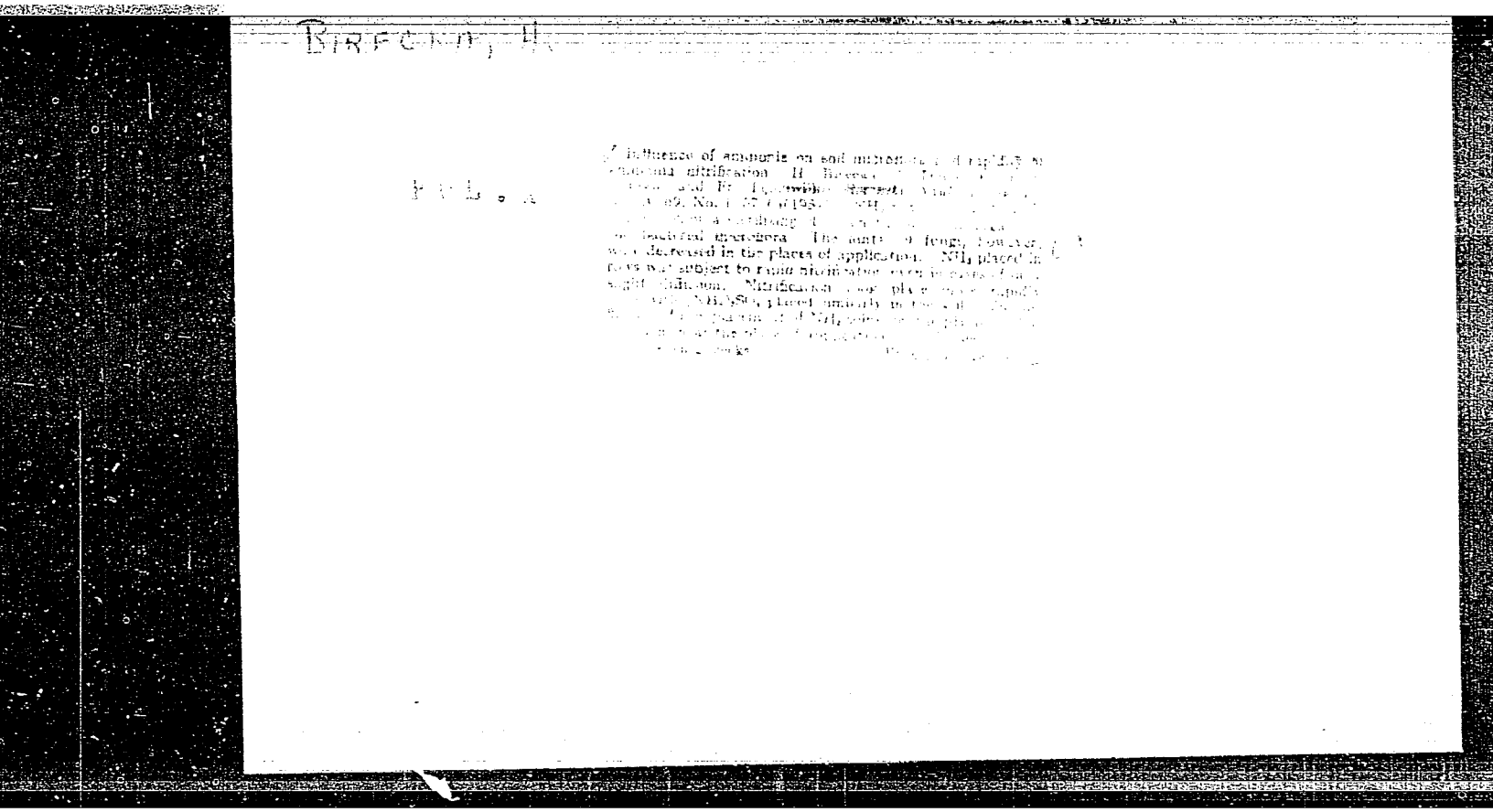


APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6



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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

Manuring fibre-flax with phosphorus. H. Gireke, W. Boguzewski, and H. Szukalski (*Roczn. Nauk Rol.* 1953 69 A 161
[illegible]

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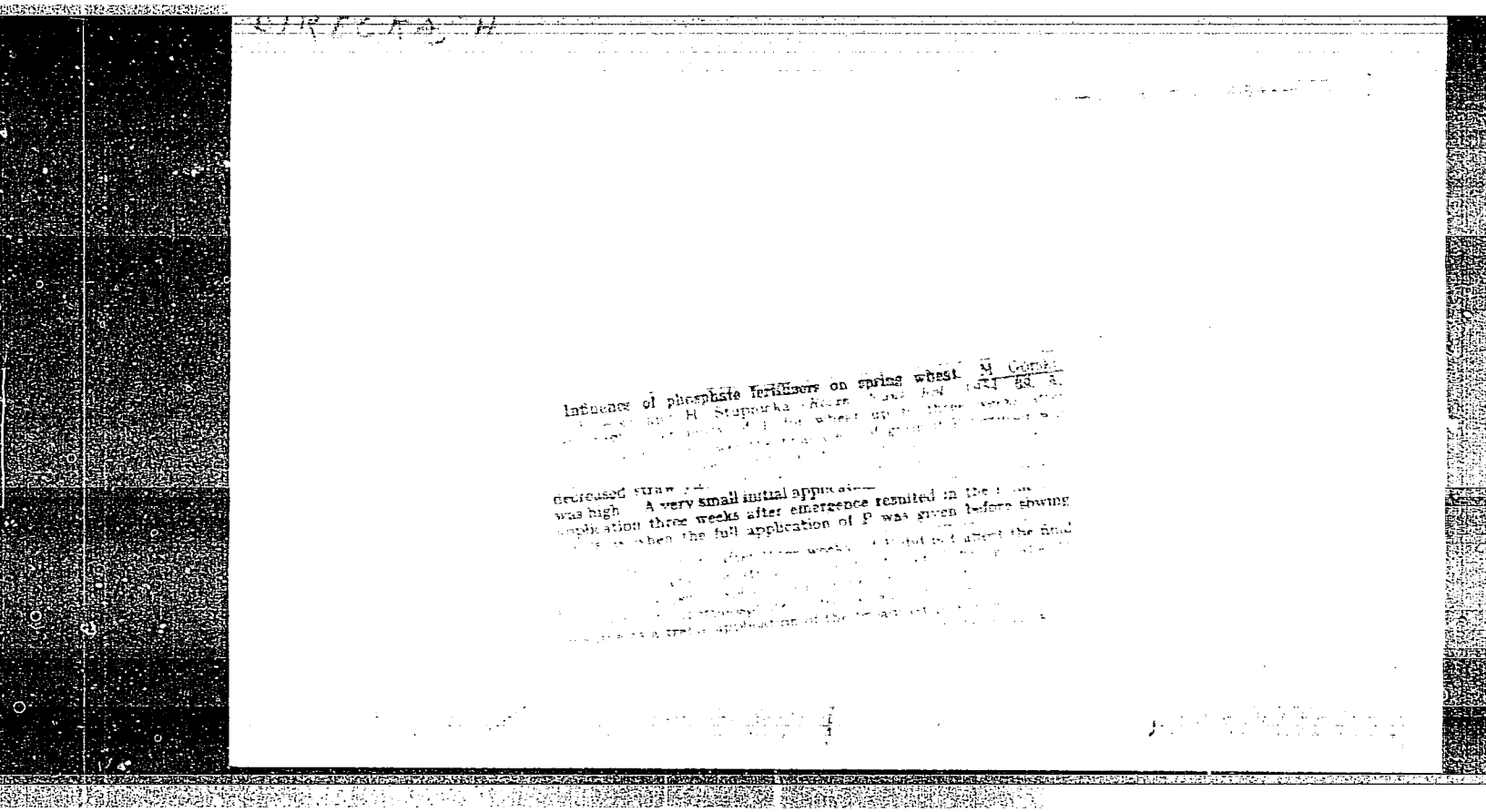

Influence of phosphate fertilizers on spring wheat

H. Stupnicka

decreased straw

was high. A very small initial application

application three weeks after emergence resulted in the

when the full application of P was given before sowing

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; BORATYNSKI, K.

Rational assortment of phosphoric fertilizers for Polish soil. p. 446.
(PRZEMYSL CHEMICZNY, VOL. 10, No. 9, Sept. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

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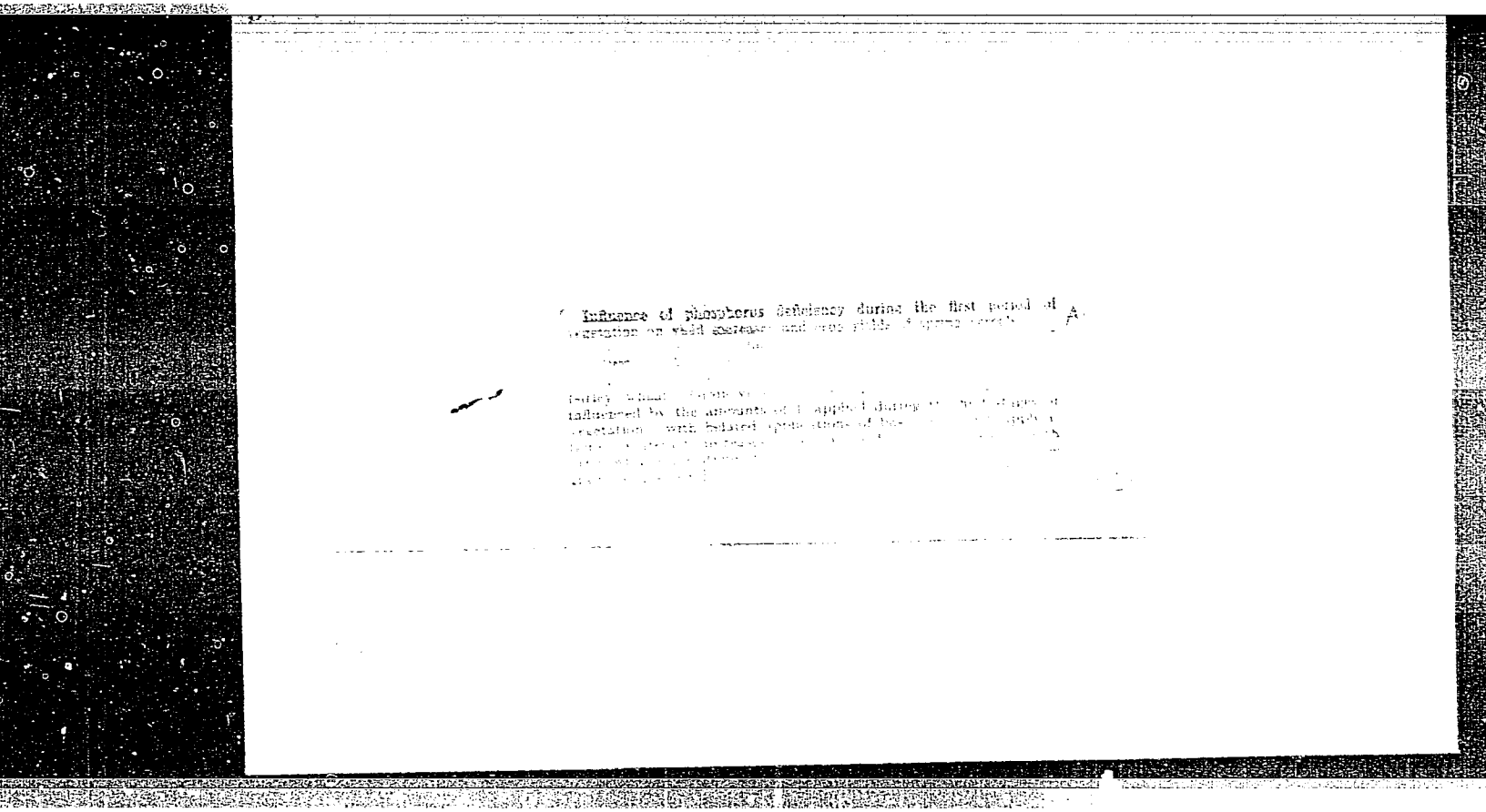

Influence of phosphorus deficiency during the first period of

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

Effect of granulated superphosphate on yields of oats in relation to methods of application and soil reaction. H. Birecka, W. Bogusawski and H. Szukalski (*Roczn. Nauk rol.* 1953, **71**, A, 5-42).—The importance of a liberal supply of P during the early stages of development is shown by various pot experiments. When evenly distributed through the soil (acid or neutral), the granulated form of superphosphate gives better results than the pulverised form. Application in layers does not (generally) affect the efficacy of the former, but improves that of the latter; this method of application reduces the efficacy of granulated superphosphate on limed soils which are highly deficient in P.

P. S. Arus.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 43840

Author : Birecka H., Tucholka Z.
Inst : The Institute of Agronomic Chemistry in Poznan
Title : An Investigation of the After-Effects of Plant Phosphorus Feeding

Orig Pub : Roczn. nauk rolniczych, 1956, A73, No 1, 1-42 (Polish; res. Russ., Eng.)

Abstract : The results of growing tests made at the Institute of Agronomic Chemistry in Poznan (Poland) have shown that an improvement of phosphorus feeding in maternal plants is reflected on the progeny in summer wheat and especially in barley, strengthening plant growth rhythms and their uptake of N and P, increasing the number of seeds in their ears and the overall grain yield, without affecting the N and P content in the grain and the displacement of P between the endosperm and the embryo. -- N.N. Sokolov

Card : 1/1

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POLAND/Soil Science - Mineral Fertilizers. J.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67950

Author : Birecka, H., Lisiewicz, A., Lehmann, K., Czekalski, A.
Inst : -
Title : Effectiveness of Granulated Superphosphate in Connection with Mode of Application and Soil Reaction.

Orig Pub : Roczn. nauk. rolniczych., 1956, A73, No 3, 327-347.

Abstract : Pot experiments were made in 1952 and 1953 in the Institute of Agrochemistry of the Higher Agricultural School in Poznan comparing the effectiveness of powdered and granulated P_2 with spring wheat and flax on light sandy loam having pH of 6.0 in a KCl extract. In addition, by lining, the reaction of this soil was raised to pH 6.6, and, by application of $Al_2(SO_4)_3$ in a dosage of 6 mg. Al per 100 grams of air-dry soil, to pH 5.2. Phosphates were added in doses of 40 or 120 mg. P_2O_5 per pot. When 40 mg. P_2O_5 was mixed with the otherwise unchanged soil, and distributed

Card 1/3

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Abs Jour : Ref Zhur - Biol., No 15, 1958, 67950

throughout the whole pot, the powdered variety gave a yield of 8.4 grams of wheat grain per pot, and the granulated variety -- 10.3 grams; the 120 mg. dose gave respectively 11.7 and 14.8 grams; the yield in the pot which did not have P_c was 6.5 grams of grain. When these same doses were introduced into the lowest layer of soil in the pot, the yields were 13.1 and 13.2 grams respectively; when 40 mg. P_c were inserted under the seeds, the yields were 10.0 and 9.6 grams. On limed soil granulated P_c gave slightly inferior results to powdered P_c, but on acid soil P_c was much more effective. In this case, where the control gave a yield of 3.4 grams, the addition of 120 mg. of powdered P_c gave 6.7 grams when it was thoroughly mixed with the soil; adding granulated P_c mixed with water gave 11.1 grams, and granulated P_c mixed with organic matter gave 11.5 grams. When 40 mg. P_c was added under the seeds, the results were 8.0, 7.4, and 8.8

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.

POLAND/Soil Science - Mineral Fertilizers. J-3

Abs Jour : Ref Zhur - Biologiya, No 2, 1958, 5770

Author : Byczkowski, A., Birecka, H., Boratynski, K.
Inst : -
Title : Knotty Problems of the Fertilization of Light Soils.

Orig Pub : Zesz. probl. nauki polsk., 1956, No 6, 175-200. Dyskus, 303-363, (Polish)

Abstract : In Skernevitsi when 20 T./hectare of manure were applied to light podzolic soil over a period of 25 years the humus content increased by 0.39%, i.e., 57% of the humus brought in with the manure during that period. In Germany (Nederling), when 40 T./hectare were applied yearly to light argillaceous soil, the humis content increased by 0.52% over the course of 18 years, i.e., 79% of the humus brought in with the manure. It is considered that 30% of the carbon in the manure is in the form of humus, and that 1/2 of this quantity can be preserved for an extended

Card 1/2

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

POLAND/Soil Science - Mineral Fertilizers. J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100076

Author : Birecka, H., Boguszweski, W., Szukalski, H., Lisiewicz, A.

Inst : -

Title : Periods of the Introduction of Fertilizers, Depending on the Reaction of the Soils.

Orig Pub : Roczn. nauk rolniczych, 1956, A73, No 4, 473-498

Abstract : In vegetational experiments on wheat in light soils, having a pH from 5.2 to 7.0, there were studied, in the Institute of Agricultural Chemistry of the Poznan Agricultural University, the autumn and spring periods of the application of powder-like and granulated superphosphate and also soda thermophosphate. At a pH of 5.2-5.4 and of 6.7-7.0, the fertilizers were more effective during the spring applications. At a pH of 6, the differences were not great. For the granulated super-

Card 1/2

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POLAND / Cultivated Plants. Grains. Legumes. Tropical Cereals. M-1

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6199

Author : [redacted], H.; Tucholka, Z.; Lisiewicz, A.
Inst : Poznan Chemical Institute
Title : Studies on the Utilization of Fertilizers in the Cultivation of Summer Grains in Rows

Orig Pub : Roczn. nauk rolnyczych, 1957, A76, No 1, 31-41

Abstract : The results of 11 field experiments, conducted at the Chemical Institute in Poznan, concerning the use of nitrogen and potassium fertilizers together with granulated Pc in rows, are given in this paper. Higher yields were obtained in all cases when a full dose of N was applied in the rows than when the same fertilizer was broadcast. An even higher increase in the yield was

Card 1/2

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; RYBICKA, H.; SCIBOR-MARCHOCKA, A.

Lupinus albus alkaloids and a method of their quantitative determination. Acta biochim. polon 6 no.1:25-36 1959.

1. Zaklad Fizjologii Roslin S.G.G.W. w Warszawie Kierownik: prof. dr H. Birecka.
(ALKALOIDS, determ.
Lupinus albus alkaloids (Pol))

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; NALBORCZYK, E.

Biosynthesis of radio-active alkaloids of yellow and white lupine. Bul Ac Pol biol 7 no.6:205-211 '59 (MIRAI 9:6)

1. Department of Plant Physiology, College of Agriculture, Warsaw presented by J. Heller.
(Synthesis) (Lupine) (Radioactive substances) (Alkaloids)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; SZKLAREK, D.; MAZAN, A.

Alkaloid synthesis in derooted white lupine plants. Bul Ac Pol biol 8 no.5:167-173 '60. (EEAI 9:11)

1. Department of Plant Physiology College of Agriculture, Warsaw and Laboratory of Plant Physiology Institute of Soil Management and Fertilization, Warsaw. Presented by J.Heller.
(LUPINES) (ALKALOIDS)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; NALBORCZYK, E.; SEBYLA, T.

Biosynthesis of alkaloids in intact and derooted plants of yellow lupine. Bul Ac Pol biol 8 no.5:175-181 '60. (KEAI 9:11)

1. Department of Plant Physiology, College of Agriculture, Warsaw and Laboratory of Plant Physiology, Institute of Soil Management and Fertilization, Warsaw. Presented by J.Heller.
(LUPINES) (ALKALOIDS)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA,H.; SEBYLA, T.

Transformations of ^{14}C-labeled lupanine in white lupine. Bul Ac Pol biol 8 no.5:183-188 '60. (EEAI 9:11)

1. Department of Plant Physiology, College of Agriculture, Warsaw. Presented by J.Heller.

(LUPINES) (LUPANINE) (CARBON) (RADIOISOTOPES)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; ZEBROWSKA, J.

Diurnal changes in the alkaloids content in Lupinus albus and Lupinus luteus. Bul Ac Pol biol 8 no.8:339-345 '60. (EEAI 10:3)

1. Department of Plant Physiology College of Agriculture, Warsaw. Presented by S.Barbacki.
(ALKALOIDS)
(LUPINE)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; SCIBOR-MARCHOCKA, A.

Alkaloid transformation in yellow lupine after introduction of sparteine or lupinine. Bul Ac Pol biol 8 no.10:449-455 '60.
(EEAI 10:9)

1. Department of Plant Physiology College of Agriculture, Warsaw. Presented by S. Barbacki.

(Lupine) (Sparteine) (Lupinine)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, Helena; WLODKOWSKI, Mieczyslaw

Reaction of some legiminous plants to the phosphorus supply in early stage of vegetation. Rocz nauk roln rosl 81 no.3:511-543 '60.
(EEAI 9:10)

1. Zaklad Fizjologii Roslin Szkoly Glownej Gospodarstwa Wiejskiego
(Legumes) (Phosphorous)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; NALBORCZYK, E.

Separation of white lupin alkaloids and attempts of identification of some of them. Bul Ac Pol biol 9 no.10:401-408 '61.

1. Department of Plant Physiology, Central College of Agriculture, Warsaw. Presented by J. Heller. (Redacteur de la Serie des Sciences Biologiques).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; WOJCIESKA, U.

Research on the alkaloids of Lupinus albus during its period of vegetation. Pt. 3. White bitter lupin - in its earliest and late ontogenic stages. Acta soc botan Pol 31 no.2:337-356 '62.

1. Katedra Fizjologii Roslin, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.

Influence of gibberellin and β-indole-acetic acid on plants of yellow and white lupine. Pt.1. The growth and development of plants. Acta soc botan Pol 31 no.3:559-585 '62.

1. Department of Plant Physiology, Central College of Agriculture, Warsaw.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; ZEBROWSKA, J.

Influence of gibberellin and β-indole-acetic acid on plants of yellow and white lupine. Pt. 2. The nitrogen and the alkaloid content. Acta soc botan Pol 31 no.3:587-599 '62.

1. Department of Plant Physiology, Laboratory of Plant Physiology, Central College of Agriculture, Warsaw.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H., prof., dr.; WLODKOWSKI, M.; SKUPINSKA, J.

Phosphorus metabolism in pea plants grown from seeds of varying phosphorus content. Rocz nauk roln rosl 85 no. 1:29-46. '62

1. Zaklad Fizjologii Roslin, Szkola Glowna Gospodarstwa Wiejskiego i Zaklad Fizjologii, Instytut Uprawy, Nawozenia i Gleboznawstwa, Warszawa.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.

Studies on alkaloid synthesis in bitter white lupine. Acta soc botan Pol 32 no.1:131-158 '63.

1. Plant Physiology Department, Central College of Agriculture, Warsaw.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, Helena

Isotopes in biological-agricultural and agricultural research in Poland; its present state and purposes for the future. Postepy nauk roln 10 no.1:33-40 Ja-F '63.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

BIRECKA, H.; SKUPINSKA, J.; WOJCIESKA, U.; ZINKIEWICZ, E.

Photosynthesis, translocation and accumulation of assimilates in cereals during grain development. Acta soc botan Pol 32 no.2:435-461 '63.

1. Department of Plant Physiology, Central College of Agriculture, Warsaw, and Section of Plant Physiology, Institute of Soil Science and Plant Cultivation, Warsaw.

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BIRECKA, H.

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BIRECKA, H.; DAKIC-WLODKOWSKA, L.

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1. Department of Plant Physiology, Central College of Agriculture, Warsaw, and Department of Plant Physiology, Institute of Cultivation, Fertilization and Soil Sciences, Warsaw.

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BIRECKA, Irena; JASZEWSKA, Izabella

Frequency of multiple ulcers in primary syphilis. Przegl. derm., Warsz. 47 no.3:215-219 My-Je '60.

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(SYPHILIS pathol.)

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BIRECKA, Irena; WASIK, Feliks

The problem of atrophic mucosynechial bullous dermatitis of Lortat and Jacob in the light of our observations. Przegl. derm. 49 no.3: 207-217 '62.

1. Z Kliniki Dermatologicznej AM we Wroclawiu. Kierownik: prof. dr H. Mierzecki.

(PEMPHIGUS)

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MIKLASZEWSKA, Miklaszewska; BIRECKA, Irena

Multiple myomas of the skin. Przegl. derm. 49 no.5:419-426 '62.

1. Z Kliniki Dermatologicznej AM we Wroclawiu Kierownik: prof. dr H. Mierzecki.

(MYOMA) (SKIN NEOPLASMS)

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BIRECKA, Irena; WOYTON, Aleksandra

Dermatosis pustulosa subcornealis. Przegl. derm. 49 no.6:517-522 '62.

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(DERMATOLOGY)

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BIRECKA, Irena; WOYTUN, Aleksandra

Coexistence of cystic basal-cell epithelioma and syringocystadenoma within the naevus sebaceus. Przegl. derm. 51 no.3:297-302 My-Je '64

1. Z Kliniki Dermatologicznej Akademii Medycznej we Wroclawiu (Kierownik: doc. dr. J.Kubicz).

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BIRECKA, Irena; SIELICKA-ZUBER, Luiza

A case of Bourneville-Pringle syndrome with rare histological changes of the skin. Przegl. derm. 52 no.4:403-407 Jl-Ag '65.

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Application of plant nutrients as foliar sprays. M. Birecki and S. Koziol (*Roczn. Nauk Rol.*, 1959, **67**, A, [3], 83—94).—The effects of applying foliar sprays of P (5—57 kg. P_2O_5) and K (5—40 kg. K_2O per hectare) 45, 30, or 15 days prior to harvest on yields and sugar content of sugar beet was studied. The treatments had no effect on root yields but increased the % sugar in the root. Both P and K separately were effective in this respect and the best results were obtained with the earliest treatment (45 days prior to harvest).

A. H. CORNFIELD

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BIRECKI, M.

"Cross-seeding as an important method of increasing the potato crop." (p. 25). NOWE ROLNICTWO (Panstwowe Wydawnichtwo Rolnicze i Lesne) Warszawa, Vol 3, No 2, Feb. 1954.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

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BIRECKI, M.

"Technique of cross-seeding and cross-cultivating potatoes." (p. 16) NOWE ROLNICTWO (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa, Vol. 3, No. III Mar. 1954

SO: East European Accessions List, Vol 3, No 8, August 1954

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POL.

Spacing of potatoes. M. Birecki and K. Kubicki (*Rocz. Nauk Rol.* 1954, **67**, A, 2 5—45).—Tests to determine the optimum spacing for potatoes on a variety of soil types are described. The starch content of the tubers was affected by both spacing and weather conditions. In general, starch content was correlated with yields. Average wt. per tuber and no. of tubers per plant increased with distance between plants. A. H. CORNFIELD.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

Birecki, M.

P O L

Influence of vernalization and supplementary fertilization on development and yields of potatoes. M. Birecki and K. Kubiki (*Roczn. Nauk rol.*, 1954, **69**, A, 471—527).—The effects on tuber growth of rainfall and temp. are examined in relation to conditions in Poland. Vernalisation increases yields and starch contents of the tubers and expedites maturing without loss in yield. Increases in yields obtained by combined vernalisation and supplementary manuring are greater than the sum of the increases obtained by separate treatments. The responses to these treatments of different varieties under different climatic conditions are investigated.

P. S. Akur

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Influence of the size and cutting of seed potatoes on crop yields. M. Birecki and S. Roztropowicz (*Roczn. Nauk rol.*, 1954, 70, A, 183—217).—Potato yields increased with the size of the seed sets but the yield per unit wt. of seed reached optimum with seed of 50—80 g. With such seed 2000 sq. cm. of soil surface per plant is desirable; with smaller seed the area may be reduced. Small seed (20—40 g.) and halves of seed of 40—80 g. produced similar yields. With large seed tubers pieces cut lengthwise gave smaller yields than did "end" halves. Fertiliser recommendations include both farmyard manure and artificials.

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BIRECKI, MIECZYSLAW.

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DA Not in MC

AGRICULTURE
Poland

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

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4020 631.58 631.43

Birecki M. On Deep and Shallow Tillage.

„O uprawie głębokiej i płytkiej". Postępy Nauk Rolniczych. No. 2, 1955, pp. [illegible], 4 tabs.

The properties of chernozem soils in a dry climate and of podzolised soils in Poland's temperate climate are first reviewed, followed by a discussion in this connection of the applicability of [illegible] [illegible] the many fundamental [illegible] between the [illegible] chernozem and the podzols in [illegible]. The [illegible] Poland make it absolutely [illegible] [illegible] and to [illegible] [illegible] of [illegible] res and consequently to [illegible] indispensability of ploughing at various depths. Tillage without turning over the furrow slice [illegible] sufficient when the roots of the plants cultivated do not reach deep [illegible] soil [illegible] when crops are properly rotated. All the same [illegible] ploughing will be necessary from time to time to check [illegible] to prevent an [illegible] of soil structure and [illegible] [illegible] [illegible]

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

V Influence of period and depth of sowing on the growth, quality and yield of potatoes under various methods of cultivation. M. Birecki, S. Behnke and J. Szulc (*Roczn. Nauk rol.*, 1955, 70, A, 351—404).—Cultivation practices, e.g., sowing in ridges and on the flat, depth of planting, deep and shallow inter-cultivation are compared in light heavy and peaty soil types. Production of starch in the tubers was favoured by ridging in light soils and by flat-planting in heavy soils and, in general, by fairly deep planting (10—15 cm.) Highest yields of tubers and of starch per acre were obtained by early sowing followed by ridging three times after the emergence of the plants

A. G. POLLARD

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Potato planting trials. M. Birecki and K. Kropkiewicz (Rocz. Nauk. rol. 1955 70, A, 515—537).—Effects of time of planting on the yield of tubers and of starch in different districts are examined. The relationship between starch yield per acre and sowing time is dependent on soil and climatic conditions during the period of max. assimilation by the plants. A. G. POLLARD.

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BIRECKI, M.

POLAND/Soil Science - Cultivation, Amelioration, Erosion. J-4

Abs Jour : Ref Zhur - Biol., No 2, 1958, 5822

Author : Birecki, M., Smolska, K., Gabriel, W.

Inst : Institute of Agricultural Engineering, Fertilizers, and Soil Science of the Polish People's Republic.

Title : Surface Watering of Field Crops.

Orig Pub : Roczn. nauk rolniczych, 1956, A72, No 4, 589-619

Abstract : This is a description of the results of an investigation of the optimal times and the various norms of watering potatoes, beets, and several grains crops on turf-podzolic soils of the regions near Warsaw. The investigation was conducted by the Institute of Agricultural Engineering, Fertilizers, and Soil Science of the Polish People's Republic.

Card 1/1

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

POLAND/Cultivated Plants. Potatoes, Vegetables, Melons. M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77658.

Author : Birecki, M.; Roztropowicz, St.
Inst :
Title : Relationship Between Size of Assimilation Surface of Potato Plants and Tuber Harvest.

Orig Pub: Roczn. nauk rolniczych, 1956, A74, No 1, 1-44.

Abstract: At the Reguly Experimental Station (near Warsaw), the assimilation surface of potato plants was regulated by means of removal of the stems. A dependence was established between the dynamic accumulation of harvests, size and the productivity of the assimilation surface. The highest harvest was obtained not from the many-stemmed plants, but from the shrubs, where the ration of leaves to stems was

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320012-6

POLAND / Cultivated Plants. Fodder Grasses and Edible Roots. M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24920

Author : Birecki, M.; Zbiec, Z.
Inst : Not given
Title : Selection of Cover Plants for Mixing Perennial Grasses in Field Crop Rotations

Orig Pub : Roczn. nauk rolniczych, 1957, A74, No 4, 705-740

Abstract : The Central Higher School of Agriculture (Poland) in 1951-1954 experimented, in the capacity of cover plants, on rye, oats, and winter and spring varieties of wheat, barley and rape for the mixtures of clover, timothy grass, dew grass and tall ryegrass (I) and clover with timothy grass (II). In years with

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POLAND / Cultivated Plants. Fodder Grasses and Edible Roots. M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24920

insufficient precipitation, the largest harvest of the mixtures' green mass was obtained following the spring cover cultivations; in the case of a large reserve of soil moisture - after the winter crops. The higher the harvest of the winter cultivations, the lower is the harvest of the mixtures. At the utilization of the winter cover crops, the I mixture produced, on an average, a harvest 13% larger; the II mixture produced larger crops with the spring cultivations. In the I mixture, cereal grasses, especially those of the spring cover cultivations, were prevailing in weight. Under unfavorable weather conditions, the harvest of the

Card 2/3

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