"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

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

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

second-year usage constituted 45% and 38% of the harvest of the first-year usage; under favorable conditions, 10% and 68%. Among the winter cover cultivations, the best results were obtained by the use of rye, which assisted in better accumulation of moisture in the soil and in diminishing weed growth. Rape, oats and barley are recommended from the different spring cover cultivations. Barley is the best cover cultivation for the II mixture. It is also recommended to make use of spring wheat. -- I. N. Zaikina

Card 3/3

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

COUNTRY : Poland
CATEGORY : Cultivated Plants, Fodder Grasses and Roots.
M
ABS. JOUR. : RZhBiol., No. 1, 1959, No.1690

AUTHOR : Birecki, Mieczysław; Roszak, W.
INST. :
TITLE : Selection of Mixtures of Perennial Leguminous and Herbaceous Grasses for Field Crop Rotations.

ORIG. PUB. : Roczn. nauk rolniczych, 1957, A74, No.4, 793-833

ABSTRACT : In the course of five years, the productivity of various mixtures and pure sowings of clover under various soil conditions in Poland was studied. The highest crop was obtained from grass mixtures containing clover and lucerne, particularly under dry conditions. Tall rye grass also increased the hayyield and protein content in single and two years use. Under conditions of adequate moistening, during two years use, good results were shown with the application of timothy.

CARD: 1/3

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1 1959, No.1690

ABSTRACT :Pasture rye grasses and perennial grasses gave a smaller effect than tall oat grass and timothy. Under conditions of adequate moistening, lucerne and clover mixtures with herbaceous grasses gave an elevated hay crop in the first year, while in dry districts addition of dew grass to lucerne lowers the crop. Under a high level of ground waters, it is better to substitute clover for lucerne. Mixtures clean the field of weeds 4-6 times better than pure clover. Development of couch grass suppresses strongly the accumulation of dew grass and Italian rye grass. Dew grass and Italian rye grass upon ripening proved to be less favorable than timothy or pasture and tall oat grasses. The greatest accumulation of organic substances

CARD: 2/3

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

COUNTRY :
CATEGORY :

APP. JOUR. : RZhBiol., No. 1, 1959, No.1590

ABSTRACT : in the soil was given by grass mixtures containing lucerne, while a better soil structure resulted from composite mixtures. In the nature of structure formers, the grasses can be arranged in the following decreasing order: tall oat grass, dew grass, timothy, pasture rye grass, Italian rye grass and meadow fescue grass. -- I.N. Zaikina

CARD: 3/3

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw; KUBICKI, Kazimierz

The use of ionizing rays in the storage of potatoes. Postepy nauk roln 6 no.6:3-38 N-D '59. (EEAI 9:7)
(Potatoes) (Radiation)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw; BEHNKE, Sabina

The influence of various methods of storing potatoes in ground storage on the value of seed potatoes. Rocz nauk roln rosl 80 no.4: 699-721 '60. (EEAI 9:11)

1. Zaklad Ziemniaka Instytutu Uprawy, Nawozenia i Gleboznawstwa. (Poland--Potatoes)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw; SZULC, Jozef

Influence of the periods of planting on yelds of vernalized potatoes. Rocz nauk roln rosl 81 no.1:1-26 '60. (EEAI 9:10)

1. Zaklad Ziemniaka Instytutu Uprawy, Nawozenia i Gleboznawstwa. (Poland--Potatoes)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw; KUBICKI, Kazimierz

Influence of long-term vernalization and additional fertilization on the production value of seed potatoes. Rocz nauk roln rosl 81 no.1:29-46 '60. (EEAI 9:10)

1. Zaklad Ziemniaka Instytutu Uprawy, Nawozenia i Gleboznawstwa.
(Poland--Potatoes)
(Poland--Fertilizers and manures)
(Vernalization)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw; GASTOL, Jozef

Preliminary studies of the influence of plants on the development and decomposition of humus organic matter, as well as on the soil structure, in the rotation of crops. Roc nauk roln rosl 82 no.1:145-190 '60. (EEAI 10:7)
(Poland—Rotation of crops) (Soils)
(Organic compounds)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, M.; DROESE, H.; KOWALSKI, St.; SMIERZCHALSKI, L.

Preliminary research on the possibility of applying shallow plowing and its proper application in crop rotation. Rocz nauk roln rosl 83 no.1:49-72 '60. (EEAI 10:7)

1. Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.
(Poland--Plowing) (Poland--Rotation of crops)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, M.; DROESE, H.; KOWALSKI, S.; SMIERZCHALSKI, L.

Changes in the soil structure during the vegetation period under some plants demonstrated by different indexes. Rocz nauk roln rosl 83 no.4: 829-852 '61.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, M.; GABRIEL, W.; PIECHOWIAK, K.

Summer planting of late potato varieties. Rocz nauk roln rosl 82 no.3: 739-778 '61.

1. Zaklad Ziemniaka, Instytut Uprawy, Nawozenia i Gleboznawstwa, i Katedra Szczegolowej Uprawy Roslin, Wyzsza Szkola Rolnicza, Poznan.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw; FABIJANSKI, Jan

Evaluation of some ways of sowing mixtures of alfalfa with grasses. Rocz nauk roln rosl 86 no.4:573-592 '62.

1. Katedra Ogolnej Uprawy Roli i Roslin, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, M.; FABIJANSKI, J.; WISNIEWSKI, J.

Kilogram per hectare seeding rate of red clover and alfalfa to be used for herbage. Roczn nauk roln rosl 87 no.3:471-480 '63.

1. Katedra Ogolnej Uprawy Roli i Roslin, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw

Problems of potato cultivation. Zesz probl post nauk roln no.42:61-89 '63.

1. Zaklad Ziemniaka, Instytut Uprawy, Nawozenia i Gleboznawstwa, Warszawa.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw

Problems of combining deep plowing with shallow in crop rotation. Postepy nauk roln 11 no. 2:17-33 Mr-Ap '64.

1. Department of General Soil and Plant Cultivation, Main School of Rural Economy, Warsaw.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, M.; GABRIEL, W.; WALCZAK, W.

Influence of agrotechnical treatments on the seed value of seed potatoes. Pt. 2. Rocz nauk roln rosl 88 no. 3: 461-483 '64.

1. Potato Research Laboratory, Institute of Cultivation, Manuring and Soil Science, Warsaw.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw

Certain problems of tillage and manuring of light soils.
Zesz probl post roln no.50a:5-54 '64.

1. Department of General Soil Tillage and Plant Cultivation, Central School of Agriculture, Warsaw.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Mieczyslaw

Eighth International Congress of Soil Science, Bucharest, August 31-September 20, 1964. Nauka polska 13 no.1:115-119 Ja-F '65.

1. Corresponding Member of the Polish Academy of Sciences, Warsaw. Submitted November 1964.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Tadeusz

Occurrence of chromites in the Tapadla region. Przegl geol 10 no.3:144-150 Mr '62.

1. Przedsiebiorstwo Geologiczne, Krakow.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Tadeusz, dr inz.

Prospecting possibilities of natural oil deposits and gas on secondary foldings in the synclinal zones of the Central Carpathians. Nafta Pol 19 Special issue:3-6 19-26 Je '63.

1. Instytut Naftowy, Krakow.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Tadeusz

Deluvial serpentinite regolith in the Szklary region, Lower Silesia. Rocz geol Krakow 32 no.4:601-612 '62.

1. State Geological Prospecting Company, Krakow.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Tadeusz, dr inz.; LENK, Tadeusz, mgr inz.; SZURA, Tadeusz, mgr

Determination of gas in drill cores and drilling mud as a method of evaluating the oil bearing of a geologic profile. Naft 20 no. 4:90-95 Ap '64.

1. Petroeum Institute, Krakow.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Tadeusz, dr inz.

Research on the gas bearing capacity of the Zechstein and red bottom clay in the Lubin and Sieroszowice region. Nafta 21 no. 3:Suppl:Biul inst naft 15 no.3/4:7-8 '65.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Wladyslaw.

JANKOWSKI, Wiktor; BIRECKI, Wladyslaw

Residual hearing in deaf-mutism. Otolar. polska 8 no.3:183-195 1954.

1. Z Kliniki Oto-laryngologicznej Akademii Medycznej we Wroclawiu. Kierownik: prof. dr T.Zalewski. I z Ozrodka Badawczo-Leczniczego dlia Chorob Zawodowych. Kierownik: prof. dr. W.Jankowski.

(DEAF-MUTISM
residual hearing in)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, Wladyslaw

JANKOWSKI, Wiktor; BIRECKI, Wladyslaw

Result of examination of deaf-mutes at the State Institute for Training of Handicapped in Wroclaw. Otolar. polska 8 no.3:197-205 1954.

1. Z Kliniki Otolaryngologicznej we Wroclawiu. Kierownik: prof. dr T.Zalewski. I z Osrodka Badawczo-Leczniczego dlia Chorob Zawodowych. Kierownik: prof. dr W.Jankowski.

(DEAF-MUTISM
hearing tests, results)
(HEARING TESTS,
in deaf-mutism, results)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

HOLOWNIA, Jan; JANKOWSKI, Wiktor; BIRECKI, Wladyslaw

Sounding of certain types of Bezold's tuning forks. Otolar. polska 9 no.4:295-304 1955.

1. Z Katedry techniki Obdiorczej Politechniki we Wroclawiu Kierownik: prof. mgr. inz. W. Rotkiewicz. z Kliniki Otolaryngologicznej A M we Wroclawiu. Kierownik: prof. dr W. Jankowski.

(HEARING TESTS,
Bezold's tuning fork)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, W.; HOLOWNIA, J.; ZIEMSKI, Z.; BIRECKI, Wl.

Hearing disorders and their compensation after 16-hour rest in workers of a railroad repair shop. Med. pracy 5 no.6:399-406 1954.

1. Z kliniki otorinolar. A.M. i osrodka badawczo-leczniczego chorob zawodowych we Wroclawiu; kier. prof. dr. W.Jankowski.

(OCCUPATIONAL DISEASES
hearing disord. in workers of railroad repair shop, cure by rest)
(HEARING DISORDERS, etiology and pathogenesis
occup., noise in railroad repair shop, cure by rest)
(REST
in compensation of occup. hearing disord. in workers of railroad repair shop)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

Birecki W

POLAND/Acoustics. J

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10253

Author : Holownia, J., Jankowski, W., Birecki, W.
Inst :
Title : Use of Tuning Forks for Otological Investigations of the Conductivity of Air.

Orig Pub: Zesz. Nauk. politechn. wrocl., 1956, No 11, 109-130

Abstract: Usually in the investigation of hearing, carried out with the aid of a tuning fork, one assumes that the sound level attenuates linearly and is determined by the relation $i = i_0 - at$ [$g\delta$], where i_0 is the initial level, and t the time of attenuation of sound in one second/sic!/. To determine the errors in the measurements with tuning forks, an experimental investigation was made of the most frequently employed set of tuning forks of the Betzold type. Measurements were made of the initial level of the sound, the speed of attenuation, and the characteristics of

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, Wiktor; BIRECKI, Wladyslaw; IWANKIEWICZ, Stanislaw; ZIEMSKI, Zbigniew

Compensation of hearing loss after charging the ear with a pure sound. Otolar. polska 10 no.2:145-148 1956.

1. Z Kliniki Otolaryngol. A.M. we Wroclawiu Kier. prof. dr. W. Jankowski i z Osrodka Badawczo-Leczniczego Chorob Zawodowych we Wroclawiu Kier. dr. Wl. Birecki.

(HEARING, physiology,
loss of hearing after exposure to pure tone, recovery of hearing loss by controlled tones (Pol))
(SOUNDS, effects
(same)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, W.

HOLOWNIA, J.; JANKOWSKI, W.; BIRECKI, W.

Lamp hearing aids & their possibilities. Otolar. polska 11 no.1:35-48 1957.

1. Z Politechniki Wroclawskiej i z Kliniki Otolaryngologicznej A. M. we Wroclawiu Kierownik: Prof. dr W. Jankowski.

(HEARING AIDS
lamp hearing aids, method of evaluating properties for med. use (Pol))

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRECKI, WŁADYSŁAW

HOŁOWNIA, Jan; JANKOWSKI, Wiktor; BIRECKI, Wladislaw

Acoustic conditions in the Otolaryngological Clinic at Wroclaw. Otolar. polska 11 no.3:229-238 1957.

(NOISE, eff.
acoustic cond. in otolaryngol. clinic on course of ther. (Pol))
(HOSPITALS,
same)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, Wiktor; GIELDANOWSKI, Jerzy; BIRECKI, Wladyslaw

Effect of some vasoconstrictor drugs on the microphonic potential of the cochlea. Otolar. polska 16 no.2:321-329 '62.

1. Z Kliniki Otolaryngologicznej AM we Wroclawiu Kierownik: prof. dr. W. Jankowski i z Zakladu Farmakologii AM we Wroclawiu Kierownik: prof. dr J. Hano.
(COCHLEA pharmacol) (EPHEDRINE pharmacol)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, Wiktor; GIELDANOWSKI, Jerzy; BIRECKI, Wladyslaw

Effect of some vasidilator drugs on the microphonic potential of the cochlea. Otolar. polska 16 no.2:331-336 '62.

1. Z Kliniki Otolaryngologicznej AM we Wroclawiu Kierownik: prof. dr. W. Jankowski i z Zakladu Farmakologii AM we Wroclawiu Kierownik: prof. dr J. Hano.

(VASODILATOR AGENTS pharmacol) (COCHLEA pharmacol)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, Wiktor; GIELDANOWSKI, Jerzy; BIRECKI, Wladyslaw

Changes of the microphone potential in acute irreversible anoxia. Otolaryng. pol. 16 no.3:465-468 '62.

1. Z Kliniki Otolaryngologicznej AM we Wroclawiu Kierownik: prof. dr W. Jankowski i z Zakladu Farmakologii AM we Wroclawiu Kierownik: prof. dr J. Heno.

(ANOXIA) (COCHLEA)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, Wiktor; GIELDANOWSKI, Jerzy; BIRECKI, Wladyslaw

Microphonic potentials in hypothermia. Otolaryng. pol. 17 no.2:137-141 '63.

1. Z Kliniki Otolaryngologicznej AM we Wroclawiu Kierownik prof. dr W. Jankowski Z Zakladu Farmakologii AM we Wroclawiu Kierownik: prof. dr J. Hano.
(CATS) (HYPOTHERMIA, INDUCED) (HEARING TESTS)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, Wiktor; GIELDANOWSKI, Jerzy; BIRECKI, Wladyslaw

The effect of the vegetative nervous system on the behavior of microphonic potentials in the organ of Corti. Arch. immun. ther. exp. 12 no.5:611-623 '64

1. Otolaryngologic Clinic, School of Medicine, Wroclaw, and Department of Pharmacology, School of Medicine, Wroclaw.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, Wiktor; GIELDANOWSKI, Jerzy; BIRECKI, Wladyslaw

The autonomic nervous system and microphonic potentials of the organ of Corti. I. The synpathetic nervous system. Otolaryng. Pol. 18 no.1:33-38 '64.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej we Wroclawiu (Kierownik: prof. dr W. Jankowski). i z Zakladu Farmakologii Akademii Medycznej we Wroclawiu (Kierownik: prof. dr J. Hano).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, Wiktor; GIELDANOWSKI, Jerzy; BIRECKI, Wladyslaw

Autonomic nervous system and microphonic potentials of the organ of Corti. I. Parasympathetic nervous system. Otolaryng. Pol. 18 no.2:171-175 '64.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej we Wroclawiu (Kierownik: prof dr. W. Jankowski) i z Zakladu Farmakologii Akademii Medycznej we Wroclawiu (Kierownik: prof. dr. J. Hano).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

JANKOWSKI, Wiktor; ZIEMSKI, Zbigniew; GIELDANOWSKI, Jerzy; BIRECKI, Wladyslaw

Myringoplasty and microphonic potentials. Otolaryng. Pol. 18 no.4:463-466 '64

1. Z Kliniki Otolaryngologicznej Akademii Medycznej we Wroclawiu (Kierownik: prof. dr. W. Jankowski) i z Zakladu Farmakologii Akademii Medycznej we Wroclawiu (Kierownik: prof. dr. J. Hano).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

SCHULLER, Laszlo, dr.; BIREK, Laszlo, dr.

Lymphogranulomatosis of the heart. Orv.hetil. 102 no.7:323-324 12 F '61.

1. Marosvasarhelyi Korbonctani Tanszek, Prosectura es I. sz. Belgyogyaszati Klinika, Roman Nepkoztarsasag.
(HEART neopl)
(HODKIN'S DISEASE case reports)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, A.M.

USSR/Human and Animal Physiology - Metabolism. V-2

Abs Jour : Ref Zhur - Biol., No 4, 1958, 17993

Author : A.M., Birenbaum
Inst : -
Title : The Influence of Manganese and Copper on the Ascorbic Acid Content of the Liver in White Rats.

Orig Pub : Ukr. biokhim. zh., 1957, 29, No 1, 115-118

Abstract : For 75 days 0.7 mg of $MnCl_2$ per day was added to the food of one group of rats, 0.025 mg of $CuSO_4$ per day to the food of a second group and 0.05 mg of $CuSO_4$ per day to that of a third group. Following this the animals were killed. When Mn was added, and increase was noted in the ascorbic acid content of the rats' livers of 10.2% in comparison with the control group. When Cu was added, a decrease was seen, which was more pronounced with the larger dose of Cu: 12.2% with the dose of 0.025 mg and 35.1%

Card 1/2 Kafedra biokhimii Medichnogo institutu m. Stalino.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, A.M.

Interaction of certain microelements (manganese, molybdenym, cobalst) and ascorbic acid in the organism of albino rats. Ukr. biokhim. zhur. 34 no.2:253-261 '62 (MIRA 16:11)

1. Department of Biochemistry of Donets Medical Institute.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, Ye.I.

Calculating the strength of two-component yarn blends. Izv.vys.ucheb. zav.;tekh.tekst.prom. no.4:35-41 '60. (MIRA 13:9)

1. Moskovskiy tekstil'nyy institut.
(Yarn--Tables, calculations,etc.)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, Ye.I.

Estimation of the uniformity of synthetic fibers from their elongation. Khim.volok. no.5:59 '60. (MIRA13:12)

1. Moskovskiy tekstil'nyy institut.
(Textile fibers, Synthetic—Testing)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, YE. I., CAND TECH SCI, "REPROCESSING OF MIXTURES OF ~~HENNA~~ lavsan AND COTTON ON COTTON-SPINNING EQUIPMENT." LENINGRAD, 1961. (MIN OF HIGHER AND SEC SPEC ED RSFSR. LENINGRAD TEXTILE INST IMENI S. M. KIROV). (KL-DV, 11-61, 217).

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, Ye.I.

Selecting the length of synthetic staple fibers for blending with natural fibers. Izv. vys. ucheb. zav.; tekh. teks. prom. no. 2:71-74 '61. (MIRA 14:5)

1. Moskovskiy tekstil'nyy institut.
(Texitle fibers)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, Ye.I., inzh.

Use of cotton spinning equipment for the processing of cotton and "Lavosan" polyester fiber blends. Tekst. prom. 21 no. 4:13-17 Ap '61. (MIRA 14:7)

(Spinning machinery)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, Ye.I., starshiy nauchnyy sotrudnik

Strength of yarn manufactured from a blend of various fibers.
Tekst.prom. 22 no.6:36-40 Je '62. (MIRA 16:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti.
(Textile fibers) (Yarn--Testing)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, Ye.I., nauchnyy sotrudnik; YEGOROVA, L.M., nauchnyy sotrudnik

Fibers made with polypropylene. Tekst.prom. 22 no.8:85-86 Ag '62. (MIRA 15:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti (TsNIKhBI).
(Propene) (Textile fibers, Synthetic)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, Ye.I., nauchnyy sotrudnik; YEGOROVA, L.M., nauchnyy sotrudnik

Polynosic fibers. Tekst.prom. 22 no.11:86-87 N '62. (MIRA 15:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut khlopchato-bumazhnoy promyshlennosti (TSNIKhBI).
(Textile fibers, Synthetic)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, Ye.I., kand. tekhn. nauk, nauchnyy sotrudnik; PLETNIKOVA, K.N., nauchnyy sotrudnik; VIRKER, K.A., nauchnyy sotrudnik

Physicomechanical properties and spinnability of polynosic fibers. Tekst. prom. 24 no.7:31-35 Jl '64. (MIRA 17:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti (TsNIKhBI).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBAUM, Ye.I.; YEGOROVA, L.M.

Study and evaluation of the new synthetic fibers. Nauch.-iss. trudy TSNIKHBI za 1962 g.:143-158 '64. (MIRA 18:8)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

LUVISHIS, L.A., kand. tekhn. nauk; BIRENBAUM, Ye.I., kand. tekhn. nauk, starshiy nauchnyy sotrudnik

Factory laboratories to have a more important role in the efforts to improve the quality of production. Tekst. prom. 25 no.9:17-20 S '65. (MIRA 18:10)

1. Rukovoditel' kontrol'no-ispytatel'noy laboratorii TSentral'nogo nauchno-issledovatel'skogo instituta sherstyanoy promyshlennosti (for Luvishis). 2. Sotrudnik kontrol'no-ispytatel'noy laboratorii TSentral'nogo nauchno-issledovatel'skogo instituta sherstyanoy promyshlennosti (for Birenbaum).

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

DOBRYANSKAYA, Ye.M., kand.tekhn.nauk; BIRENBERG, B.M.; SERDYUK, A.I.

Causes of actual labor productivity being less than that predicted in mines of the Donetskugol' Combine. Sbor. DonUGI no.28:50-79 '62. (MIRA 16:8)
(Donets Basin—Coal mines and mining—Labor productivity)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBERG, B.M.

Efficiency of mechanized loading under various mining conditions. Sbor. DonUGI no.28:80-88 '62. (MIRA 16:8)
(Coal mining machinery)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

DOBRYANSKAYA, Ye.M., kand.tekhn.nauk; BIRENBERG, B.M., gornyy inzh.; SERDYUK, A.I., gornyy inzh.

Effect of individual factors on the labor productivity and coal production costs in coal mines; "collection of articles. Reviewed by E.M. Dobrianskaia, B.M. Birenberg, A.I. Serdiuk. Ugol' 37 no.9:62-63 S '62. (MIRA 15:9)

(Coal mines and mining—Costs)
(Coal mines and mining—Labor productivity)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRENBERG, B.M.; POLYAKOV, G.R.

Basic principles in the methodology of analyzing the dynamics of labor productivity in a coal mine. Sbor. DonUGI no.28: 14-28 '62. (MIRA 16:8)

(Coal mines and mining—Labor productivity)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BELLEBERG, B.M., [illegible]; [illegible], G.[illegible]; [illegible], [illegible].

Method of calculating by consolidated analysis the dynamics and the level of a miner's labor productivity in mining in the coal industry of the Ukrainian Donets Basin. Sbor. DonUGI no.32:28-39 '53. (MIRA 17:10)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

Birenberg, I.E.

AL'TSHULER, Z.Ye., inzh.; BASTUNSKIY, M.A., inzh.; BERSTEL', V.N., inzh.; BIRENBERG, I.E., inzh.; BOGOPOLSKIY, B.Kh., inzh.; BUKHARIN, S.I., inzh.; GERSHTEYN, B.G., inzh.; GRINSHPUN, L.V., inzh.; DREYYER, G.I., inzh.; DINERSHTEYN, A.G., inzh.; ZLATOPOL'SKIY, D.S., inzh.; KLANYUK, A.V., inzh.; KOZIN, Yu.V., inzh.; LEVITIN, I.P., inzh.; MEL'NIKOV, L.F., inzh.; MEL'KUMOV, L.G., inzh.; NADEL', M.B., inzh.; PAVLOV, N.A., inzh.; PASLEN, D.A., inzh.; PESIN, B.Ya., inzh.; PYATKOVSKIY, P.I., inzh.; RAZNOSCHIKOV, D.V., inzh.; ROZENOYER, G.Ya., inzh.; ROZENBERG, R.L., inzh.; ROYTENBERG, N.L., inzh.; RYABINSKIY, Ya.I., inzh.; SYPCHENKO, I.I., inzh.; TARACHNIKOV, L.D., inzh.; FEL'DMAN, E.S., inzh.; SHTRAKHMAN, G.Ya., inzh.; SHTERENGAS, N.S., inzh.; LEVITIN, I.P., otvetstvennyy red.; STEL'MAKH, A.N., red.izd-va; BEKKER, O.G., tekhn.red.

[Overall mechanization and automatization of production processes in the coal industry] Kompleksnaia mekhanizatsiia i avtomatizatsiia proizvodstvennykh protsessov v ugol'noi promyshlennosti. Pod red. IU.V.Kozina i dr. Moskva, Ugletekhizdat, 1957. 82 p. (MIRA 11:3)

1. Gosudarstvennyy proyektno-konstruktorskiy institut. 2. Institut Giprougleavtomatizatsiya i Tekhnicheskogo Upravleniya Ministerstva ugol'noy promyshlennosti (for all except: Levitin, Stel'makh, Bekker)

(Automatic control) (Coal mining machinery)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRKENBERG, I.E., inzhener; KOZIN, Yu.V.; MEL'KUMOV, L.G.

Spark-safe instruments and devices. Bezop.truda v prom. 1 no.6:17-20 Je '57. (MLRA 10:7)
(Electric instruments) (Electricity in mining)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

PEREPELITSA, V.K.; MALIKOV, V.T.; BIRENBERG, I.E.

The IHP-1 spark-safe dust-measuring instrument. Biul.tekh.-ekon. inform. no.4:8 '59. (MIRA 12:7)

(Mine dusts--Measurement)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

KRAVCHENKO, V.S., doktor tekhn.nauk; KARPOV, Ye.F., inzh.; BIRENBERG, I.E., inzh.

Continuous methane-detection relay. Bezop.truda v prom. 4 no.2:22-24 F '60. (MIRA 13:5)

1. Institut gornogo dela AN SSSR (for Kravchenko, Karpov).
2. Giprougle-avtomatizatsiya (for Birenberg).
(Mine gases--Safety measures)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

KRAVCHENKO, V. S., doktor tekhn. nauk; KARPOV, Ye. F., kand. tekhn. nauk; BIRENBERG, I. E., inzh.; ERENBURG, I. I., inzh.

AMT-2 thermocatalytic methane analyzer. Ugol' Ukr. 7 no.4: 38-39 Ap '63. (MIRA 16:4)

1. Institut gornogo dela im. A. A. Skochinskogo (for Kravchenko, Karpov). 2. Gosudarstvennyy proyektno-konstruktorskiy institut avtomatizatsii rabot v ugol'noy promyshlennosti (for Birenberg). 3. Konotopskiy zavod "Krasnyy metallist" (for Erenburg).

(Mine gases—Measurement) (Transducers)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

L 8447-66

ACC NR: AP5025732 SOURCE CODE: UR/0286/65/000/018/0084/0084

AUTHORS: Birenberg, I. E.; Chubukov, M. P.; Karpov, Ye. F.; Svet, I. S.; Dovedov, A. N.; Gavril'chenko, L. I.; Razgulyayev, Ye. P.

ORG: none

TITLE: An instrument for measuring methane concentration, the resistance of the detonation circuit, and the ignition of electrodetonators. Class 42, No. 174819

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 84

TOPIC TAGS: methane, resistance bridge, electric resistance, electric transformer, transistor, detonation, electric detonator

ABSTRACT: This Author Certificate presents an instrument for measuring the methane concentration, resistance of detonation circuit, and the ignition of electrodetonators. It contains a methane meter (see Fig. 1) in the form of a bridge circuit, one arm of which is the methane-combustion element. The second arm is a balancing element. The other two arms have constant resistances. This device also contains a resistance meter for the detonation circuit and a detonation device in the form of a contactless transistor-transformer converter. The latter converts

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L 8447-66

ACC NR: AP5025732

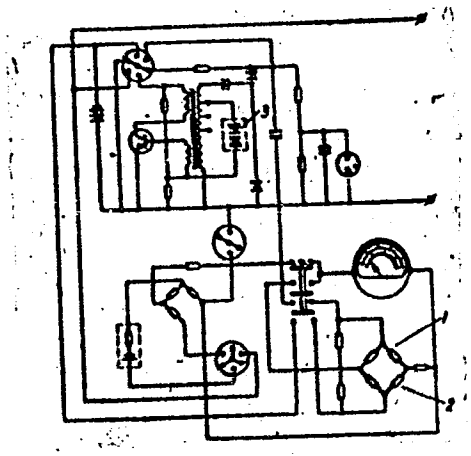

Fig. 1. 1 - A catalytic element;
2 - comparison element;
3 - Zener diode.

low voltage from an independent source to high-voltage alternating current. There is a feedback loop between the secondary winding of the transformer and the base of the transistor. In order to increase the safety of detonation work, to ensure reliability of the device, and to increase its life under difficult mine

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L 8447-66

ACC NR: AP5025732

conditions, the catalytic and comparison elements of the methane meter (which have a working temperature of up to 450C) are installed in a single reaction chamber. The chamber has one-way natural admission of the analyzed gas. The detonation device has a Zener diode connected in opposition to the feedback loop. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 12Mar64

BVK

Card 3/3

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No. 131782. To increase the amplifier stability and to [illegible] amplification control, a supplementary current [illegible] the direct current circuit controlled by diode bridges. The current source is [illegible]

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control signals. each circuit of the supplementary control source derived from the

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

ZHEPETSKIY, V.; BIRETSKAYA, A.

Resection of lung tissue in tuberculosis with the aid of the UKL-60 apparatus. Grud.khir. 4 no.6:66-72 N-D'62. (MIRA 16:10)

1. Iz kliniki torakal'noy khirurgii Meditsinskoy akademii v.Varshave, Sanatoriya imeni Sokolovskogo v Zakopanakh (dir. - prof. V.Zhepetskiy) i iz torakal'nogo otdeleniya Sanatoriya imeni Dzerzhinskogo v Otvodku (dir. Ye.Komar). Adres avtorov: klinika grudnoy khirurgii Meditsinskoy akademii, Varshava.

(LUNGS—SURGERY) (SUTURES)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

SYTYY, N.M., kand. tekhn. nauk; BIRETTO, V.K., insh.

Using explosives in subaqueous trenching of pipelines. Stroi. truboprov. 3 no.8:22-26 Ag. '58. (MIRA 11:11)
(Gas, Natural--Pipelines) (Explosives)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRETTO, V.K. (Kiyev); SYTYY, N.M. (Kiyev)

Installing pipe siphons across the Dnieper and Samara rivers by means of blasting. Vod. i san.tekh. no.11:19-24 N '58. (MIRA 11:12)

(Dnieper River--Gas pipes) (Samara River--Gas pipes)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRFEL'D, A.G.

AID P - 4117

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 4/33

Authors : Birfel'd, A. G., Eng., Ye. I. Gnilosyrov, Kand. Tech. Sci., O. V. Slezhanovskiy, Kand. Tech. Sci., and N. A. Tishchenko, Eng.

Title : Complex automation of bloomeries.

Periodical : Elektrichestvo, 12, 9-18, D 1955

Abstract : The authors describe automation systems developed by the Central Design Bureau of the plant "Elektroprivod" and operating since April 1954. They demonstrate that complex automation can be efficiently accomplished only on a modern mechanized unit. They describe the automation and modernization of the 1100 type bloomery and give details of the automation of the separate parts of the set. One table, 12 detailed connection diagrams, charts and oscillograms.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

ACC NR: AP6031523 SOURCE CODE: UR/0292/66/000/009/0035/0037

AUTHOR: Birfel'd, A. G. (Engineer); Vasil yeva, N. P. (Candidate of technical sciences); Pisarev, A. L. (Candidate of technical sciences); Cherdyntsev, G. A. (Engineer)

ORG: none

TITLE: Magnetic logic elements and devices in contactless control systems

SOURCE: Elektrotekhnika, no. 9, 1966, 35-37

TOPIC TAGS: magnetic circuit, logic circuit, transistorized amplifier, electronic circuit/ELM-400 logic circuit

ABSTRACT: The Kalininskiy Electirc Apparatus Factory has begun producing the new ELM-400 series of magnetic logic elements. The plug-in encapsulated modules (55 x 22 x 32 mm) were designed to operate at 400 cps using two-phase power in an environment with an ambient temperature range from -35 to +50 C and relative humidity up to 98%. The line includes: 1) an inverter (ELM-400-IN) which may realize the NOT or OR functions depending on the connections used (its fan-out is 6); 2) a signed repeater (ELM-400-P) which shifts the signal by one half period but leaves it logically intact (fan-out is 6); 3) an input transformer coupling circuit (ELM-400-VT); and 4) an input inverter coupling circuit (ELM-400-VIN). The ELM-400 line complements the LT general industrial application series. A special 1-kw power inverter feeds the 400-cps contactless logic elements from a 50-cps power source. The factory also

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

ACC NR: AP6031523 SOURCE CODE: UR/0292/66/000/009/0035/0037

AUTHOR: Birfel'd, A. G. (Engineer); Vasil yeva, N. P. (Candidate of technical sciences); Pisarev, A. L. (Candidate of technical sciences); Cherdyntsev, G. A. (Engineer)

ORG: none

16C 14

TITLE: Magnetic logic elements and devices in contactless control systems

SOURCE: Elektrotekhnika, no. 9, 1966, 35-37

TOPIC TAGS: magnetic circuit, logic circuit, transistorized amplifier, electronic circuit/ELM-400 logic circuit

ABSTRACT: The Kalininskiy Electirc Apparatus Factory has begun producing the new ELM-400 series of magnetic logic elements. The plug-in encapsulated modules (55 x 22 x 32 mm) were designed to operate at 400 cps using two-phase power in an environment with an ambient temperature range from -35 to +50 C and relative humidity up to 98%. The line includes: 1) an inverter (ELM-400-IN) which may realize the NOT or OR functions depending on the connections used (its fan-out is 6); 2) a signed repeater (ELM-400-P) which shifts the signal by one half period but leaves it logically intact (fan-out is 6); 3) an input transformer coupling circuit (ELM-400-VT) and 4) an input inverter coupling circuit (ELM-400-VIN). The ELM-400 line complements the LT general industrial application series. A special 1-kw power inverter feeds the 400-cps contactless logic elements from a 50-cps power source. The factory also

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

SOV/112-58-2-2296

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 2, p 81 (USSR)

AUTHOR: Birfel'd, A. G., and Slezhanovskiy, O. V.

TITLE: The Complex Automation of Reversing Hot-Rolling Blooming-Type Mills (Kompleksnaya avtomatizatsiya reversivnykh goryacheprokatnykh stanov tipa bluminga)

PERIODICAL: V sb.: Raboty M-va elektrotekhn. prom-sti SSSR po mekhaniz. i avtomatiz. nar. kh-va. 1. M., 1956, pp 55-60

ABSTRACT: The 1,100 blooming mill, Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine), was one of the first plants automated in 1954. As a result, blooming productivity has increased by 20% as compared to 1950, and has kept growing in 1955-1956. At the present time, complex automation is operated in a number of mills, and is provided for in most of the mills under construction, among which are: the 1,150 slabbing mill of Magnitogorsk Combine, the 2,800 plate mills of the plant imeni Voloshilov, the 2,800/1,700 mills Cherepovets, Orsk-Khalilovo, and other plants. The complex automatic system for a reversing roughing mill comprises the following

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SOV/112-58-2-2296

The Complex Automation of Reversing Hot-Rolling Blooming-Type Mills

mechanisms: an ingot truck, delivery and roughing tables, working tables, frame rolls, a main drive, screwdown. The automation of a rolling-mill manipulator has begun. The complex automatic system is so designed that any mechanism can be transferred to manual control at any time. The automatic control equipment is mounted on separate panels, and each panel can be disconnected for inspection or repairs without stopping the mill. Skeleton diagrams of the automatic control of the main drive, tables, ingot truck, and screwdowns are examined; the principal automatic means are listed; an oscillogram of the complex operation of drives is presented. With automatic mill control, metal rolling is carried out on a schedule close to the optimum. The latest works and achievements in the field of the complex automation of reversing roughing mills are listed.

V.A.I.

Card 2/2

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

A choke programme-master device

S/196/62/000/006/014/018
E194/E154

displacement m.m.f. intended to select the initial point on the working section of the characteristics and the second to control the choke premagnetisation. A schematic circuit diagram of the choke device is given and the function and operating principles of the components are described. Laboratory investigations showed that supplying three phases of the selsyn through saturating chokes according to this circuit only distorts the waveshape of the output voltage but does not displace its phase relative to the supply voltage; this is because one or two of the 6 chokes are always operating under conditions of complete or nearly complete saturation and the selsyn is mainly an inductive load. A certain distortion of voltage waveshape is not important because in the follow-up systems it is applied to the input of the phase sensitive amplifier which responds only to the phase and the mean value of the voltage. An approximate method is given for selecting the working section of the choke characteristic using its non-linearity to maintain constant the modulus of the resultant flux vector in the selsyn for any position of the sliding contact on a closed potentiometer. The circuit of a

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A choke programme-master device

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E194/E154

Peculiarities of methods of programming the choke system are explained.

[Abstractor's note: Complete translation.]

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BIRFEL'D, A.G., inzh.

Choke-type programming device. Vest. elektroprom. 32 no.10: 42-47 O '61. (MIRA 14:9)

(Automatic control)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BYKOV, G.A., inzh.; BIRFEL'D, A.G., inzh.; GENDEL'MAN, B.R., inzh.; YEGORYCHEV, G.M., inzh.; KRICHEVSKIY, G.M., inzh.; PISTRAK, M.Ya., inzh.; TAYTS, A.A., kand. tekhn. nauk; FRIMES, A.P., inzh.; GOL'DIN, Ya.A., glav. red.; IVANOV, A.N., red.; LANOVSKAYA, M.R., red. izd-va; DOBUZHINSKAYA, L.V., tekhn.red.

[Electric power engineering]Elektroenergetika. [By]G.A.Bykov i dr. Moskva, Metallurgizdat, 1962. 190 p. (MIRA 16:4)
(Electric motors) (Automatic control)
(Metallurgical plants—Electric equipment)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRFEL'D, Ya. G.

AUTHOR: Birfel'd, Ya. G. 49-4-19/23

TITLE: Radio echoes from the Aurorae Borealis (Radiolokatsionnyye otrazheniya ot polyarnykh siyaniy).

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, 1957, No.4, pp. 543-547 (USSR)

ABSTRACT: Since the end of 1954 observations have been carried out at the northern scientific station of the Institute of Physics of the Atmosphere, Ac.Sc. USSR (Institut Fiziki Atmosfery SSSR) in Loparskaya near Murmansk ($\varphi = 68^{\circ}38'$ N; $\lambda = 33^{\circ}22'$ E; $\Phi = 64^{\circ}$) using a radio locator of a frequency of about 72 Mc/sec with an impulse duration of 10μ sec, a power of 75 kW and a repeat frequency of 50 c.p.s. Most of the measurements were made by means of a rotating aerial of the "wave canal" type with a set of vibrators located about six metres from the ground surface. The tube of the radio locator with modulation deflection of the beam has a 1000 km scanning; the sensitivity of the radio receiver is 5.10^{-14} W, which corresponds to a 5 mm deflection of the beam on the screen. The noise of the radio receiver produced on the screen a noise ripple about 3 mm high. The image on the screen was photographed with a frequency of six frames per second. As a result of

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20984

3.1810 (2605, 2705, 1041, 1184)
9.9300

S/058/61/000/004/039/042
A001/A101

AUTHOR: Birfel'd, Ya.G.

TITLE: Some specific features in diurnal course of radio echoes from aurora according to observations at various stations and the nature of daily radio echoes

PERIODICAL: Referativnyy zhurnal. Fizika, no 4, 1961, 419, abstract 4Zh623, (V sb. "Spektr. elektrofotometr. i radiolokats. issled. polyarn. siyaniy i svecheniya nochnogo neba", no 2-3, Moscow, AN SSSR, 1960, 15 - 18, Engl. summary)

TEXT: The author analyzes statistical data on radio echoes observed by various stations in the northern hemisphere (mainly on the USSR territory). Station Loparskaya ($G = 68^{\circ}38'N$, $\lambda = 33^{\circ}22'E$, $\Phi = 64^{\circ}$) regularly recorded auroras ($f = 72$ and 30 Mc). Radio echoes were, as a rule, diffuse, stable and their distances were 600-800 km. Good time coincidences of radio echoes with chromospheric flares on the Sun were observed, in cases when flares were of intensity 3 and 3+. Daily radio echoes were observed also at other stations. The author analyzes latitudinal and longitudinal relationships of diurnal course of radio

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3.5110
3.1720 (1041, 1127, 1129)

26987

S/049/60/000/012/011/011
D214/D305

AUTHOR: Birfel'd, Ya.G.

TITLE: Radiolocation of the polar aurora

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya geofizicheskaya, no. 12, 1960, 1871 - 1882

TEXT: This paper summarizes observations made at Soviet stations on radio reflections from the aurora during 1954-1958, together with some results from other stations. The Soviet observatories were at Loparskaya, where frequencies of 30 and 72-74 megahertz were used, Dikson, with 50 and 73 megahertz, M. Shmidt, Tiksi, Roshchino and Yakutsk with 72-74 megahertz, and identical systems were used at all stations. Considering the nature of single reflections and groups, the single reflection is divided into three types - discrete, diffuse, and a mixture of the two. The duration of a discrete reflection was found to be 2-10 times more than that of the initial pulse while for diffuse and mixed reflections it

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26987 S/049/60/000/012/011/011
D214/D305

Radiolocation of the polar aurora

was 10-300 times greater. The groups may last from 1 minute to several hours. The different types of reflection were found at all stations, and there were definite recurrences of reflection types for corresponding types of aurora. Energies of the longest diffuse and mixed signals were about 10^4 more than those of discrete reflections. The groups of reflections, characterized by a continuous sequence of single reflections, may be observed in continuous or discontinuous succession occupying times from 1 minute to some days. 15 such groups were observed in a day at Loparskaya and M. Shmidt, but only 5-6 were seen at Tiksi and Dikson, although all were near the zone of maximum aurora. The nature of the groups depends on the place and time of observation, intensity of the aurora, and disturbance of the geomagnetic field and aurora, and they are explained, apparently, by the "flocculent" composition of the corpuscular currents producing them. Results indicate that depolarization of the reflected signal decreases with increasing transmission frequency, and the frequency spectrum of fading reflected modulated signals appears to have a definite form. Reflections from the ionization of the aurora correlate well with the appearance and increase of H_α

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D214/D305

Radiolocation of the polar aurora

a definite way with change in azimuth. The structure and direction of rotation of reflections also depend on the azimuth. There is a definite system in the trend of changing azimuth and distance of reflections with time. At Loparskaya, reflections about the zenith part of the sky were found with identical equipment with 10 and 4 m wavelengths. Low and medium amplitude reflections, very stable in time and space, from the quiet non-radiating structure of the aurora in the north of the sky were seen, and coming only from the south and, when there was a visible form of aurora in those directions, from the east and west. Consistently, when reflections are observed, there is an aurora in the night sky, but the reflecting region does not always coincide with the region of strongly luminescent aurora, and not all polar aurorae give reflections. The height of the reflecting ionized region is, for Loparskaya, apparently between 100-140 km, in good agreement with the optically determined height of maximum appearance of the aurora. The reflecting activity appears to rise with increasing solar activity, seeming to reach a maximum about 1-2 years after the maximum of the latter. The

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26987

Radiolocation of the polar aurora

S/049/60/000/012/011/011
D214/D305

aurora Australis and the aurora Borealis. Nature, 182, No. 4627, 1958; R.I. Fresnell, R.L. Leadabrand, A.M. Peterson, VHF and UHF radar observations of the aurora at college Alaska. J. Geophys. Res. 64, 1959.

ASSOCIATION: Akademiya nauk SSSR, institut fiziki atmosfery (Academy of Sciences, USSR. Institute of Physics of the Atmosphere)

SUBMITTED: July 30, 1959

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BIRFIRER, Ye.(g.Kiyev)

Unification of special funds. Prom.koop. 13 no.8:14 Ag '59. (MIRA 12:12)

1. Nachal'nik finansovego otdela Ukrpromsoveta.
(Ukraine--Cooperative societies)

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IOANNISIANI, T.G.; BIRG, A.V.; LAVROVA, N.K.

Studying the ecologic characteristics of the weevils Phytonomus meles F. and Phytonomus nigrirostris F. Vop. ekol. 7:70-71 '62. (MIRA 16:5)

1. Akademiya nauk Belorusskoy SSR, Minsk.
(White Russia--Weevils)
(White Russia--Clover--Diseases and pests)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

IOANNISIANI, T.G. [Ioanisiiani, T.H.]; BIRG, A.V. [Birh, A.V.]; LAVROVA, N.K. [Laurova, N.K.]

Materials on the species and ecology of weevils (Coleoptera, Curculionidae) in White Russia. Vestsi AN BSSR. Ser. biial. nav. no.4:113-122 '63. (MIRA 17:8)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

IOANISIANI, T.G. [Ioanisiiani, T.H.]; BIRG, A.V. [illegible]; [illegible]
[illegible]. [Laurova, N.K.]

Life cycles of weevils Phytonomus nigrirostris F. and Phytonomus meles F. (Coleoptera, Curculionidae) and measures for their control. Vestsi AN BSSR. Ser. biial. nav. no.4:111-120 '64.
(MIRA 18:12)

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BIRG, N.A.

Disorder of the function of the pancreas in diseases of the liver and biliary tract. Kaz.med.zhur. no.3:19-21 My-Je '62. (MIRA 15:9)

1. Terapevticheskoye otdeleniye (zav. - kand.med.nauk P.N.Osipov) Respublikanskoy bol'nitsy Ministerstva zdravookhraneniya Chuvashskoy ASSR (nauchnyy rukovoditel' - prof. L.M.Rakhlin, (kazan').

(LIVER--DISEASES) (BILIARY TRACT--DISEASES) (PANCREAS)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

BIRG, N.A.

Pancreatic function in lambliasis. Kaz.med.zhur. no.3:31-32 My-Je'63. (MIRA 16:9)

1. Terapevticheskoye otdeleniye (zav. - kand.med.nauk P.N.Osipov, nauchnyy rukovoditel' - prof. L.M.Rakhlin) Respublikanskoy bol'nitsy Ministerstva zdravookhraneniya Chuvashskoy ASSR.
(PANCREAS--DISEASES) (GIARDIASIS)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5

OSIPOV, P.N.; BIRG, N.A.

Aleukemic form of chronic lymphoid leukemia in two uniovular twins. Probl. gemat. i perel. krovi no.2:62 '65. (MIRA 18:11)

1. Terapevticheskoye otdeleniye (zav. P.N.Osipov) Respublikanskoy bol'nitsy Chuvashskoy ASSR (glavnyy vrach I.F.Lun'kov), Cheboksary.

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Birgauanu, M.

A synchronous machine with sinusoidal frequency wave. In German, p. 257.

REVUE D'ELECTROTECHNIQUE ET D'ENERGETIQUE. JOURNAL OF ELECTROTECHNICS AND ENERGETICS. (Academia Republicii Populare Romine. Institutul de Energetica) Bucuresti, Rumania Vol. 2, no. 2, 1957

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept. 1959

Uncl.

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BIRGAUANU, M.

Optimum coefficient relative to the overlapping of pole pitches in the Selsyn generators and motors. p. 287.

Academia Republicii Populare Romine. Institutul de Energetica. STUDII SI CERCETARI DE ENERGETICA. Bucuresti, Rumania. Vol. 8, no. 2, 1958.

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Uncl.

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(Dynamos) (Electric motors)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205320013-5"

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Study of some special operating systems of high-power synchronous motors. Rev electrotechn energet 8 no.1:77-97 '63.

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BIRGAUANU, Mihu, ing.

"The reeler's book on electric machines" by C. Bala, Al. Fetita, V. Letter. Reviewed by Mihu Birgauanu. Electrotehnica 10 no.10: 396-397 O '62.

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