24,7200

39452
P/053/62/000/002/001/001
1004/1204

AUTHOR: Prezedmojski, Jan

TITLE: X-ray investigation of temperature characteristics of nickel-zinc ferrites

PERIODICAL: Przegląd elektroniki, no. 2, 1962, 84–92

TEXT: Nickel-zinc ferrites of the composition $NiO_5ZnO_{1-\delta}Fe_2O_3$ were studied by means of X-ray structural analysis for δ varying from 0.1 to 1 by 0.1 steps in the temperature range $-50^{\circ}C$ to $600^{\circ}C$. For all samples a sharp rise in the coefficient of thermal expansion in the vicinity of the Curie point has been observed. The dependence of the coefficient of thermal expansion a upon the parameter δ and the dependence of the lattice constant of the crystal of the Curie temperature was studied. It was found that a) there is a discontinuity in the coefficient of thermal expansion at the Curie point, b) the value of the coefficient of thermal expansion rises with the content of nickel, c) the Curie temperature rises as the lattice constant decreases. It is pointed out that Curie point temperature may be measured by the X-ray method since there is a marked discontinuity in the slope of the $a = F(t)$ curve at the Curie point. There are 13 figures.

ASSOCIATION: Katedra Fizyki Ogólnej B, Politechnika Warszawska (Warsaw Polytechnical Institute, Chair of General Physics B).

Card 1/1

FERLUGA, D.; PREZELJ, F.

Atresia of the tricuspid ostium. Zdrav. vestn. 34 no.5/6: 105-110 '65.

1. Interna klinika medicinske fakultete v Ljubljani (predstojnik: prof. dr. S. Mahkota) i Patalosko-anatomski institut medicinske fakultete v Ljubljani (predstojnik: prof. dr. F. Hribar).

PROHASKA, Boris, dr inz.; PREZELJ, Milan; LEGISA, Ivo

Thermal diffusion of liquids. Kemija u industriji 11 no.7: 379-384 Jl '62.

1. Tehnoloski fakultet, Sveuciliste u Zagrebu.

PROHASKA, Boris, dr inz.; PREZELJ, Milan; LEGISA, Ivo

Construction of various apparatus for thermal diffusion of liquids. Kemija u industriji 11 no.7:385-388 Jl '62.

1. Tehnoloski fakultet, Sveuciliste u Zagrebu.

PREZELJ, V.

Problems of digging in thin layers.

p. 193 (Rudarsko-Metalurski Zbornik) No. 3, 1957, Ljubljana, Yugoslovia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

PREZENSZKI, Jozsef

Problem of safe bridging between the load platform of loading machines and railroad cars. Kozleked kozl 19 no.39:653-656 29 S '63.

PREZENSZKI, Jozsef

Increasing the economy of handling goods by pallets. Kozleked kozl 19 no.3:35-37 20 Ja '63.

PREZENSZKI, Jozsef, okleveles kozlekedesi uzemmernok, egyetemi tanarseged

Up-to-date handling of piece goods by loading pallets. Kozl tud sz 12 no.10:459-465 O '62.

PREZENT, A.F.; GRIGOROVICH, A.T., red.

[Advice in the mechanization of animal husbandry] Sovety po mekhanizatsii v zhivotnovodstve. Voronezh, TSentral'no-Chernozemnoe knizhnoe izd-vo, 1965. 67 p. (MIRA 18:1)

1. Starshiy inzhener Voronezhskogo oblastnogo upravleniya proizvodstva i zagotovok sel'skokhozyaystvennykh produktov (for Prezent).

IVANOV, Filipp Ivanovich; KRZEM, I.I., ved. red.

[Sweet cherry and its biological foundations for its introduction in the northern regions] Cheresknie i biologicheskie osnovy ee osvoeniia. Moskva, Nauka, 1964. 381 p. (MIRA 17:11)

PREZENT, Isaak Izrailevich

[L.V.Michurin and his theories] L.V.Michurin i ego uchenie. Moskva, Akad.nauk, 1961. 192 p. (MIRA 14:7)
(Michurin, Ivan Vladimirovich, 1855-1935)

PREZENT, I. I.

The understanding of nature; the teaching of I.V. Michurin. Leningrad. Leningradskoe gazetno-zhurnal'noe i Knizhnoe izd-vo, 1946. 132 p.

1. Michurin, Ivan Vladimirovich, 1855-1935.

PREZENT, I. I.

42443. Biologicheskoe Znachenie dvoynogo oplodotvoreniya.
Agrobiologiya. 1948, No. 5, S. 45-57.

PRESENT I. .

PA 23/49T9

USSR/Academy of Sciences 1948
Medicine - Heredity, Mechanism

"Academician I. I. Prezent's Reply to L. A. Orbeli's Speech" 1 p

"Vest Ak Nauk SSSR" No 9

Alleges unfair treatment of Dr Sil'yander by Orbeli. (Matter previously mentioned by Skvortsov and Orbeli.) President Vavilov decided there was no justification for continuing discussion on matter which would be examined by Bureau.

LC 23/49T9

PREZENT, I. I. (Acad)

"The Transformation of Living Nature," Ogonyuk, 1949

Current Digest of Sov. Press, Vol. 1, No.19, 1946, page 16

PREZENT, I. I.

"In Memory of Petr Fedorovich Plesetskiy," Agrobiol., No.4, 1949

Leningrad U. im. Zhdanov

PREZENT, I.I.

Double fertilization and vitality. Izv.AN SSSR Ser.biol. no.1:59-73 Ja-F,1954. (MLRA 7:1)
(Wheat) (Fertilization of plants)

TELYATNIKOV,N.N.; VARUNTSYAN,I.S., akademik, redaktor; GLUSHCHENKO,I.Ye., doktor biologicheskikh nauk, redaktor; YENIKEYEV,Kh.K., kandidat bilogicheskikh nauk, redaktor; OL'SHANSKIY,M.A., akademik, redaktor; PEROV,S.V., kandidat ekonomicheskikh nauk, redaktor; PREZENT,I.I., akademik, redaktor; KHALIFMAN,I.A., kandidat biologicheskikh nauk, redaktor; YAKOVLEV,P.N., akademik, redaktor; BALLOD,A.I., tekhn. red.

[Michurin science in the service of the people; a collection of articles] Michurinskoe uchenie na sluzhbe narodu; sbornik statei. Moskva, Gos.izd-vo selkhoz.lit-ry. No.1. 1955. 269 p. (MLRA 9:4)

1. Vsesoyuznaya Akademiya sel'skokhoziaistvennykh nauk imeni V.I.Lenina.

(Michurin, Ivan Vladimirovich, 1855-1935) (Plant breeding)

PREZENT, I.I.

National scientist. Nauka i zhizn' 22 no.10:1-6 O '55. (MLRA 9:1)

1.Deystvitel'nyy chlen Vsesoyuznoy Akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina.
(Michurin, Ivan Vladimirovich, 1855-1935)

PREZENT, I.I., akademik.

Incompleteness and some inaccuracies in the publication of Michurin's works. Agrobiologiia no.3:151-155 My-Je '56. (MLRA 9:9)

1.Vsesoyuznaya akademiya sel'skokhozyyzstvennykh nauk imeni Lenina.
(Michurin, Ivan Vladimirovich, 1855-1935) (Plant breeding)

Prezent, I. I.

USSR/General Section - History, Classics, Personalities A-2

Abs Jour : Referat Zhurn. Biol. No 16, 25 Aug 1957, 67827

Author : Prezent, I.I.
Title : Theoretical Outlook and Research Methods of Luther Burbank.

Orig Pub : Izv. AN SSSR, biol. ser., 1956, No 4, 121-128

Abstract : No abstract.

Card 1/1

Prezent, I. I.

USSR/General Section - History, Classics, Personalities A-2

Abs Jour : Referat Zhurn. Biol. No 16, 25 Aug 1957, 67826

Author : Prezent, I.I.
Title : Luther Burbank (1849-1926).

Orig Pub : Sad i Ogorod, 1956, No 5, 50

Abstract : No abstract.

Card 1/1

PREZENT, I.I., akademik.

Greatest American plant breeder. Dokl.Akad.sel'khoz. 21 no.5: 3-5 '56. (MLRA 9:8)
(Burbank, Luther, 1849-1926) (Plant breeding)

PREZENT, I.I., akademik

New data on I.V. Michurin and his teaching. Biol.v shkole no.1:72-79 Ja-F '57. (MLRA 10:5)

1.Deystvitel'nyy chlen vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. Lenina.
(Michurin, Ivan Vladimirovich, 1855-1935)
(Plant breeding)

PREZENT, I.I., akademik.

Lenin and Michurin. IUn. nat. no.4:5 Ap '57. (MLRA 10:6)
(Lenin, Vladimir Il'ich, 1870-1924)
(Michurin, Ivan Vladimirovich, 1855-1935)

PREZENT, I.I., akademik

Ernst Haeckel, a militant biologist and materialist. Agrobiologiia no.5:707-716 S-O '59. (MIRA 13:2)

1. Institut genetiki Akademii nauk SSSR, Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina.
(Haeckel, Ernst Heinrich Philipp August, 1834-1919)

PREZENT, I.I., akademik

Does the organism in the state of anabiosis belong within the sphere of life? Agrobiologiia no.2:278-283 Mr-Ap '64.
(MIRA 17:6)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. Lenina.

PREZENT, I.I.

Specific features and method of the study of life with respect to its origin. Trudy Inst. gen. no.30:29-36 '63.

Darwin's historical and biological method and the biology of development. Ibid.:37-62

Development of genotype in ontogeny. Ibid.:63-70

Intraspecific relationships in alternating generations. Ibid.:265-268

(MIRA 17:1)

PREZENT, I.I.

Cognitive meaning of the historicobiological method.
Zhur. ob. biol. 24 no.5:334-344 S-O '63. (MIRA 17:1)

1. Institut genetiki AN SSSR, Moskva.

KOSTRIN, K.V., prof. (g. Ufa); PREZENT, I.I., akademik

"They retreated underground" by I.A. Khalifman. Reviewed by K.V. Kostrin, I.I. Prezent. Biol. v shkole no.5:93-95 S-O '62. (MIRA 16:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni Lenina (for Prezent).
(Termites)
(Khalifman, I.A.)

LYSENKO, T.D.; PAPANIN, I.D.; POZDNYAKOV, Ye.V.; VARUNTSYAN, I.S.; PREZENT, I.I.; LEPIKHIN, A.V.; GRIBANOV, R.N.; YUDIN, V.M.; GERCHIKOV, N.P.; KORYAZHNOV, V.P.; VSYAKIKH, A.S.; IL'INA, Ye.D.

In memory of Petr Aleksandrovich Manteifel'. Agrobiologiia no. 3:453-454 My-Je '60. (MIRA 13:12)
(Manteifel', Petr Aleksandrovich, 1882-1960)

PREZENT, I.I.

Problem of variability in the theory of Charles Darwin. Trudy Inst.gen. no.25:28-37 '59. (MIRA 15:8)

1. Institut genetiki AN SSSR.
(Darwin, Charles Robert, 1809-1882) (Variation (Biology))

PRE[illegible], I.I.

[illegible] ... [illegible], Biol. v [illegible] ... (MIRA 14:11)

1. Deystvitel'nyy [illegible] Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk [illegible] V.I. Lenina.

[illegible]

PREZENT, I. I.

Historical character of the relation of developmental stages. Analele biol 15 no.6:9-18 N-D '61.

PREZENT, I.I.

Historical aspect of the interrelationship of developmental stages. Zhur. ob. biol. 22 no.2:113-119 Mr-Ap '61. (MIRA 14:5)

1. Eksperimental'naya "Gorki Leninskiy" Instituta genetiki AN SSSR.
(ONTOGENY (BOTANY))

PRZENT, I.I., akad.

Cybernetics in biology. Agrobiologiia no.4:624-634 Jl-Ag '60.
(MIRA 13:8)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. Lenina.
(Cybernetics) (Biological research)

PREZENT, Isaak Izraylevich; NUZHDIN, N.I., otv.red.; FEDENEVA, T.V., red.izd-va; GUSEVA, A.P., tekhn.red.

[I.V.Michurin and his theories] I.V.Michurin i ego uchenie. Moskva, Izd-vo Akad.nauk SSSR, 1961. 192 p. (MIRA 14:3)

1. Chlen-korrespondent AN SSSR (for Nuzhdin).
(Michurin, Ivan Vladimirovich, 1855-1935)

PREZENT, Isaak Izraylevich, akademik; PLATONOV, G.V., prof., otv.red.; FEDENEVA, T.V., red.izd-va; GUSEVA, A.P., tekhn.red.

[J.B.Lamarck as a biologist-materialist] Biolog-materialist Zh.B.Lamark. Moskva, Izd-vo Akad.nauk SSSR, 1960. 58 p. (MIRA 13:10)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Prezent).
(Lamarck, Jean Baptiste, 1744-1829)

TELYATNIKOV, N.N.; VARUNTSYAN, I.S., akademik, red.; GLUSHCHENKO, I.Ye., doktor biolog.nauk, red.; YENIKEYEV, Kh.K., kand.biolog.nauk, red.; OL'SHANSKIY, M.A., akademik, red.; PEROV, S.V., kand.ekonom.nauk, red.; PREZENT, I.I., akademik, red.; KHALIFMAN, I.A., kand.biolog. nauk, red.; YAKOVLEV, P.N., akademik, red.; SAVZDARG, V.E., otv. za vypusk; BALLOD, A.I., tekhn.red.

[Michurin's teaching in the people's service; collection of articles] Michurinskoe uchenie na sluzhbe narodu; sbornik statei. Moskva, Gos.izd-vo sel'khoz.lit-ry. No.3. 1955. 238 p. (MIRA 13:6)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni Lenina. (Plant breeding) (Stock and stockbreeding)

PREZENT, I.I., akademik

Is biology a temporary science? Agrobiologiia no.4:489-503 Jl-Ag '59. (MIRA 12:10)

1.Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina.

(Biology)

GLUSHCHENKO, I.Ye., red.; NUZHDIN, N.I., red.; PASHINSKAYA, T.N., red.; PREZENT, I.I., red.; FEYGINSON, N.I., kand.sel'skokhoz.nauk, red.; OZEROV, V.N., red.; ZUBRILINA, Z.P., tekhn.red.

[Achievements in the field of biological sciences; materials of the anniversary session of the All-Union Academy of Agricultural Sciences dedicated to the centennial of I.V.Michurin's birth] Dostizheniia biologicheskoi nauki; materialy iubileinoi sessii VASKhNIL, posviashchennoi 100-letiiu so dnia rozhdeniia I.V.Michurina. Pod red. I.E. Glushchenko i dr. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 374 p. (MIRA 12:10)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina. 2. Moskovskiy gosudarstvennyy universitet, kafedra genetiki i selektsii (for Feyginson).

(Biology)

LOBANOV, P.; BREZHNEV, D.; OL'SHANSKIY, M.; LYSENKO, T.; LISAVENKO, M.; SINYAGIN, I.; YAKUSHKIN, I.; PREZENT, I.; VARUNTSYAN, I.; KOLESNIKOV, V.; YEVTUSHENKO, A.; ZASYADNIKOV, T.; ALISOV, M.; UTEKHIN, A.; GORSHKOV, I.; BELOKHONOV, I.; VIDENIN, K.; KARPOV, G.; CHERNENKO, S.; BAKHAREV, A.; TIKHONOVA, A.; KUZ'MIN, A.; BUZULIN, G.; TOLMACHEV, I.; LYSYUK, Ye.; KHARITONOVA, Ye.; KUSHNIRENKO, M.; NOVOPAVLOVSKAYA, N.; ZHIRONKIN, I.; KATSURA, O.; KIRYUKHIN, I.; NIKITIN, B.; TSVETAYEVA, Z.; ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.; LUTKOVA, I.; TSVETAYEVA, Z.; ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.; LUTKOVA, I.

P.N. IAkovlev; obituary. Agrobiologiia no.6:119 N-D '57.
(MIRA 10:12)

(IAkovlev, Pavel Nikanorovich, 1898-1957)

VSESVYATSKIY, B.V., prof.; MEL'NIKOV, M.I., kand.ped.nauk; PREZENT, I.I.; SHALAYEV, V.F., kand.ped.nauk

Was V.V. Polovtsov a materialist? Biol. v shkole no.5:13-17 S-O '58. (MIRA 11:11)

1. Deystvitel'nyy chlen Vsesoyuznoy adademii sel'skohozyaystvennykh nauk im V.I. Lenina (for Prezent).
(Polovtsov, Valerian Viktorovich, 1862-1918)

LYSENKO, T.D.; OL'SHANSKIY, M.A.; SINYAGIN, I.I.; GLUSHCHENKO, I.Ye.; VARUNTSYAN, I.S.; PREZENT, I.I.; SHCHERBINOVSKIY, N.S.; SHUMKOV, V.I.; YEVSTIGNEYEV, S.N.; KOCHEVER, A.M.; LITVIN, V.M.; YAYKOVA, A.T.; PODVOYSKIY, I.I.; SAKS, Ye.I.; KHALIFMAN, I.A.; FEYGINSON, N.I.; SHCHEGLOVA, Yu.N.; DLUGACH, G.V.; STERNIN, R.A.; LISOVSKAYA, O.V.; GUBINA, T.I.; ROZENFEL'D, M.I.: TSVETAYEVA, Ye.M.; PARKHOMENKO, Ye.V.; NEYMAN, N.F.

Sofia IAkovlevna Voitinskaia; an obituary. Agrobiologiia no.4:121 Jl-Ag '58. (MIRA 11:9)

(Voitinskaia, Sofi'ia Iakovlevna, 1898-1958)

PREZENT, I.I.

I.V. Michurin's contribution to the theory of evolution of the living nature during his post-October period of activities. Trudy Inst. gen. no.24:76-98 '58. (MIRA 11:9)
(Michurin, Ivan Vladimirovich, 1855-1935) (Genetics)

OL'SHANSKIY; LYSENKO; NAZARENKO; AVAKYAN; VARUNTSYAN; GLUSHCHENKO; PREZENT; VARENITSA; BALYURA; OZIRSKIY; TOMASHEVICH; SHAIN; TARKOVSKIY; TRET'YAKOV; NOVIKOV; FEYGINSON; TELYATNIKOV; KHALIFMAN; KONSTANTINOVA; SMIRNOV; VOINOV; STEPANOV SHOSTAK; BALABAN; CHUBASOVA; TKUCHUK

Timofei Ignat'evich Belash. Agrobiologiia no. 3:447-448 My-Je '61.
(MIRA 14:5)
(Belash, Timofei Ignat'evich, 1901-1961)

PRZESMYCKI F.

Horowicz, W., and Przesmycki, F., Z Panstwowego Zakladu Higieny w Warszawie. Poziom przeciwcial u ludzi chorych i o nieznanej anamnezie (zdrowych) dla zarazkow grypy A i B w okresie nasilenia epidemii w roku 1948-1949 Antibody content of A and B types of influenza virus during epidemics in the healthy and sick Polski Tygodnik Lekarski, Warsaw 1949, 4/47 (1401-1404) Graphs 1 Tables 4

The authors tried in 1948 to 1949 to establish the type of influenza virus by means of (1) isolation of the virus from the sick, (2) establishment of the antibody level inthe patients and in those unknown history. In two cases they succeeded in isolating the virus and in growing it on chick embryo; these strains belonged to type B virus. The average concentration of antibodies among the patients and convelescents in the period from October to December 1948 was found to be 61 units for type B and 24 units only for type A (PR-8) The average concentration of antibodies in healthy people or those with unknown history was: 21 units for type B and 8 units for type A. The average concentration of antibodies among the patients and convelescents in the period from January to April 1949 was 72 units for type A and 28 units for type B while among the healthy people and those with unknown history it was 24 units for type A and 11 units for type B. The findings point to the fact that during the autumn epidemic in 1948, the prevalent type of influenza virus

was type B and during the winter and spring epidemic in 1949 type A virus. The analyses were performed on 1,029 subjects, 320 patients or convalescents and 709 healthy persons of those with unknown history.

Przesmycki - Warsaw

SO: Medical Microbiology & Hygiene Section IV, Vol. 3, No. 7-12

PREZESMYCKI, F.

Achievements of the State Institute of Hygiene in 1953, p. 321. (ROCZNIKI, Wasaw, Vol. 5, no. 4, 1954.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955, Uncl.

PRZESMYCKI F.

Horowicz M., Presmycki F., Poziom przeciwcial dla za azka grypy u chorych i ozdrowiencow The level of influenza antibodies in the sick and convalescent Polski Tygodnik Lekarski, Warsaw 1949, 4/50 (1497-1500) Graphs 3

Eleven patients were tested several times for influenza during the period of illness and recovery. In some the tests were performed in the period preceding the appearance of symptoms. The results of those tests revealed that the influenza antibodies appear in the blood soon after the illness occurs (3-5 days); for some time a higher level is maintained and then a slow decline takes place to the state before the disease. The decrease of the antibodies was found to be much more rapid than that reported by other investigators. In one case influenza was caused twice by two different types, A and B.

Przesmycki - Warsaw

SO: Medical Microbiology & Hygiene Section IV, Vol. 3, No. 7-12

POLAND/Atomic and Molecular Physics - Heat. D

Abs Jour : Ref Zhur Fizika, No 10, 1959, 22414

Author : Terpilowski, Janusz, Prezezdziecka, Ekilia

Inst : Academy of Metals, Wroclaw, Poland

Title : Thermodynamic Properties of Liquid Solutions of Metals. Part III. Semi-Regular Binary Solutions.

Orig Pub : Arch. hutn., 1958, 3, No 4, 315-327

Abstract : On the basis of calculations performed in Part I (Referat Zhur met, 1958, No 10, 20661) and Part II (Referat Zhur Fizika, 1959, No 8, 17633) it is shown that liquid solutions Au-Dl, Bi-Cd, Bi-Sn, Cd-Pb, Cd-Sn, In-Zn, Pb-Sb, Sn-Tl, and Sn-Zn behave like semi-regular ones. The experimentally determined values of the change in the partial molar entropy for the components $\overline{\Delta S}_1$, $\overline{\Delta S}_2$) and the mixing entropy (S) in the entire

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Abs Jour : Ref Zhur Fizika, No 10, 1959, 22414

region of the solution concentration can be expressed by means of the following equations: $\Delta S_1 = -DR \ln N_1$; $\Delta S_2 = -DR \ln N_2$; $\Delta S = -\Delta R (N_1 \ln N_1 + N_2 \ln N_2)$; Where D is a coefficient that expresses the deviation of the solution from regularity (N_1 and N_2 are the concentrations of the first and second component in the solution). Numerical values are obtained for the coefficient D and are tabulated. If one considers the solution Sn Zn, Cd Pb, Ag Pb as semi-regular, one obtains a better agreement between the experimental and calculated data, then in the case of assuming these solutions to be regular. It is shown that the local ordering influences insignificantly the value of the coefficient D in semi-regular solutions. As can be seen from the results obtained, there exists a connection between the changes in the volume during mixing and the values of

Abs Jour : Ref Zhur Fizika, No 10, 1959, 22414

the coefficient D_1. Although this dependence is not proportional one can nevertheless say that changes in the volume play a substantial role in the changes of the coefficient D.

PRZEWOŹNIAK, T.

MD

Chemical changes in preserved blood. Z. Stolzmann, S. Magas, M. Pietz, T. Przewoźniak, and Z. Zubrzycki. *Poznań. Towarz. Przyjaciół Nauk, Prace Komisji Med. Doświadczalnej* 11, 3–18(1954)(English summary).—Three different samples of human blood were investigated for biochem. changes in both blood phases during 28 days preservation at 3°; data were secured on the 1st day of the preservation and each 3rd day thereafter. In plasma Fe increased from 214–286 to 280–894 γ/100 ml.; nonprotein N from 18.4–21.8 to 18.1–33.1 mg. %; and total and inorg. P from 8.5–10.1 and 2.0–2.2 to 12.0–17.5 and 6.1–8.5 mg. %, resp. The relative light transmittance at 510 and 560 mμ of the plasma solns. dild. 1:6 with a saline soln. decreased from 87 and 90 to 43 and 42 %, resp.; total proteins (5.8–6.0%), uric acid (2.0–3.8 mg. %), urea (24.2–34.2 mg. %), and the n (1.3489–92) remained nearly unchanged. In whole blood inorg. P increased from 7.6–9.4 to 13.2–14.6 mg. %, while glucose dropped from 390–401 to 210–272 mg. %; a surprising decrease of nonprotein N was noticed. The detn. of the resistance of erythrocytes to physiol. NaCl soln. (0.9%) revealed a partial hemolysis of the erythrocytes after 13–16 days storage. Thus, erythrocytes and to some extent leucocytes are responsible for the biochem. changes in preserved blood. E. Wierbicki

4

PREZHBOG, K.

Struggling for technical progress. Rech. transp. 19 no.10:22 24 O '60. (MIRA 13:11)

1. Direktor zavoda imeni 40 godovshchiny Oktyabrya.
(Inland water transportation--Technological innovations)

PRIADCENCU, Al.; VULPE, V.; DOUCET, V.

Study of some varieties of the Soviet and Bulgarian sunflowers under the climatic and soil conditions of the region of Bucharest. Comunicarile AR 11 no.9:1091-1096 S '61.

1. Membru corespondent al Academiei R.P.R.(for Priadcencu).

PRIADCENCU, Al.

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees: -not given-

Affiliation:

Source: Bucharest, Comunicarile Academiei Republicii Populare Romine, Vol XI, No 9, 1961, pp 1091-1096.

Data: "Studies on the Soviet and Bulgarian Varieties of Sun Flower in the Climate and Soil Conditions of Bucharest Regiune."

Authors:

PRIADCENCU, Al., Corresponding Member of the Academy of the Rumanian People's Republic (Academia R.P.R.).
VULPE, V.
DOUCET, V.

PRIADCENCU, Alexandru; AVRAMOAIE, P.; MOISESCU, M.; CERNESCU, L.

Studies on the biological effects of thermal neutrons and X-ray irradiations in autumn barley. Rev biol 5 no.3:177-191 '60.
(EEAI 10:4)

1. Section of genetics and Plant Breeding Institute of Agricultural Research of the Academy of the R.P.R.
(BARLEY)
(NEUTRONS)
(X RAYS)

PRIACHIN, Jan

Atabrine and resochin in the treatment of chronic discoid lupus erythematosus. Przegl.derm.,Warsz.46 no.3:277-283 My-Je '59.

1. Z Kliniki Dermatologicznej A.M. w Poznaniu. Kierownik: prof. dr. A. Straszynski.

(QUINACRINE ther.)
(CHLOROQUINE ther.)
(LUPUS ERYTHEMATOSUS ther.)

PRIADCENCU, A.; MELACRINOS, A.

New lines of spring wheat of the Triticum durum species. p. 683.
Academia Republicii Populare Romine. COMUNICARILE. Bucuresti.
Vol. 6, no. 5, May 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress.
Vol. 5, no. 9, Sept. 1955

PRIADCENCU, Al., ing.

Realizations obtained in the culture of maize and some cereal grasses. Natura Biologie 16 no.4:41-46 Jl-Ag '62.

1.Membru corespondent al Academiei R.P.R.

PRIADCENCU, Al.; BORDEIANU, T., acad.; GRINVALD, Clara; STEFAN, N.; BELDIE, Al.; ANGHEL, Gh.; CEAPOIU, N.; CARAUSU, D.; COCIU, V.

Concept of species reflected in Rumanian works on cultivated plants. Studii cerc biol s. bot 16 no. 2:153-162 '64.

1. Institute of Research of Cereals and Industrial Plants, Laboratory of Hybridization. 2. Corresponding Member of the Rumanian Academy (for Priadcencu, Ceapoiu).

PRIADCENCU, A., AND OTHERS

New forms of plants, obtained through the crossing of the distant spikes. In Russian. p. 111.

REVUE DE BIOLOGIE. JOURNAL OF BIOLOGY. (Academia Republicii Populare Romine) Bucuresti, Rumania. Vol. 3, no. 1, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

PAL.DCHCU, A. (and others)

New forms of plants obtained from the crossings of remote varieties of cured cereals. p. 115

STUDII SI CERCETARI DE BIOLOGIE. SERIA BIOLOGIE VEGETALA. Bucuresti, Rumania. Vol. 11, no. 2, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, August 1959.

Uncl.

PRIADCENCU, Al.; MOISESCU, Lucia

Tetraploid forms of self-pollinated rye. Studii cerc biol veget 14 no.4:383-396 '62.

1. Membru corespondent al Academiei R.P.R. (for Priadcencu).

PRIADCENCU, Al., ing.

G.Anghel's Determinarea calitatii semintelor (Detetmining the Quality of Seeds); a book review. Studii cerc biol veget 12 no.1: 145-146 '60. (EEAI 10:1)
(Anghel, Gheorghe) (Seed)

Country : Rumania M
CATEGORY : Cultivated Plants. Grains.

ABS. JOUR. : RZBiol., No. 21, 1958, No. 95908

AUTHOR : Priadcenou,AL.; Malaerinos,A.; Enescu,S.; *
INST. : Academy of Sciences RPR
TITLE : Preliminary Results of Introducing "Arnăut de Teamsă", Winter Arnautka Wheat , into Cultivation
ORIG. PUB. : Bul. ştiinţ. Acad. RPR. Sec. biol. şi ştiinţe agric., 1956, 8, No. 4, 817-825
ABSTRACT : On the basis of the findings of variety tests made at the experimental stations in Rumania, winter Arnautka (Tr.durum v. Coerulescens) which yields a large grain with high protein content is recommended for cultivation in Oltenia and Dataia.

* Boldea, El.

CARD: 1/1

PRIADCENCU, Al., ing.

Present research in field plant genetics. Natura Biologie 16 no.3:3-12 My-Je '64.

1. Corresponding Member of the Rumanian Academy, Bucharest.

PRIADCHENKO, A.

25-9-22/40

AUTHOR: Priadchenko, A., Member-Correspondent of the Academy of Sciences of the Rumanian People's Republic

TITLE: Corn Hybrids (Gibridy kukuruzy)

PERIODICAL: Nauka i Zhizn', 1957, # 9, p 49-50 (USSR)

ABSTRACT: Corn is one of the most widespread agricultural crops in the Rumanian People's Republic. By means of hybrid seeds high-yielding varieties of corn are cultivated to achieve still better results. The author points out the difference between direct crossbreeding of two ordinary corn varieties and the hybridization of inbred lines. Corn seeds obtained by the first method yield by 5 % to 15 % higher crops than the parental varieties. In the second generation, however, the yield is back to normal again. The other method of obtaining hybrids is the crossbreeding of self-pollinated lines. Hybrids of corn varieties which have been self-pollinated over a period of several years are apt to develop outstanding properties, such as better disease and drought resistance and stronger stalks. The best lines are then hybridized and yield higher crops than crossbreds of ordinary corn sorts. Experimental stations of

Card 1/2

Corn Hybrids 25-9-22/40

the Rumanian Scientific Research Institute of Agriculture are studying various types of corn relative to their ability to hybridize in the various zones of the country.

There are 5 figures.

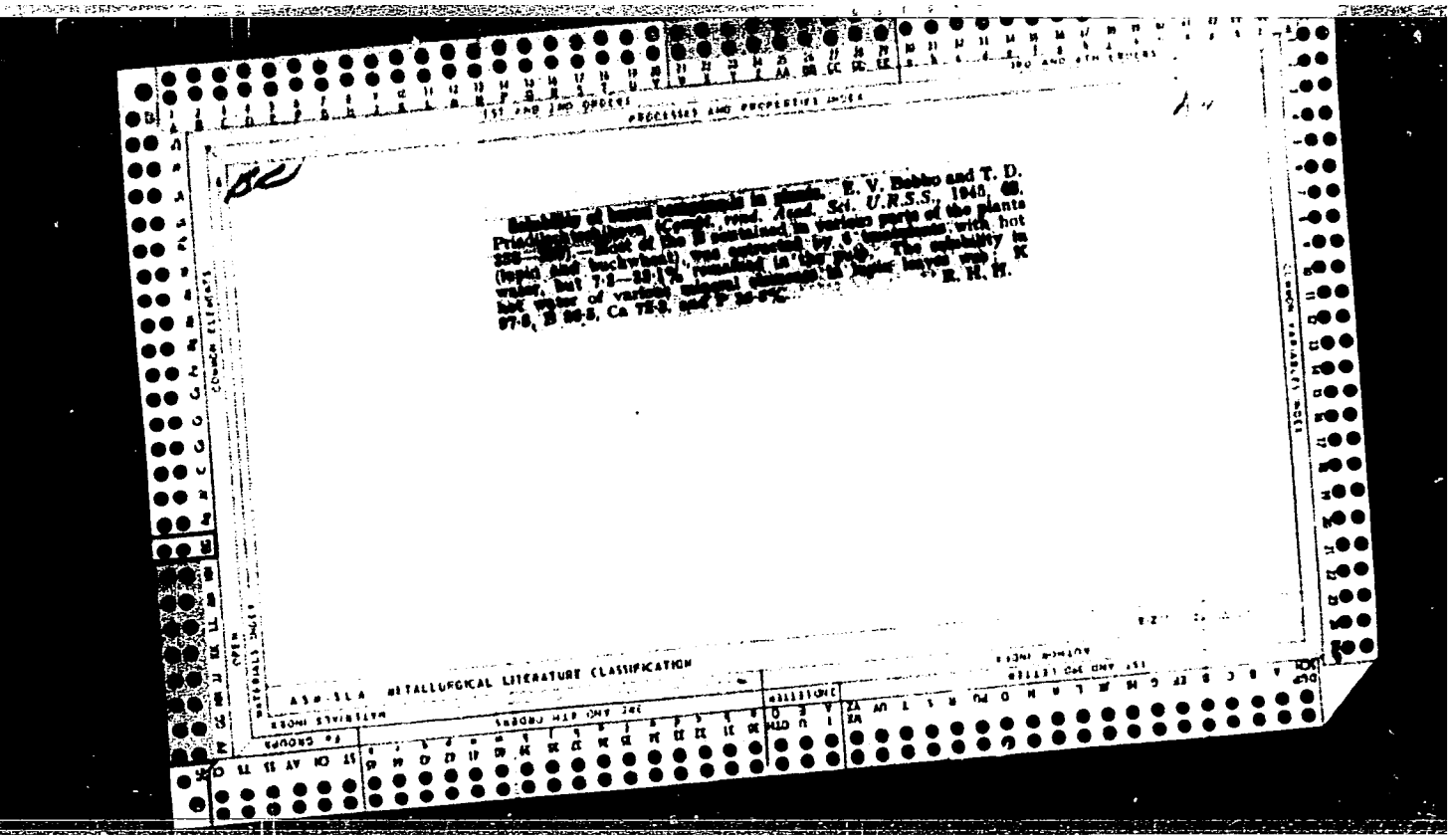
AVAILABLE: Library of Congress

Card 2/2

PRIADCENCU, Al.; AVRAMOAIE, P.; DOUCET, Victoria

The effect of seed irradiation on the first three generation of flax. Rev biol 6 no.4:391-400 '61.

1. Institute for Agricultural Research. Plant Breeding Section.

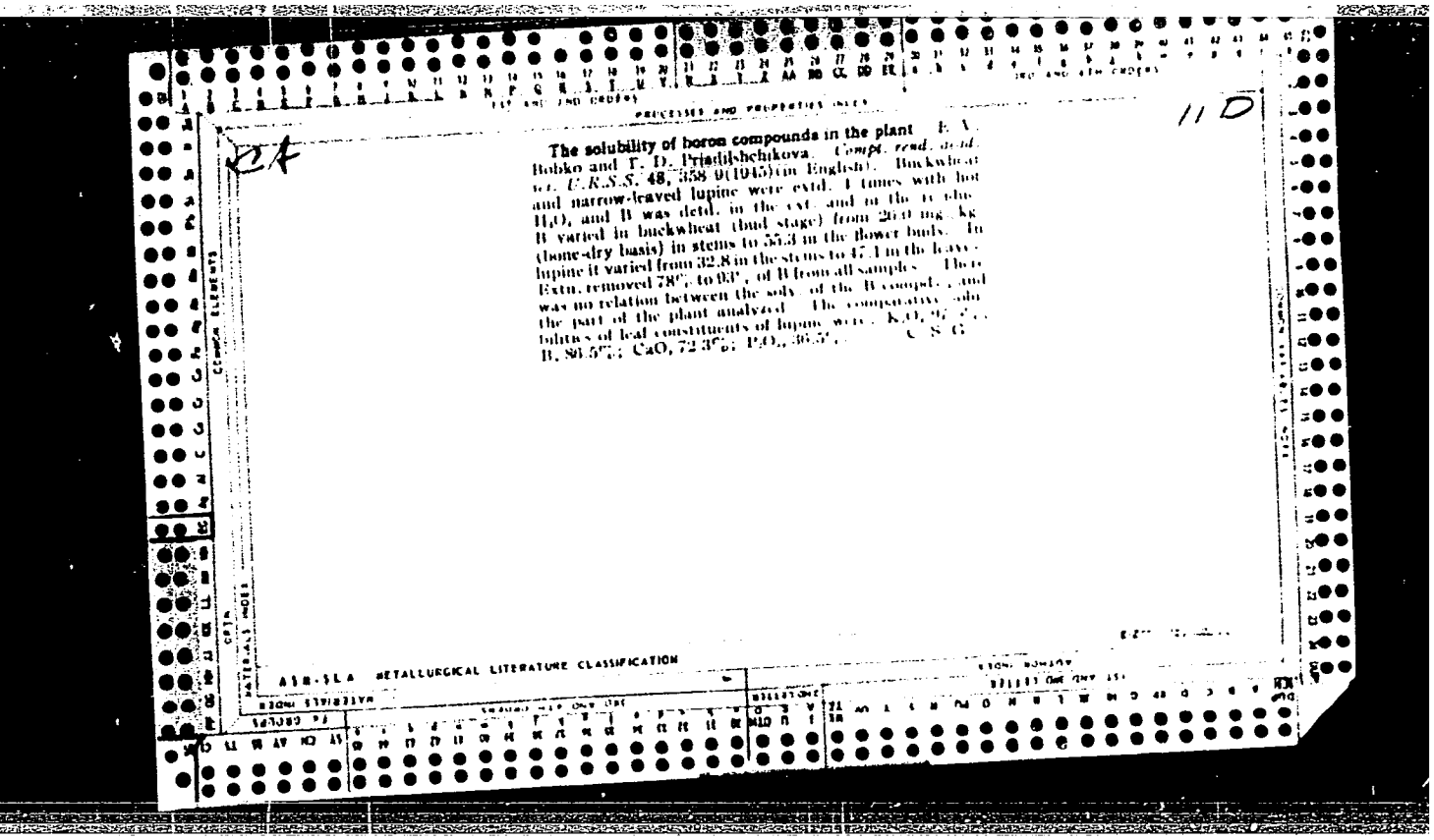


PRIADILSHCHIKOVA, T. E.

"On the Solubility of Boron Compounds in the Plant," Dok. AN, 48, No. 5, 1945.

"Effect of Sodium Chloride upon the Yield of Oats in the Presence of Various Substances (Potassium Bicarbonate, Ashes, Etc.)," Dok. AN, 48, No. 7, 1945.

c1945-.



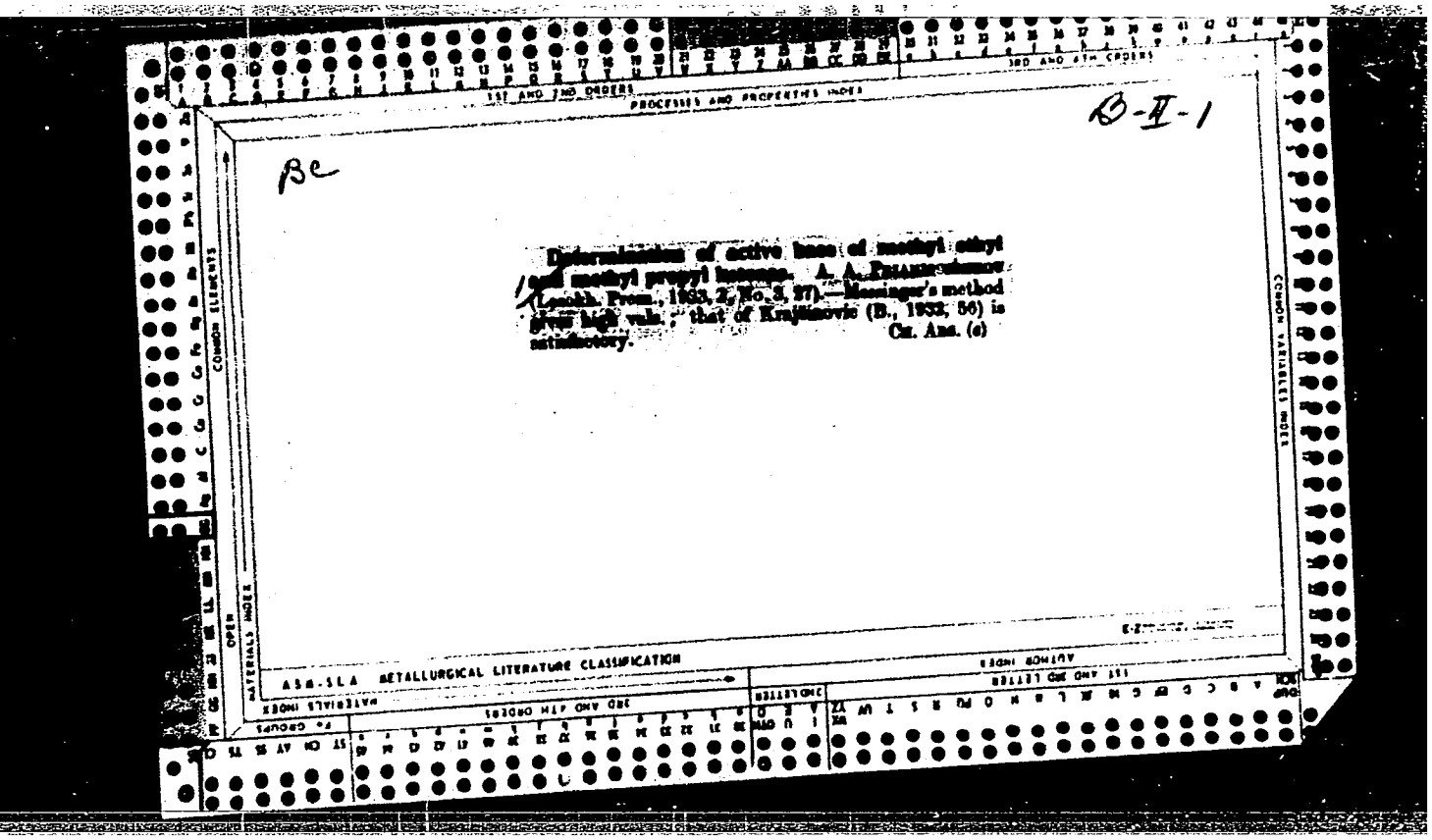
The solubility of boron compounds in the plant E. V. Bobko and T. D. Priadilshchikova. *Compt. rend. acad. sci. U.R.S.S.* **48**, 358-9(1945)(in English). Buckwheat and narrow-leaved lupine were extd. 4 times with hot H_2O, and B was detd. in the ext. and in the ash. The B varied in buckwheat (bud stage) from 20.0 mg./kg. (dome-dry basis) in stems to 55.3 in the flower buds. In lupine it varied from 32.8 in the stems to 47.1 in the leaves. Extn. removed 78% to 93% of B from all samples. There was no relation between the sol. of the B compds. and the part of the plant analyzed. The comparative solubilities of leaf constituents of lupine were: K_2O, 9[illegible]; B, 80.5%; CaO, 72.3%; P_2O_5, 36.5%. C. S. G.

A58-5LA METALLURGICAL LITERATURE CLASSIFICATION

PRIAKHIN, V. D.

Planting flowers and shrubs in window boxes and on balconies. Moskva, Ministerstvo kommunal'nogo khoziaistva RSFSR, 1954. 62 p.

1. Window-gardening.



PRIAKHIN, V. A.

5210. Some eco-physiological peculiarities of the rodents *Meriones tamariscinus* Pall. and *Pallasiomys meridianus* Pall. N. I. Kalabukhov and V. A. Priakhin *Zool. Zh.*, 1954, 33, 899—903; *Referat. Zh. Biol.*, 1955, Abstract No. 49988.—The peculiarities of thermoregulation and change in the number of leucocytes in the blood, at different seasons, were studied in two species of rodents. The level of metabolism in *Pallasiomys meridianus* is twice as high as in *Meriones tamariscinus*; the rate of O_2 consumption sharply rises in the autumn–winter periods. In *Meriones tamariscinus* no sharp changes in O_2 consumption at different seasons were noticed. Both species show a difference in the aggregate number of leucocytes and neutrophils in the summer and winter periods. The lower sensitivity of *Meriones tamariscinus* to seasonal fluctuation in temp. is explained by its special thermoregulatory device, which is connected with its nocturnal activity and solitary existence in comparatively damp habitates. The low level of metabolism in *Meriones tamariscinus* contributes to its higher susceptibility to infection by plague. The susceptibility of *Pallasiomys meridianus* varies with the time of year. These two species show not only marked morphological differences, but still more significant eco-physiological differences. (Russian)

O. LANG

Pryakhina, L. I.

85000

4277* (Russian.) Investigation of the Five Component System, Nickel-Chromium-Tungsten-Titanium-Aluminum. Issledovanie chasti piaternoi sistemy nickel'-khrom-vol'fram-titan-aliuminii. I. I. Korniłov, L. I. Priakhina, and O. V. Ozhimkova. *Izvestiia Akademii Nauk SSSR, Otdelenie Khimicheskikh Nauk*, 1956, no. 8, Aug. 1956, p. 885-888.

Investigation in the region of Ni solid solution using a spatial system. Study of alloys with variable content of Al, Ti, and W resulted in formulating alloys with high mechanical properties.

LFH BM

PRIAKHINA L. I.

5640* Correlation Between Composition, Temperature and Strength for Alloys of the Aluminum-Magnesium System. Soot-noshenie mezhdu sostavom, temperaturoi i prochnost'iu splavov sistemy aliuminii-magnii. (Russian.) I. I. Kornilov and L. I. Priakhina. *Izvestiia Akademii Nauk SSSR, Otdelenie Tekh-*[illegible] Nauk, 1954, no. 9, Sept., p. 85-89.

Presents solubility curves and various strength tests. Graphs, tables. 0 ref.

L 36969-66 EWD/EEC(k)-2/T/EWP(k) IJP(c) WG
ACC NR: AP6027851 SOURCE CODE: CZ/0024/66/000/002/0036/0039

AUTHOR: Priam, Stefan (Engineer)

ORG: Institute of Theory of Measurement, SAV, Bratislava (Ustav teorie merania SAV)

TITLE: Possibility of the use of lasers to measure lengths

SOURCE: Geodeticky a kartograficky obzor, no. 2, 1966, 36-39

TOPIC TAGS: laser application, laser beam, quantum electronics, distance measuring equipment

ABSTRACT: The article discusses quantum electronics and the conditions for the functioning of lasers, the characteristics of rays of light coming from a laser, and the design of lasers. The possibility of the use of lasers to measure lengths is pointed out. This paper was presented by Engineer František Šilav, VUGTK, Prague. Orig. art. has: 3 figures. [Based on author's Eng. abst.] [JPRS: 35,326]

SUB CODE: 09, 20 / SUBM DATE: none / ORIG REF: 004 / SOV REF: 001
OTH REF: 011

Card 1/1 UDC: 528.51:621.375.0.029.6=82

PRIB, O. A.

Distr: 4E2c(j)/4E3d

Aromatic esters of 4-chlorobenzenesulfonic acid. O. A. Prib and N. I. Gritsai (State Univ., Lvov). *Ukrain. Khim. Zhur.* 25, 758–9(1959)(in Russian).—Substituted PhOH and *p*-$ClC_6H_4SO_2Cl$ form the following esters (ester substituents and m.p. of ester given): 4,2-$Cl(O_2N)$, 91–2°; 2,4-$Cl(O_2N)$, 101.5–3°; 2,3-$Cl(O_2N)$, 124.5–6°; 2,6-$(O_2N)_2$, 150°; 2,5-$(O_2N)_2$, 126°; 3,4-$(O_2N)_2$, 126°; *p*-I, 99–100°; *p*-Br, 95–7°; 2,4-Cl_2, 126°; *p*-H_2N, 125–6°; 4,2-$Cl(H_2N)$, 130–40°.

John Howe Scott

PRIBIL, R.

A new rapid method for the determination of thorium in the presence of zirconium, iron, lanthanum, uranium, and other heavy metals. Rudolf Přibil and Kálmán Burger (Czech. Acad. Sci., Prague). *Magyar Kém. Folyóirat* 65, 204–6 (1959).—Place a stock soln. contg. 5–30 mg. Th into a 100-ml. titration flask, add 10–20 ml. (depending upon the Zr and(or) Fe^{3+} content) 0.1*M* Complexon III, adjust the pH with 2*N* NH_4OH to 2–3.5 (use universal indicator paper), add 3–4 drops 0.1% aq. Xylenol Orange indicator, and titrate the excess Complexon III with 0.1*M* $Bi(NO_3)_3$ until the appearance of orange-yellow color. Because the acidity of the $Bi(NO_3)_3$, it is necessary to readjust the pH to 2–3.5 with 2*N* NH_4OH soln. during the titration and at the end-point. After this is done, the exact end-point is established by the addn. of addnl. 0.01*M* Complexon III and 0.01*M* $Bi(NO_3)_3$. Add 1 g. powd. Na_2SO_4 to the mixt., acidify with 1–1.5 ml. 2*N* HNO_3, and titrate the amt. of Complexon III equiv. to the Th content with 0.01*M* $Bi(NO_3)_3$. If the color of the soln. changes to orange in the course of this titration, acidify with a few drops of 2*N* HNO_3 and titrate until the appearance of a reddish-violet color. One ml. 0.01*M* $Bi(NO_3)_3$ is equiv. to 2.321 mg. Th. The method is accurate to within ±1% and is suitable in the presence of large amts. of Zr, Fe, La, U, Mn, and (or) Mg and in the presence of small amts. of Co and(or) Ni. G. J. Ernyei

SAPOZHNIKOV, D.I.; MAYEVSKAYA, A.N.; KRASOVSKAYA-ANTROPOVA, T.A.; PRIALGAUSKAYTE, L.L.; TURCHINA, V.S.

Effect of anaerobic conditions on changes in the ratio of main carotinoids in green leaves [with summary in English]. Biokhimiia 24 no.1:39-41 Ja-F '59. (MIRA 12:4)

1. Botanical Institute, Academy of Sciences of the U.S.S.R., Leningrad.

(LUTEIN) (VIOLAXANTHIN)
(PLANTS, EFFECT OF OXYGEN ON)

PRIALNIC, A.

H-17

RUMANIA / Chemical Technology, Chemical Products and Their Application, Part 3. - Drugs, Vitamins, Antibiotics.

Abs Jour : Ref Zhur - Khim., No 14, 1958, No 47777

Author : M. Sternberg, B. Benis, A. Solomon, Renee Ghimpu, Luliana Conu, A. Miss, I. Andronic, Ciocanelea, A. Prialnic, Alice Ilian, Hermia Schreiber.

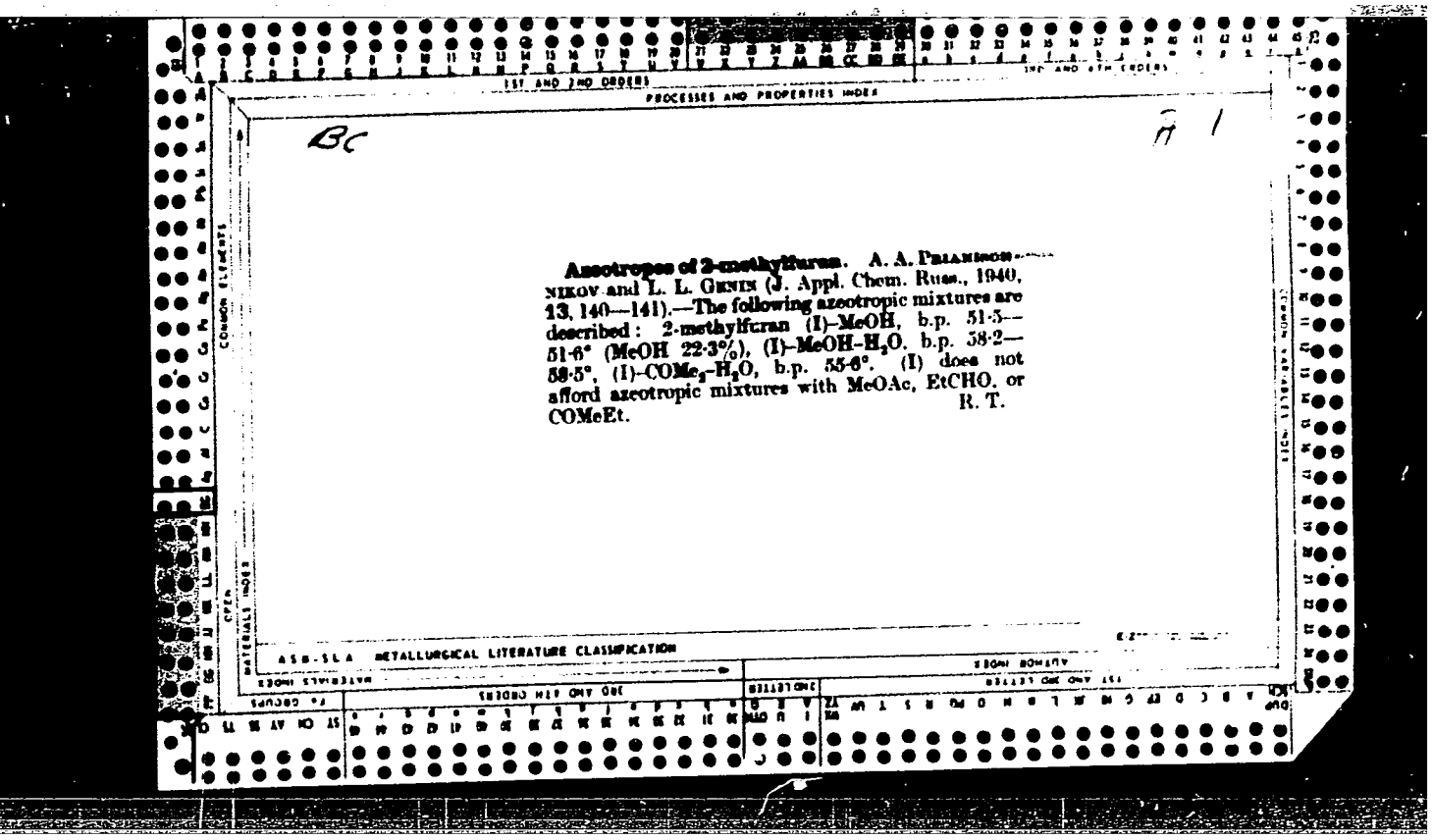
Title : Dicillin (Dipenicillinate of N,N'-Dibenzylethylenediamine).

Orig Pub : Rev. cmin., 1957, 8, No 5, 339 - 341

Abstract : Methods of N,N'-dibenzylethylenediamine dipenicillinate preparation of chrystalline penicillin G or various intermediate phases of its extraction or purification are described. Hints concerning the preparation of some Galenic forms (tablets and injection suspensions) and the methods of chemical and microbiological analyses are presented.

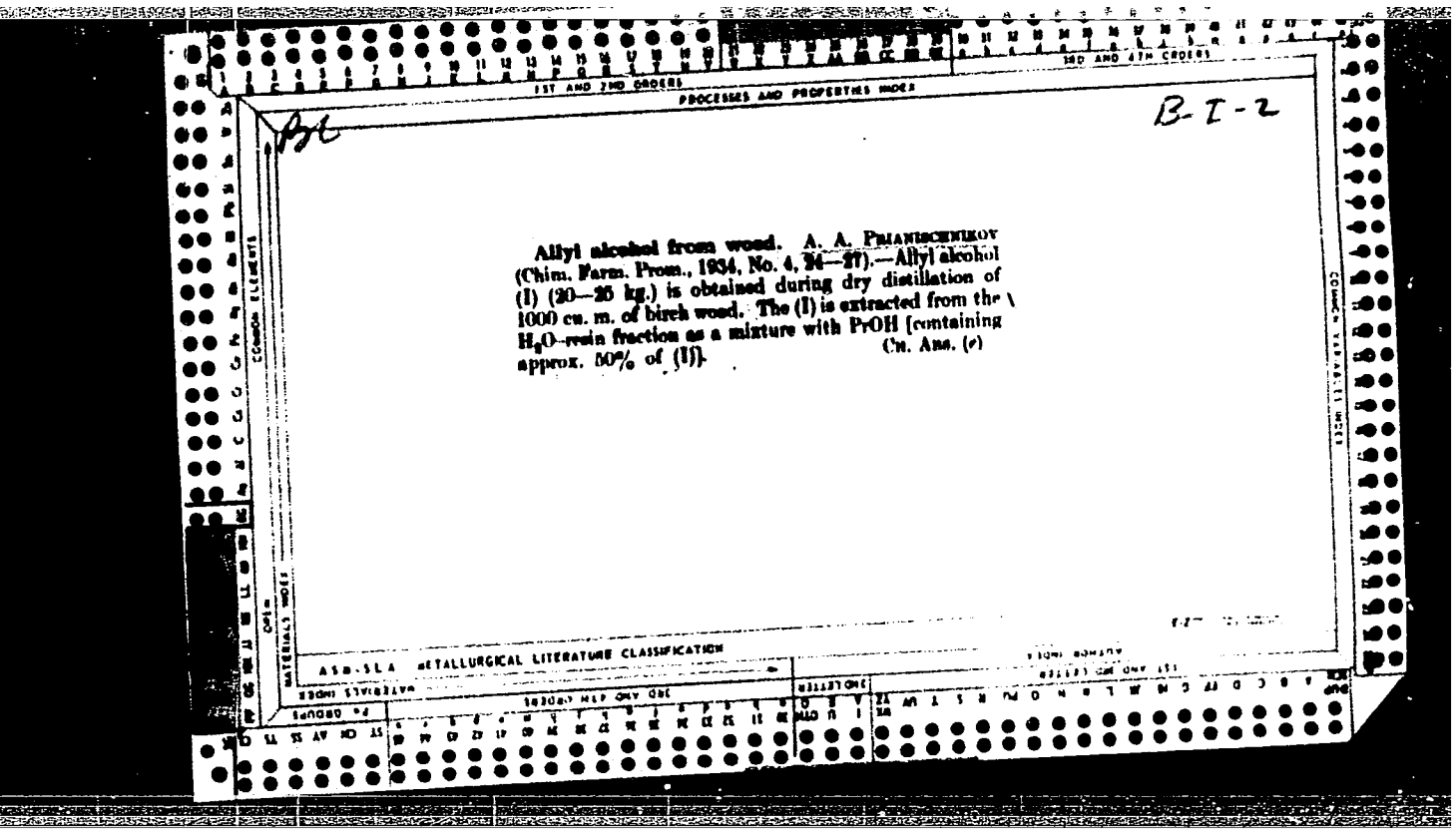
PRIALNIC, A.

Applying Infrared Heating in the Dragee and Polyvitamin Production.
Revista De Chimie (Journal of Chemistry), #2:92:Feb 55



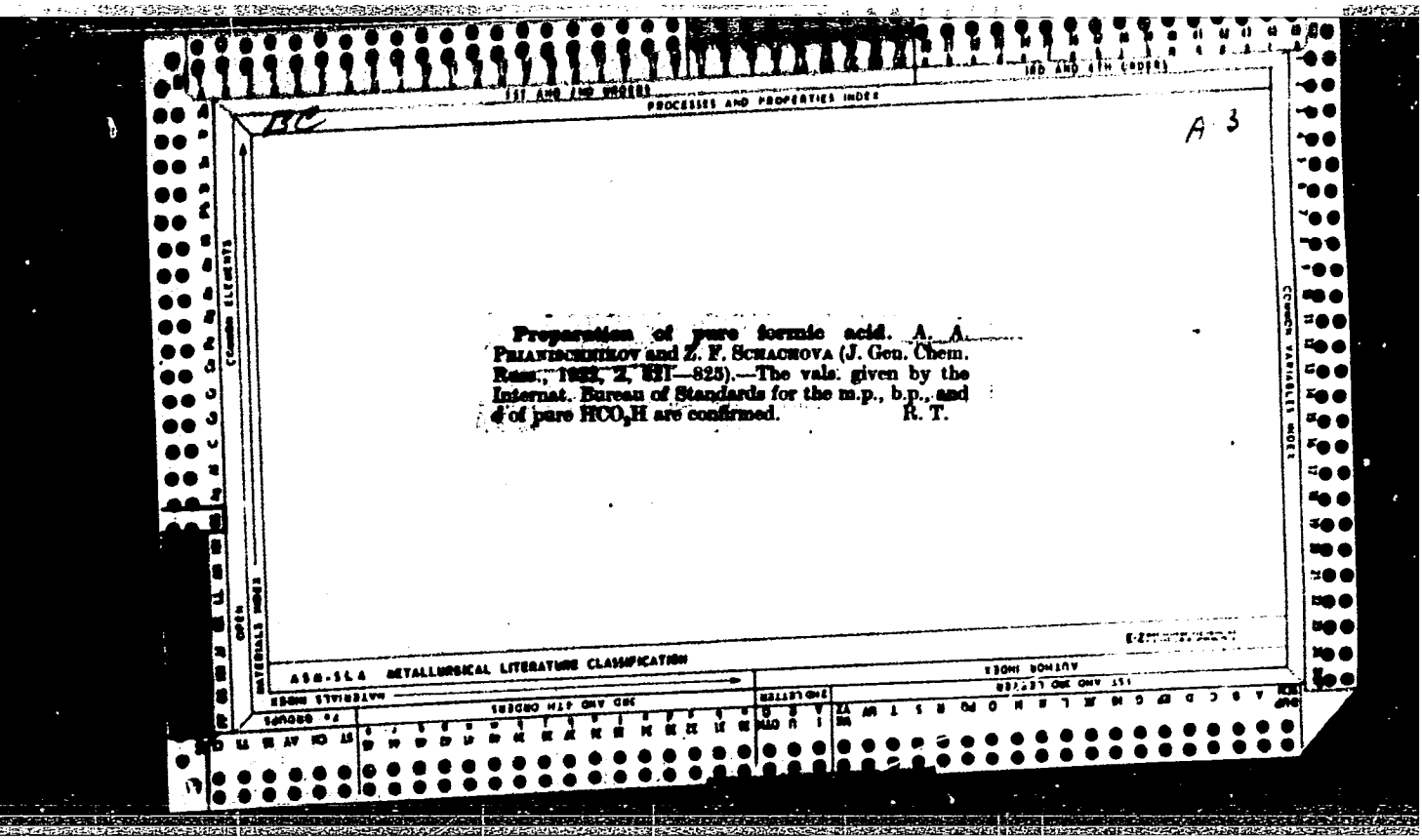
Azeotropes of 2-methylfuran. A. A. Prianishnikov and L. L. Genis (J. Appl. Chem. Russ., 1940, **13**, 140—141).—The following azeotropic mixtures are described: 2-methylfuran (I)–MeOH, b.p. 51·5—51·6° (MeOH 22·3%), (I)–MeOH–H_2O, b.p. 38·2—38·5°, (I)–$COMe_2$–H_2O, b.p. 55·6°. (I) does not afford azeotropic mixtures with MeOAc, EtCHO, or COMeEt.

R. T.

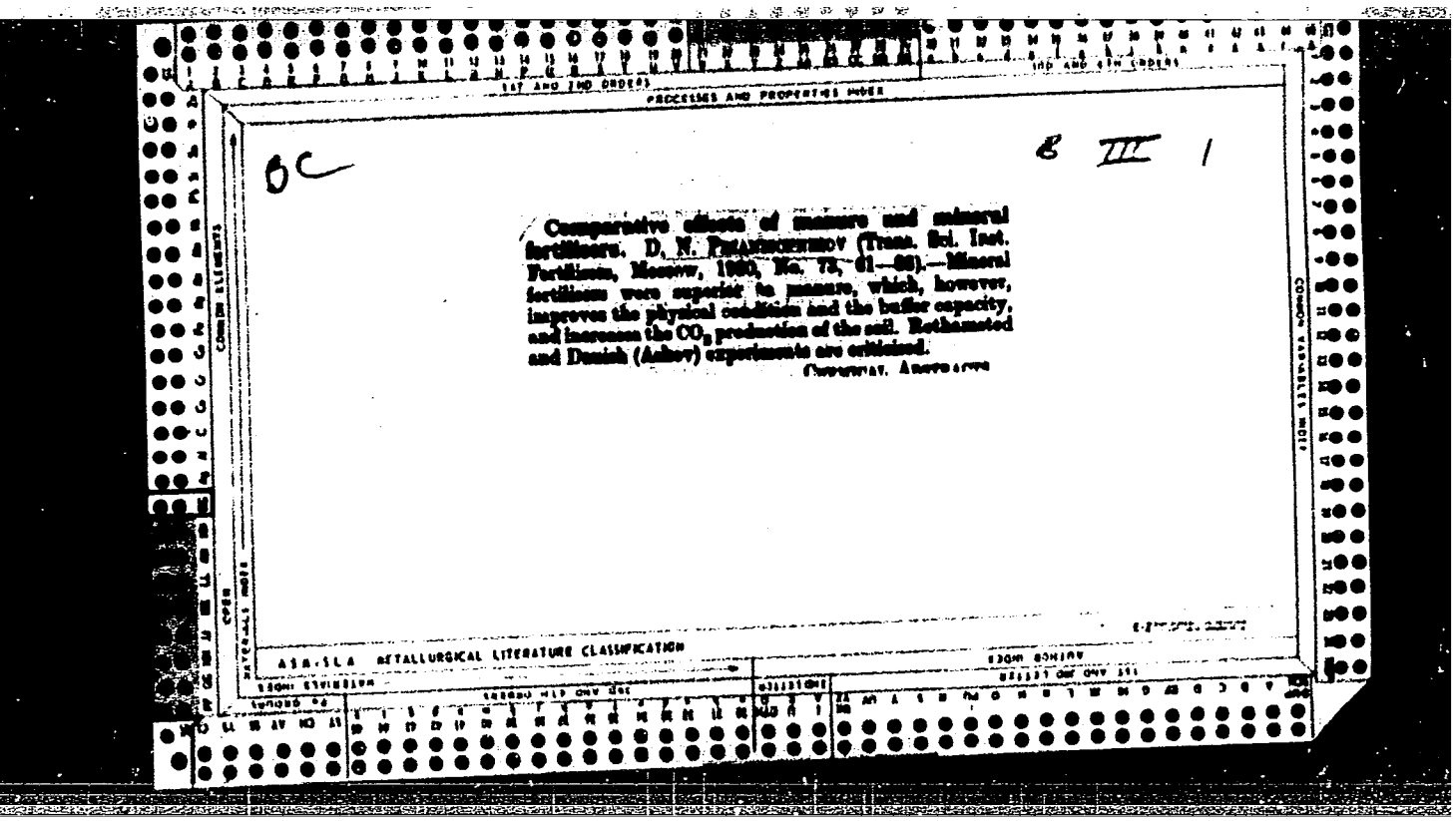


B-I-2

Allyl alcohol from wood. A. A. PRIANISCHNIKOV (Chim. Farm. Prom., 1934, No. 4, 24—27).—Allyl alcohol (I) (20—25 kg.) is obtained during dry distillation of 1000 cu. m. of birch wood. The (I) is extracted from the H_2O–resin fraction as a mixture with PrOH [containing approx. 50% of (I)]. (Ch. Abs. (e)



Preparation of pure formic acid. A. A. PRIANISCHNIKOV and Z. F. SCHACHOVA (J. Gen. Chem. Russ., 1932, 2, 811—825).—The vals. given by the Internat. Bureau of Standards for the m.p., b.p., and d of pure HCO_2H are confirmed. R. T.

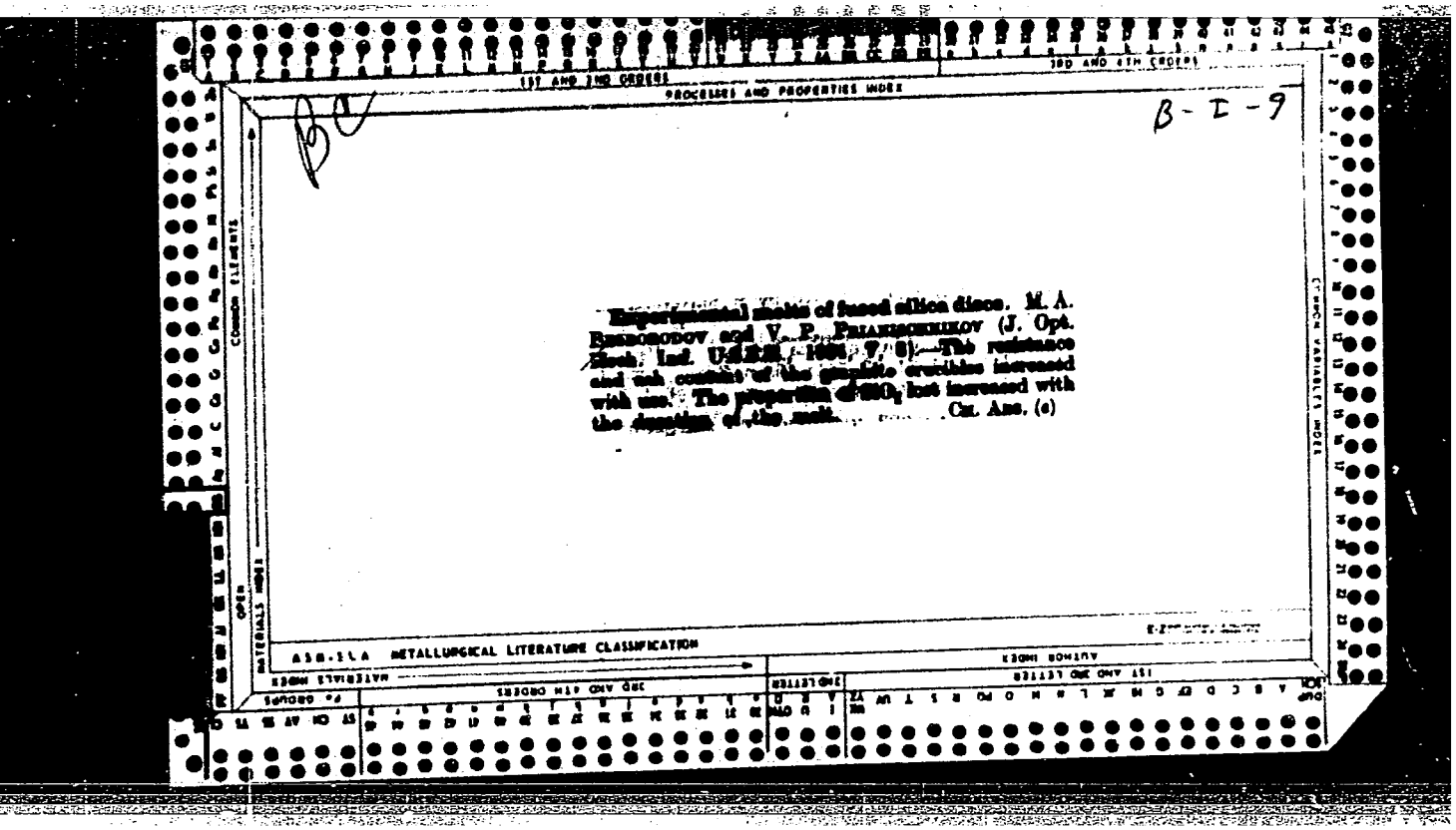


8C

8 III 1

Comparative effects of manures and mineral fertilizers. D. N. Pryanishnikov (Trans. Sci. Inst. Fertilizers, Moscow, 1930, No. 73, 61–88).—Mineral fertilizers were superior to manure, which, however, improves the physical condition and the buffer capacity, and increases the CO_2 production of the soil. Rothamsted and Danish (Askov) experiments are criticized.

A.S.A.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION



PRIANISHNIKOV, N.

Praktikum po Organicheskoi Khimii (Handbook on Organic Chemistry)

245 p. 1.50

SO: Four Continent Book List, April 1954

PRIAMISHNIKOV, S. ; [illegible]NOV, B.

PRIAMISHNIKOV, S.; [illegible]NOV, B. Results from testing pressing cylinders with different coverings. Tr. from the Russian. p. 23.

Vol. 5, No. 5, 1956.
LEKA PROMISHLENOST.
TECHNOLOGY
Sofiia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

MALINOVSKIY, M.S.; PRIB, O.A.

Allyl esters of aromatic sulfonic acids and some of their derivatives. Zhur.ob.khim. 32 no.6:1885-1888 Je '62. (MIRA 15:6)

1. L'vovskiy gosudarstvennyy universitet.
(Sulfonic acids) (Allyl group)

USSR/Physical Chemistry - Thermodynamics. Thermochemistry. Equilibrium. Physico-chemical Analysis. Phase Transitions, B-8

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 349

Author: Cherkashin, Ye. Ye., and Prib, O. A.

Institution: Lvov University

Title: On the Determination of the Molecular Weight of Associated Substances in Solution

Original Periodical: Nauk. zap. L'vivs'k. un-tu, 1955, Vol 34, 91-97

Abstract: The equation giving the molar depression as a function of the concentration $\theta = \Delta t/m = f(m)$ was used in the determination of the molecular composition of associated substances by cryogenic methods. The authors confirmed that the extrapolation of $\theta = f(m)$ to $m \rightarrow 0$ in the determination of molecular composition is useful only in cases for which a definite association reaction with a sufficiently large constant ($K_m > 10^5$) has been established. In all other cases a shift in equilibrium considerably changes the molecular composition with changing

Card 1/2

USSR/Physical Chemistry - Thermodynamics. Thermochemistry. Equilibrium. Physicochemical Analysis. Phase Transitions, B-8

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 349

Abstract: concentration and does not permit the elimination of polar interaction by extrapolation to infinite dilution. The experimental data on the systems investigated show that solutions of CCl_4 and o-nitrophenol in benzene represent nearly ideal systems; O- and n-cresol solutions in benzene are not associated; alcohols and formic acid show undetermined association; and CH_3COOH and C_2H_5COOH form dimers.

Card 2/2

ZEMLYANSKIY, N.I; PRIB[illegible]-O[illegible], student IV kursa; SHARYPKINA, M., student IV kursa; KOSTENKO, A., student III kursa; CLUSHKO, A., student III kursa; KOZHEVNIKOVA, O., student III kursa; KRASILOVSKAYA, T., student III kursa; SERGEDA, N., student III kursa; PINTOVA, N., student III kursa; TSERKEVICH, G., student III kursa; SHAPKA, V., student III kursa

Condensation of aromatic hydrocarbons with halogen derivatives of aldehydes. Nauk. zap. L'viv. un. 13:129-135 '49.
(MIRA 12:10)

1.Kafedra organicheskoy khimii L'vovskogo gosudarstvennogo universiteta im. I. Franko.
(Hydrocarbons) (Aldehydes)

PRIB, O. A.

Zemlianskii, N. I., Prib, O. A., SLarypkina, N. IA.-"Oxidation of hydrocarbons with air oxygen induced by chlorine." (p. 1770)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1952, Vol. 22, No. 10

PRIB, O. A.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Organic Chemistry

(3)

Oxidation of hydrocarbons by atmospheric oxygen with initiating action of chlorine. N. I. Zamlyanskii, O. A. Prib, and M. Ya. Sharypkina. *J. Gen. Chem.* (U.S.S.R.) 22, 1809-11(1952)(Engl. Translation).—See *C.A.* 47, 6347f. H. L. H.

10-5-54

MALINOVSKIY, M.S.; PRIB, O.A.

Alkylation of the Grignard reagent with allyl- and propargyl benzenesulfonates. Zhur.ob.khim. 33 no.4:1086-1089 Ap '63. (MIRA 16:5)

1. Dnepropetrovskiy gosudarstvennyy universitet i L'vovskiy gosudarstvennyy universitet.
(Gringnard reagents) (Alkylation) (Benzenesulfonic acid)

PRIB, O.A.; MALINOVSKIY, M.S.

Unsaturated esters of aromatic sulfonic acids. Ukr.khim.zhur. 30 no.2:198-200 '64. (MIRA 17:4)

1. L'vovskiy gosudarstvennyy universitet.