"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

L. I. Gutenmakher is mentioned. Chapter 5 occupies itself with the representation of results obtained by experimental work in a form corresponding to that of the punched card system. Chapter 6 deals with descriptive index-binding, which is explained on the basis of some examples from the USA. In connection with the algebra of logics, the comments by Professor S. A. Yanovskaya to reference 67 are mentioned. Chapter 7 is devoted to the attempt at creating an artificial language of information for the mechanized search for information. Examples (taken from Machine Literature Searching) (Refs 56, 57) are discussed. Chapter 8 deals with the attempt at establishing a logical-mathematical theory of a system of searching for information, which is based on references 56, 57, and 60. The references mentioned as being "Soviet" are mainly translations of western publications published in the USSR. There are 24 figures, 2 tables, and 70 references, 12 of which are Soviet.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEDUTS, G.E.; FINN, V.K.

Problems in the creation of a machine language for organic chemistry. Soob. LEM AN SSSR no.1:67-99 '60. (MIRA 15:2)
(Chemistry, Organic--Translating)
(Machine translating)
(Information theory)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

BORSHCHEV, V.B.; VLEDUTS, G.E.; FINN, V.K.

Concerning the algorithm of the conversion of structural formulas of organic chemistry to a canonized form. Soob. LEM AN SSSR no.1:99-171 '60. (MIRA 15:2)
(Chemistry, Organic)
(Information theory)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEDUTS, G.E.

New journal of chemical documentation. Zav.lab. 28 no.7:896 '62 (MIRA 15:6)
(Information storage and retrieval systems—Chemistry)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEDUTS, G.E.; STOKOLOVA, N.A.

Arbitrary block system of encoding chemical compounds. (MIRA 16:11)
NTI no.2:23-28 '63.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEDUTS, G.E.; LAKHUTI, D.G.; CHERNYAVSKIY, V.S.

Inversion principle of setting up an information storage and retrieval system. NTI no.4:13-19 '63. (MIRA 16:10)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEDUTS, G.E.; OSIPENKO, TS.D.; PAPPE, I.Ya.

Automating the compilation of formula indexes of chemical compounds. (MIRA 17:1)
NTI no.6:13-17 '63.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

ALEKSANYAN, V.T.; BARINOVA, Z.B.; VLEDUTS, G.E.; SHEVYAKOVA, L.A.

Chemical code for retrieval of spectrochemical information. NTI no.9:17-21 '63. (MIRA 16:12)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VIEDUTS, G.E.; SHEVYAKOVA, L.A.; KONOPIEVA, Ye.V.

"Filter" information system for structural searching of organic compounds. NTI no.11:11-14 '63. (MIRA 17:2)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

STEPANETS, G.F. (Moskva); VLEDUTS, G.E. (Moskva)

A method for the algorithmic description of the cyclic structure of a graph. Zhur. vych. mat. i mat. fiz. 3 no.3:583-586 My-Je '63. (MIRA 16:5)

(Algorithms) (Graphic methods)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEDUTS, G.E.; CHERNYAVSKIY, V.S.

Organizing a "blank - no blank" information retrieval system employing punched cards. NTI no.1:16-22 '64. (MIRA 17:3)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEDUTS, G.E.; STOKOLOVA, N.A.

Compiling and using a keyword-in-context index. NTI no.4: 30-35 '64. (MIRA 17:6)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEDUTS, G.E.; MISHCHENKO, G.L.

Information storage and retrieval systems for organic chemistry.
Zav.lab. 30 no.3:329-331 '64. (MIRA 17:4)

1. Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

SHCHEVYAKOVA, L.A.; KOTLYAR, G.Ya.; VLEDUTS, G.E.

Use of systems of binary structural notations for retrieval of information about organic compounds. NTI no.4:31-34 '65. (MIRA 18:6)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

L 23453-65 JXT(BF)
ACCESSION NR: AP4049559 S/0315/64/000/001/0016/0022

AUTHOR: Vleduta, G.E.; Chernyavskiy, V.S.

TITLE: The realization of an information retrieval system of the "empty-not-empty" type with the aid of manually punched cards

SOURCE: Nauchno-tekhnicheskaya informatsiya, no. 1, 1964, 16-22

TOPIC TAGS: information retrieval, machine language, punched card, edge punch card, peakaboo card

ABSTRACT: The authors point out that an information retrieval system of the "empty-non-empty" type can easily be realized with the aid of electronic digital computers. Such systems can also be realized, however, with the aid of hand sorted punch cards, particularly with the use of superpositioned peak-a-boo; cards (manual yor automatically). For a determined quantity of documents and determined conditions of system implementation such a realization can be sufficiently effective and economically feasible The possible modes of implementation of these systems are described in detail. These include both the use of edge punched or slotted cards and the use of standard machine-punched cards utilizing a superpositioning principle for reading The complete set of operational cards necessary for the implementation of a manual info mation retrieval sys em can be

Card 1/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

L 23453-65
ACCESSION NR: AP4049559

obtained as a by-product of the activities of an electronic digital computer which is being utilized for the realization of such an information retrieval system within a large data processing center. The paper describes the method of operation with standard punched cards utilized as "machine-manual" superpositioned cards for the case of a large collection of documents. Several [illegible] superpositioned cards are described and illustrated. Orig. art. has: 3 figures and 42 equations.

ASSOCIATION: none

SUBMITTED: 02Dec63 ENCL: 00 SUB CODE: DP

NO REF SOV: 007 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

SEYFER, A.L.; VLEDUTS, I.N.

Additive computing system for estimating the physicochemical properties of paraffin hydrocarbons. Izv. AN SSSR Ser. khim. no.11:1985-1988 N '64 (MIRA 18:1)

1. Institut nauchnoy informatsii AN SSSR.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEEK, A. A.

const. of methaldehyde must be ... Louis Meites

Polarography in concentrated sulfuric acid. II. Capacity of the electric double layer on the dropping-mercury electrode. Antonín A. Vleek (Central Polarographic Inst., Prague, Czech.). *Chem. Listy* 45, 377-80(1951); cf. *ibid.* 305.—The capacity of the electrode double layer in concd. H_2SO_4 was found to be 25% higher than in aq. solns., viz., 52.5 μ farads cm.$^{-1}$. M. Hudlický

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLEE'KO, V.M.

Potentials for the lowering of the cost of production and increase of profitableness in the production of antibiotic feeds. Khar. prom. no.3:53-57 Jl-S '65. (MIRA 18:9)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLHA, Rastislav, inz.

Experience with the operation and maintenance of traction supply network on the railway line Zilina - Spisska Nova Ves. Zel dop tech 9 no.10:298-301 '61.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLIKOVIC, A. Jt. au.

ŽIVANOVIC, Toma, 1884
Odrzavanje i poboljsavanje potomstva. Maintaining and improving the species. Sarajevo, Drzavna stamparija, 1932. 152 p. (41-37010)

QH431.Z47

1. Heredity. 2. Eugenics. I. Vukovic, Antonije, 1872- jt. au.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

CH

Polarography in concentrated sulfuric acid. II. Capacity of the electrode double layer on the dropping-mercury electrode. Antonín A. Vlček (Central Polarographic Inst., Prague, Czech.). *Chem. Listy* 45, 377-9(1951); cf. *ibid.* 305.—The capacity of the electrode double layer in concd. H_2SO_4 was found to be 25% higher than in aq. solns., viz., 52.5 μ farads cm.$^{-2}$. M. Hudlický

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

Separation of nickel and cobalt from aluminum by means of hydrazine carbonate. A. Jilek and J. Vlček. *Chem. Listy* 28, 113-15(1934).—By satg. a hydrazine hydrate soln. (dild. 1:1) with CO_2 to the point of solidification and dilg. with an equal vol. of 50% hydrazine hydrate soln., a hydrazine carbonate reagent (I) was prepd. Treat about 200 cc. of a slightly acid soln. contg. a mixt. of 0.1 g. of Ni, Co and Al with 4 cc. of I at room temp. Heat on a boiling water bath to make the ppt. filterable, filter through filter paper and wash with a 1% hot NH_4NO_3 soln. neutral to methyl red until the washings are free from Cl and sulfate. After dissolving the ppt. in a min. of warm acid and eliminating the excess by evapn., repeat the pptn. Ignite and weigh as Al_2O_3. After combining, concg. and neutralizing the filtrates, ppt. the Co and Ni with $(NH_4)_2S$, convert to chlorides and det. in the usual way.

Frank Marsh

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

COUNTRY : USSR
CATEGORY : Cultivated Plants - Forage Crops M

ABS. JOUR. : RZhBiol., No. 14,1958, No. 63484

AUTHOR : Gorb, T. V., Vlitsenko, S. T.
INST. : Kharkov Zootechnical Institute
TITLE : Yields, Chemical Composition and Food Value of the Kernels and Cobs of Different Varieties of Corn.

ORIG. PUB. : Sb. tr. Khar'kovsk. in-t, 1957, 9, 57-63

ABSTRACT : According to the date for 1956, the first place in regard to the yield (of ears) was taken by Partizanka variety (100.7 c/ha), the second by hybrid VIR-42 (92.20 c), then Khar'kovskaya 23 (77.10 c) and Khar'kovskaya belaya zubovidnaya (73.90 c/ha). The greatest amount of dry matter (6027 kg/ha) was secured from the crop of hybrid corn VIR-42. Hybrid corn also took the first place in the content of digestible protein and amount of food units. —Ye. A. Okorokova

Card: 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, Bohumil, inz.; SABART, L., inz.

A new concept of the effect of tensile forces on the foundation level of buildings on undermined ground. Inz stavby 12 no.7: 283-287 Jl'64

1. Research Institute of Building and Architecture, Prague.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

SITAJ, S.; MARKOVIC,O.; VLK,I.

Critical evaluation of determination of sialic acid in the diagnosis and evaluation of the activity of rheumatic fever. Cas. lek. cesk. 103 no.19:509-512 8 My'64

1. Vyskumny ustav reumatickych chorob v Piestanoch; riaditel: doc. dr. S.Sitaj.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

L 13211-66

ACC NR: AP6006099 SOURCE CODE: CZ/0053/65/014/004/0319/0319

AUTHOR: Vlk, J.

ORG: Institute of Physiology, Medical Faculty, Charles University, Plzen (Fysiologicky ustav lekarske fakulty KU)

26

B

TITLE: Pharmacologic research of postnatal changes in the cardiac rate in rats [This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 28 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 319

TOPIC TAGS: rat, pharmacology, EKG, cardiovascular system, drug effect, nervous system drug, tranquilizer

ABSTRACT: Study in anesthetized rats; the cardiac rate was studied electrocardiographically, vagal sensitivity by response to atropine 1 to 4 mg/Kg and sympathetic response by reserpine 3 mg/Kg i.p. 2 to 3 days before recording. The high heart rate (457±7) around the 30th day of life is apparently due to sympathetic predominance over the vagus; in adult rats the vagus is stronger and drives the pulse down to 300 by day 87 of life. [JPRS]

SUB CODE: 06 / SUBM DATE: none

jrn

Card 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK,J.; TUCEK, S.

The formation of acetylcholine in isolated heart auricles of ahite rats and guinea-pigs. Physiol. Bohemoslov. 13 no.3: 310-314 '64.

1. Institute of Physiology, Medical Faculty, Charles University, Plzen.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

1414

NOVÁK (J. B.) & VLK (J.). **Kapradinovitost listů Křenu (Armoracia rusticana).** [Fern-leaf disease of Horse-Radish (*Armoracia rusticana*).]—*Ochr. Rost.*, 23, 4, pp. 361–362, 2 pl., 1950. [Russian and English summaries.]

Horse-radish plants growing at Malin, central Bohemia, the main horse-radish district in Czechoslovakia, were affected (1 to 2 per cent.) in the summer of 1950 by leaf mottling [*R.A.M.*, 20, p. 79; 30, p. 297] and many degenerated plants developed an interesting heterophylly, apparently of virus nature. Leaves were pinnately divided with atrophy of blades [ibid., 28, p. 43]. *Brevicoryne brassicae* was present in great numbers and is a suspected vector.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

TUCEK, S.; VLK, J.

The effect of vagotomy on the acetylcholine content and cholinesterase activity in various regions of the rat heart atria. Physiol. Bohemoslov, 11 no.4:319-328 '62.

1. Institute of Physiology, Medical Faculty of the Charles University, Plzen.

(VAGOTOMY) (ACETYLCHOLINE) (CHOLINESTERASE) (MYOCARDIUM)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, J.; TUCEK, S.

Problems related to a comparative study of acetylcholine metabolism in the heart. Cesk. fysiol. 13 no.4:386-388 Jl '64.

1. Fysiologicky ustav lek. fak. Karlovy University, Plzen.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, J.

Distribution of acetylcholine in mammalian cardiac auricles. Cesk. fysiol. 8 no.5:441-442 S '59

1. Fysiologicky ustav Lek. fak. KU, Plzen.
(ACETYLCHOLINE, metab.)
(MYOCARDIUM, metab.)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, J.; MAGROT, T.; ZAHLAVA, J.

On the problem of the significance of acetylcholine in functioning of the heart. Cesk. fysiol. 8 no.4:330-331 July 59.

1. Fysiologicky ustav, Biologicky ustav a Ustav patologicke fysiologie lek. fak. KU, Plzen.
(ACETYLCHOLINE, physiol.) (HEART, physiol.)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, J.; TUCEK, S.

The distribution of cholinesterases in the mammalian heart. Physiol. Bohemoslov. 11 no.1:46-52 '62.

1. Institute of Physiology, Medical Faculty of Charles University, Plzen.

(CHOLINESTERASE metab) (MYOCARDIUM metab)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, J.; TUCEK, S.

Changes in the acetylcholine content and cholinesterase activity in dog atria during the early postnatal period. Physiol. Bohemoslov. 11 no.1: 53-57 '62.

1. Institute of Physiology, Medical Faculty of Charles University, Plzen.

(MYOCARDIUM metab) (CHOLINESTERASE metab)
(ACETYLCHOLINE metab) (AGING)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

KOUDELKOVA, Zdenka; VLK, Jaroslav

Level of acethylcholine in the stomach wall before and after feeding. Plzen. lek. sborn. 24:19-23 '64

1. Fyziologicky ustav lekarske fakulty University Karlovy v Plzni (prednosta: prof. MUDr. J. Myslivecek, DrSc.).

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, J.; CERHOVA, M.

Effect of low temperatures on the effect of acetylcholine on isolated heart in frog. Cesk. fysiol. 7 no.3:244-245 May 58.

1. Fysiologicky ustav lekarske fakulty U. K. Plzen.
(HEART, eff. of drugs on,
acetylcholine on isolated heart in frog, eff. of cold on reactivity (Cz))
(ACETYLCHOLINE, effects,
on heart, isolated in frog, eff. of cold on reactivity (Cz))
(COLD, eff.
on isolated frog heart reactivity to acetylcholine (Cz))

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

CA

Electroplating aluminum and its alloys. Hubert Vik. Austrian 168,102, Apr. 25, 1951. The articles to be plated are first cleaned mechanically and then pretreated for 5-10 min. at a c.d. of 10 amp. per sq. dm. and a voltage of 4-6 v. as cathodes in a bath that contains KOH 22, Na_2CO_3 20, $K_3Cu(CN)_6$ 5, KCN 5 g., and H_2O 1 l. Thereafter they are electroplated and polished in the usual way. F. E.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

1401. EFFECT OF CHLORPROMAZINE (AMINAZINE) ON THE ISOLATED HEART (Russian text) - Vlk J. J. and Lukac W. A. Physiol. Inst., Med. Fac., Karlov Univ., Pilsen Branch - FIZIOL. ZH. 1958, 44/4 (365-368) Illus. 4

Chlorpromazine decreased height and frequency of contractions of isolated frog and rat hearts, and later produced complete atrioventricular block. Finally, ventricular activity was arrested while auricular contractions continued for several hours. These disturbances may be abolished by glutathione in frogs. The heart fails to react to stimulation of the vagus nerve and to the administration of ACh even after relatively small doses of chlorpromazine.

Simonson - Minneapolis, Minn.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

CZECHOSLOVAKIA

KOUDELKOVA, Z.; VLK, J.; Department of Physiology, Medical Faculty of Charles University (Fysiologicky ustav lek. fak. KU), Plzen.

"Effect of Prolonged Training on Vagal Regulation and Acetylcholine Content in Rat Hearts."

Prague, Ceskoslovenska Fysiologie. Vol 14, No 5, Oct 1965; p 352.

Abstract: Swimming training of rats for 17 weeks caused the expected cardiomegaly but no other functional or histochemical change in rat hearts, in contrast to reports by Herrlich (Arch, int. Pharmacodyn. 129:201, 1960). Graph, 1 Western reference. Paper presented at the 15th Physiology Days, Olomouc, 26 May 65.

1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, L.

Tatra Mountains and the Tatra National Park. p. 151.

OCHRANA PRIRODY. Praha, Czechoslovakia. Vol. 14, no. 5, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960.

Uncl.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VIK, L.

Regulation of river banks by means of vegetation. p. 30.

Vol. 4, No. 1, Jan. 1954
VODNI HOSPODARSTVI
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, L.

Stabilization of stream banks by vegetation.

p. 199
Vol. 5, no. 6, June 1955
VODNI HOSPODARSTVI
Praha

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3
March 1956

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, I.

"Importance of alders in the overgrowth of river banks.", p. 31, (OCHRANA PRIRODY, Vol. 3, #2, May 1953, Czechoslovakia)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress, August 1953, Uncl.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, LADISLAV (Praga, Chekhoslovakiya)

Black alder strengthens banks. Priroda 50 no.9:100-102 S '61. (MIRA 14:8)

(Shore protection)
(Alder)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, Ladislav (Praga, Chekhoslovakiya)

Willow plantings along shorelines. Priroda 48 no.6:97-98 Je '59. (MIRA 12:5)

(Shore protection) (Willows)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, Ladislav

Importance of the Krkonose Mountains National Park for water conservation. Vodni hosp 13 no.8:299 '63.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, L.; NOVAK, L., inz.

Effect of the consolidation of banks by vegetation on the flow rate of cross currents. Vodni hosp 14 no. 3: 93 '64.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, M.

"The PCC88 electron tube for very short waves. p. 97."

SDELOVACI TECHNIKA. Praha, Czechoslovakia. Vol. 7, no. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

CZECH/14-59-3-8/29

6(6)

AUTHOR: Vlk, Miroslav

TITLE: PCC88 - A New Tube for VHF Bands (PCC88 - nová elektronka pro pásma VKV)

PERIODICAL: Sdělovací technika, 1959, Vol 7, Nr 3, pp 97-99 (Czechoslovakia)

ABSTRACT: The development of TV and radioengineering has led to increased oscillation on the wave bands used until now. Previously used tubes were unable to overcome increased oscillation. The PCC88 and E88CC represent a new vhf triode with grill which will soon be on the market. This will be usable in TV receiver amplifiers in cathode switches, and in analytic generators, pulse amplifiers etc. This tube's equivalent noise resistance is 235 ohm. At a glow tension of 6.3 V ± 0.3 V it will have a minimum life of 10,000 hrs, that is to say a long life together with low consumption. The electronic tube E88CC must always be used with a cathode resistance of 680 ohms and must be switched on with a constant pre-

Card 1/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

PCC88 - A New Tube for VHF Bands CZECH/14-59-3-8/29

tension in the grill of + 9 V. The PCC88 tube was developed from the more expensive E88CC for mass production purposes. The construction is basically similar. The PCC88 tube has 1.6 times more amplification and half the equivalent noise resistance of the PCC88. Used as a cathode amplifier it maintains a favorable balance between signal and noise. Total amplification is about four times and its consumption at 220 V is about 2 w. There are 4 tables, 4 diagrams and 1 German reference.

Card 2/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, Miloslav, inz.

High speed forming. Stroj vyr 11 no.1:3-5 '63.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

Z/031/63/011/001/001/002
E073/E435

AUTHOR: Vlk, Miloslav, Engineer

TITLE: High-speed forming

PERIODICAL: Strojírenská výroba, v.11, no.1, 1963, 3-5

TEXT: A brief review paper dealing with forming by means of explosives, electrical energy (condenser discharge), electromagnetic and pneumatic-mechanical energy. The review is based on articles published during 1962 in "Mechanical Engineering". There are 7 figures and 1 table.

Card 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, M.

Significance of measuring instruments. P. 113.

SO: East European Accessions List, Vol. 3, No. 9, Sept. 1954, Lib. of Congress

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, M.

For more economical utilization of old production machinery. P. 88.

SO: East European Accessions List, Vol. 3, No. 9, Sept. 1954, Lib. of Congress

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, M.

"Significance of Measuring Instruments." p. 113, Praha, Vol. 9, no. 5, May 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, H.

"For More Economical Utilization of Old Production Machinery." p. 88, Praha, Vol. 9, no. 4, Apr. 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

PHASE I BOOK EXPLOITATION CZECH/5660

Nejepsa, A., Engineer, and Miloslav Vlk, Engineer, Resp. Eds.

Lisování a kování v ČSSR a SSSR; současný stav a perspektivy rozvoje (Stamping and Forging in the ChSSR and USSR; the Present State and Prospects for Development) Prague, SNTL, 1961. 337 p. 1150 copies printed.

The part "Lisování a kování v SSSR" translated by A. Nejepsa.

Managing Ed. for Literature on Mechanical Engineering and Chief Ed.: Ota Kraus; Tech. Ed.: Jiří Appl.

PURPOSE: This collection of articles is intended for those interested in advanced pressworking methods.

COVERAGE: The present state of the stamping and forging technologies in the ChSSR and USSR is discussed. The first part, written by Czechoslovak authors, is concerned with the development of metal pressworking techniques in the ChSSR and discusses the production of large forgings,

Card 1/7

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

extrusion of metals, stamping of automobile bodies, and mechanization of old plants. The second part is written by Soviet specialists, and discusses die forging in presses, upsetting, forge rolling, stamping, extrusion, crossrolling, and forging on hydraulic presses, crank presses, and drop hammers. No personalities are mentioned. References accompany various chapters. There are 47 references (mostly Czechoslovak) in the first part; the second part contains 91 references (all Soviet.)

TABLE OF CONTENTS:

STAMPING AND FORGING IN THE ChSSR

Development of the Metal Pressworking Technology in the ChSSR [František Drastík, Professor, Engineer, Doctor] 9

Making Large Forgings [Václav Kraus, Engineer] 18

Vanadium-Steel Forgings of Turbogenerator Rotors [Jiří Novák, Engineer, Plzeň] 42

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, O.

USSR/Thermodynamics, Thermo-chem. Equilibriums. Phys-Chem. Anal Phase transition B-8

Abs Jour : Ref Zhur - Khimiya, No 7, 1957, 22259

Author : O. Vlk.
Inst : Not given
Title : Thermochemical study of the reaction between phenol and formaldehyde.

Orig Pub : Chem. prumusl, 1955, 5 No II, 467-470 (Czech)

Abstract : The activation energy (E) of the reaction between phenol (I) and formaldehyde (II) at molar relations I:II I:0.8; I:I.25; I:I.5, and I:2, with the use of hydrochloric acid as a catalyzer, varies at 76-86° between limits of 20-73.7 cal. for I mole of II participating in the reaction; E of the same mixtures, with ammonia, as a catalyzer, varies between limits of 16.9-18.5 cal on I mole of II, participating in reaction at 80-86°. The value of E depends on composition of the reaction mixture, and E increases with the growth of the molecule of the forming tar. The value of E in reactions in the presence of hydrochloric acid is almost exactly equal to the heat of the reaction calculated on the basis of literary data.

Card 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK,O

Our experience with the preparation of technical-economic analyses of research tasks.

p. 426
Vol. 5, no. 9, Sept. 1955
ZA SOCIALISTICKOU VEDU A TECHNIKU
Praha

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
February 1956

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, Oldrich

"List of plastics for shops and enterprises" by [dipl. rer. pol.] Irene Saechtling. Reviewed by Oldrich Vlk. Chem prum 14 no.5: 280 My '64.

1. Research Institute of Synthetic Resins and Lacquers, Pardubice.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

MOSKATOV, K.A.; CVANKIN, D.J. [Tsvankin, D.Ya.]; VLK, Oldrich [translator]

Changes in the structure of capron in thermal processing. Chem prum. 12 no.11:625-628 N '62.

1. Vedeckovyzkumny a konstrukcni ustav potravinarskych stroju, Moskva, (for Moskatov). 2. Institut zakladnich organickych latek, Akademie ved SSSR, Moskva (for Cvankin). 3. Vyzkumny ustav syntetickych pryskyric a laku, Pardubice (for Vlk).

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

Vlk, V.

A pilot in Zagreb. p. 584. Jet engines. p. 588

KRIDLA VLASTI No. 25, Dec. 1955

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 7 July 1956

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, V.

Electrical Engineering Abst.
Vol. 57 No. 673
Jan. 1954
Telecommunication

391. Czechoslovak television receiver for mass-production. J. POHANKA, V. VLK, M. REIMÁNEK AND A. LAVANTE. *Slaboproudý Obzor*, 14, 195–205 (*May*, 1953) *In Czech.*

621.397.62

A detailed description of individual circuits of the television 4001 A receiver. The receiver has one channel, for reception of Prague television transmission in the band 48·5–56·5 Mc/s; rated sensitivity 1·5 mV, picture bandwidth 5 Mc/s; raster according to the Czechoslovak television standard, 625 lines and 50 fields per second. Picture size 200 × 150 mm. Audio amplifier response to 13 kc/s, rated audio power 2 W. Mains power consumption 150 W. A

6-11-54 jp

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLK, Ya.Ya. [Vlk, J.J.]; LUKACH, V.A. [Lukac, V.A.]

Effects of chlorpromazine (aminazine) on the activity of the isolated heart [with summary in English]. Fiziol.zhur. 44 no.4: 365-368 Ap '58. (MIRA 11:4)

1. Fiziologicheskiy institut Meditsinskogo fakul'teta Karlovskogo universiteta (filial v Plazni) Chekhoslovatskaya Narodnaya Respublika.

(CHLORPROMAZINE, effects
on isolated frog & rat hearts (Rus))
(HEART, effect of drugs on
chlorpromazine on isolated frog & rat hearts (Rus))

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

COUNTRY : Bulgaria
CATEGORY : General Problems of Pathology. Tumors. Comparative Oncology. Human Neoplasms.
ABS. JOUR. : RZhBiol., No. 23 1958, No. 107137
AUTHOR : Dimitrov, [illegible]; V[illegible]kov, V.
INST. : —
TITLE : On the Therapy of Cancer of the Urinary Bladder with Roentgen Rays.
ORIG. PUB. : Khirurgiya(B"lg.), 1957, 10, No.4, 320-328.
ABSTRACT : No abstract.

Card: 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLNAR, FRANTISEK

PHASE I BOOK EXPLOITATION SOV/4408

Československá akademie věd. Sekce technická

Práce ústavu pro elektrotechniku ČSAV z r. 1957, VIII (Proceedings of the Institute For Electrical Engineering of the CSAV (Czechoslovak Academy of Sciences) for 1957, Nr 8) Prague, 1958. 146 p. 1,250 copies printed.

Scientific Ed.: Miloslav Tayerle, Engineer, Doctor; Chief Ed.: Bedřich Heller, Corresponding Member, Czechoslovak Academy of Sciences, Doctor, Engineer, State Prize Winner; Ed. of this issue: Marie Moravcová; Tech. Ed.: František Kondický.

PURPOSE: This collection of articles is intended for specialists in the field of high-voltage technique.

COVERAGE: The collection contains 9 original papers devoted to high-voltage technique and to special problems of heavy-current engineering. The papers deal with calculation of magnetic fields and short-circuit stresses, with the finding of turn short circuits and thermal breakdowns, and with effects of semiconductor coatings on windings. The investigation of lightning arresters, the transfer of charges in electrostatic machines, and eddy-current losses in massive cylinders located in a magnetic field are also treated. References accompany 8 of the papers. No personalities are mentioned.

VII. Leský, Vilém, and František Vlnař. Investigation of Spark-over Arrester Characteristics With Special Consideration for Very High Voltages 93
There are 10 references: 2 Czech, 4 English, and 4 German.

VIII. Hamata, Václav. Transfer of a Charge in Electrostatic Machines With a Dielectric Transmitter 121
There are 3 references: 2 Czech and 1 French.

IX. Stafl, Miloš. Conducting Cylinder in a Magnetic Field 137
There are 8 references: 3 Soviet, 4 English, and 1 German.

AVAILABLE: Library of Congress

JP/ram/ec
12-1-60

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLNAS, S., inz.

Optimum design of cryostat chamber insulation. Strojirenstvi 12 no.8:587-596 Ag '62.

1. Vyzkumny ustav Zavodu potravinarskych a chladicich stroju, Praha.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

Z/032/61/011/004/001/004
E197/E335

AUTHOR: Vlnas, S., Engineer

TITLE: Choice of Gear Parameters for Minimum Wear

PERIODICAL: Strojírenství, 1961, Vol. 11, No. 4, pp. 261 - 267

TEXT: The author postulates requirements for minimum wear in geared transmissions and finds, by arithmetic, advantages for small departures from round-figure ratios. The configurations are applicable to gears, chain drives and worm drives. The author assumes that wear will be the lower the less often the same teeth engage within a given period of time and defines a new parameter called "abrasion cycle" which is the smallest common multiple of the teeth of engaging gears. Whenever possible, the number of teeth should be unequal prime numbers, e.g. a chain drive consisting of gear I with 30 teeth, gear II with 45 teeth and of a chain with 90 links will have an abrasion cycle of 90, while the same chain with 31 teeth for gear I and 43 teeth for gear II will have an abrasion cycle of 119,970. The transmission ratio has changed

Card 1/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

Choice of Gear Z/032/61/011/004/001/004
E197/E335

from 1.50 to 1.39. Since comparatively small changes in gear ratios may have beneficial consequences, the author recommends that whenever possible gear ratios should not be round figures, i.e. should not be divisible by 5 or 10. Tables are given for easier selection.
There are 8 figures, 4 tables and 8 references: 6 Czech and 2 non-Czech.

ASSOCIATION: Výzkumný ústav strojů chladicích a potravinářských, ZPCHS-VSCHP, Praha (Research Institute for Refrigeration and Food Machinery, ZPCHS-VSCHP, Prague)

Card 2/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLNAS, S., inz.

Energy balance of thermal processes. Strojirenstvi 13 no.6:447-459 Je '63.

1. Zavody potravinarskych a chladicich stroju, Vyzkumny ustav, Praha.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

L 18141-66 EWT(1)/ETC(f)/EWG(m)/ETC(m)-6 JW
ACC NR: AP6010354 SOURCE CODE: CZ/0032/65/015/003/0163/0171

AUTHOR: Vlnas, S. (Engineer)

ORG: Research Institute of Refrigeration and Food-Industry Machinery, Prague (Vyzkumny ustav stroju chladicich a potravinarskych)

TITLE: Exergetic efficiency 21,44,55

SOURCE: Strojirenstvi, v. 15, no. 3, 1965, 163-171

TOPIC TAGS: thermodynamic law, Bernoulli equation, cooling, heat exchanger

ABSTRACT: Earlier ("The Exergetic Balance of Thermal Processes," ibid, No. 6, Jun 63) the author studied theoretically the first law of thermodynamics, the Bernoulli equation, the problems of irreversible processes, and the determination of the exergetic efficiency of a cooling installation in general. The present article demonstrates the practical application of the exergetic efficiency to the analysis of the individual units of the cooling installation. The exergetic efficiency is determined for the compressor, expander, heat exchanger, etc. The theoretical deductions are illustrated by several examples, in which existing installations and their units are studied and compared. The exergetic balance permits a more accurate determination of the efficiency than with the current methods, and it facilitates the comparison of several possible solutions. In designing it serves as a reliable guide even in complex cases where conventional criteria cannot be used in the analysis. This paper was presented by V. Chlumsky, Professor, Engineer. Orig. art. has: 27 figures and 10 formulas. [JPRS]

SUB CODE: 13, 20 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 003 / SOV REF: 003
UDC: 621.8-71: 621.317.6: 620.9

Card 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLNATY, J.

2

Aliphatic branched [illegible]

Chem. Listy 48, 674-87 (1954); cf. C.A. 48, 1058g.—Some branched-chain paraffins were prepd. by the hydrogenation of dienes obtained by the dehydration of alcohols or glycols. The hydroxy compds. were prepd. by the Grignard synthesis from the esters of undecylenic, glutaric, and pimelic acids. Dehydration was carried out by heating the hydroxy compds. 5 hrs. at 160-70° with anhyd. $CuSO_4$, or by heating 8 hrs. at 140-70° with anhyd. $(CO_2H)_2$, or with o-$C_6H_4(CO)_2O$ at 160-70°. Some dienes were prepd. by the dehydrohalogenation of the corresponding halides by heating with C_5H_5N. Hydrogenation of the dienes over PtO_2 gave the paraffins the unreacted unsatd. hydrocarbons being removed by $KMnO_4$ oxidn. The following *hydroxy compds.* were prepd. (yield in %, m.p., and b.p. given): 3,7-diethylnonan-3,7-diol, 32, 68°, b_{11} 161-2°; 4,8-dipropylundecan-4,8-diol, 29, 87°, —; 11-ethyl-1-tridecen-11-ol, 53.8, —, b_{16} 156°; 3,9-diethylundecan-3,9-diol, 46, 89.2°, —; 11-propyl-1-tetradecen-11-ol, 79.5, 0.9°, —; 11-butyl-1-pentadecen-11-ol, 53.3, —, b_{16} 197; 4,10-dipropyltridecan-4,10-diol, 20, 60°, —; 5,9-dibutyltridecan-5,9-diol, 10, 66.7°, —; 6,11-dibutylpentadecan-6,11-diol, 34.6, 43.5°, —; 11-n-octyl-1-nonadecen-11-ol, 39, 39-40.5°, $b_{0.05}$ 193°; 6,12-dibutylheptadecan-6,12-diol, 30, 61.2°, —. The following dienes were formed (b.p., d_{20}, n_D^{20}, η in centistokes at 37.8°, 50.0° and 98.9° given): 3,7-diethylnonadiene ([illegible]), b_{11} 126°, [illegible] 79, 1.4617, [illegible] 3,9-diethylundecadiene [illegible]

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

cadiene, b_{16} 208°, 0.8187, 1.4[illegible], [illegible]
octylnonadeca-1,2-diene, b_{16} 247.5-8°, 0.8212, 1.46142,
4.[illegible], [illegible] 1.[illegible] [illegible] diene [illegible]
1.0°, 0.8273, 1.46502, 12.01, 8.32, 2.[illegible] These were re-
duced to the following paraffins (n. p., b. p., d_{15}, η_{20}, η in
centistokes at 20°, 37.8°, 50.0° and 98.9° given): 3,7-di-
ethylnonane, below −60°, b_{16} 100.5-101.4°, 0.7974,
1.44972 —, 1.88, 1.56, 0.91; 3,9-diethylnudecane, −62°,
b_{16} 120.9°, 0.7818, 1.4365, 3.12, 2.00, 1.87, 1.2[illegible]; 3-ethyl-
tridecane, −38.4°, b_{16} 136°, [illegible] 2.37,
1.92, 1.04; 4-propyltetradecane, [illegible] b_{16} 142°, 0.7845,
1.43745, —, 3.38, 2.59, 1.[illegible] [illegible]tylpentadecane,
−16.1°, b_{16} 179.2°, 0.7892, 1.4408, 6.52, 4.37, 3.34, 1.49;
4,10-dipropyltridecane, −51°, b_{16} 168°, 0.7905, 1.4410,
5.92, 3.88, 2.80, 1.78; 5,11-dibutylpentadecane, 6.2°, b_{16}
214-14.5°, 0.8034, 1.4[illegible]48, [illegible], 8.28, 5.78, 2.1[illegible]; 9-octyl-
nonadecane, −11°, b_{16} 25[illegible], 0.8008, 1.45118, [illegible] 0.69,
4.76, 1.88; 6,12-diamylheptadecane, [illegible] b_{16} 2[illegible]
0.8055, 1.45290, —, 14.3, 9.05, 2.98. M. Hudický

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLNATY, Josef, inz.; LEITNER, Jindrich, inz.

Reducing capacity of the solid carbonaceous reducing agents.
Hut listy 17 no.7:457-462 Jl '62.

1. Hutnicky ustav, Ceskoslovenska akademie ved, Praha.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

CZECH/34-59-8-2/16

AUTHORS: Leitner, Jindřich, Vlnatý, Josef and Halousek, Jan, Engineers

TITLE: Influence of the Degree of Reduction on the Process of Softening of Iron Ores

PERIODICAL: Hutnické listy, 1959, Nr 8, pp 659 - 667

ABSTRACT: The authors describe the influence of the most important factors on the process of softening of iron ores and give a review of the methods and techniques of studying it. First, pp 660-661, hitherto published results and information on methods are reviewed. In the latter part, pp 662-667, the experiments are described and also an instrument developed by the Metallurgical Institute of the Czech Ac.Sc. for investigating the process of softening of ores and agglomerates. The instrument enables: investigation of the process of softening of fine-grain and lump material for a chosen load in any atmosphere; simultaneous reduction directly in the apparatus in both above mentioned cases; automatic continuous observation of the process of reduction with the possibility of determining the reached degree of reduction and its

Card1/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

CZECH/34-59-8-2/16

Influence of the Degree of Reduction on the Process of Softening of Iron Ores

influence on the process of softening; automatic continuous recording of the softening curves. A sketch of the instruments for studying the degree of softening is shown in Figure 1 and a photograph of it is reproduced in Figure 2. Figures 7 and 8 show respectively a photograph and a sketch of the instrument for determining the reduction ability of ores. In some metallurgical processes, the ore is transformed into the plastic state after it has already been reduced to some extent and, therefore, it is of interest to know the process of softening up to a certain degree of reduction. The instrument described in the paper enables simultaneous observation of the progress of the reduction process and of the softening of iron ores as a function of the reached degree of reduction. The results of studies of the process of softening on three specimens of Czech ores are given and discussed.

Card 2/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

CZECH/34-59-8-2/16

Influence of the Degree of Reduction on the Process of Softening of Iron Ores

There are 20 figures and 18 references, 7 of which are Czech, 1 English, 7 German, 1 Soviet and 2 French.

ASSOCIATION: Hutnický ústav ČSAV, Praha (Institute of Metallurgy, Czechoslovak Ac.Sc., Prague)

SUBMITTED: April 20, 1959

✓

Card 3/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLNATY, Josef, inz.; LEITNER, Jindrich, inz.

Blast furnace coke reactivity. Hut listy 17 no.1:37-43 Ja '62.

1. Hutnicky ustav Ceskoslovenske akademie ved, Praha.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODARSKAYA, V.R.

Some characteristics of the distribution of clay minerals in Paleozoic and Mesozoic sediments in connection with their genesis. Izv. AN SSSR. Ser.geol. 27 no.9:90-96 S '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut (VNIGNI), Moskva.
(Ural Mountain region--Clay)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

NOSOV, G.I.; VLODARSKAYA, V.R.

Relations between clay minerals and organic matter in the oil producing sediments of the southern margin of the Azov-Kuban trough. Lit. i pol. iskop. no.2:63-76 Mr-Ap '64. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODARSKAYA, V.R.; NOSOV, G.I.

Genetic type of clay minerals in Devonian and Permo-Triassic deposits of the Kama-Vyatka Depression. Dokl.AN SSSR 137 no.6:1430-1433 Ap '61. (MIRA 14:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut. Predstavleno akademikom N.M.Strakhovym.
(Kazhim region--Clay)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODARSKAYA, V.R.; KOTEL'NIKOV, D.D.

Clay minerals in Cretaceous sediments of the northwestern Caspian Sea region. Geol. nefti i gaza 5 no.9:20-24 S '60. (MIRA 13:8)

1. Moskovskiy gosudarstgennyy universitet i Institut geologii i razrabotki goryuchikh iskopayemykh AN SSSR [IGiRGI AN SSSR].
(Caspian Sea region—Clay)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODARSKIY, L.

"Metric Spaces of Series Which Are Summable by Continuous Methods," Bull. Pol'sk. AN. Otd. 3, Vol 2, No 1, 1954, pp 11-14

The author formulates 13 theorems without proof on several methods of factors. He separates some of the methods which he calls continuous and establishes that the field of a continuous method is a space of type L_0; He finds the general form of the linear functional in the field of a continuous method. (RZhMat, No 7, 1955) SO: Sum.No. 713, 9 Nov 55

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

CA

12

Photoelectric determination of fat in milk. N. Brio and I. Vlodavets. *Molochnaya Prom.* 12, No. 7, 29-31(1951). Fat is detd. in milk by photoelec. detn. of light transmission; the principle depends on turbidity caused by fat-droplet dispersion. A red color filter is desirable. An overall accuracy of 0.1-0.2% is obtained with the use of a prepd. calibration scale. G. M. Kosolapoff

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODAVETS, I.

Photoelectric determination of fat in milk. N. Drio and I. Vlodavets. Molochnaya Prom. 12, No. 7, 29-31 (1951).

Fat is detd. in milk by photoelec. detn. of light transmission; the principle depends on turbidity caused by fat-droplet dispersion. A red color filter is desirable. An overall accuracy of 0.1-0.2% is obtained with the use of a prepd. calibration scale.

G.M. Kosolapoff

immediate source clipping

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

12

CA

Apparatus for automatic control of moisture in butter. I. Vlodavets and M. Berliner. *Molochnaya Prom.* 12, No. 6, 21-4(1951).—The app. is an automatically operating dielec. const.-detn. device which records the results in continuous production of butter. A circuit diagram is given.

G. M. Kosolapoff

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODAVETS, I.

USSR/Chemical Technology - Chemical Products and Their Application. Food Industry, I-28

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63681

Author: Favstova, V., Vlodavets, I.

Institution: None

Title: Destabilization of Cream at Different Temperature

Original Periodical: Moloch. prom-st', 1955, No 7, 38-39

Abstract: A study was made of the effects of fat content of cream not subjected to mechanical stirring on the extent of its destabilization at different temperature. It was found that heating and holding of high fat content cream at 100° result in appreciable destabilization thereof only with a fat content of 90% and higher. Cooling of cream to 20-22° increases destabilization with a fat content of ~75%. Further decrease of temperature to -10° causes complete destabilization of cream containing 45% of fat.

Card 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

FRANK, G.M.; VLODAVETS, I.; starshiy nauchnyy sotrudnik; TUMANOV, I.I.; DANISHEVSKIY, G.M., prof.

Biometeorology. Znan.sila 35 no.1:25-27 Ja '60. (MIRA 13:5)

1. Chlen-korrespondent AMN SSSR (for Frank). 2. Institut fizicheskoy khimii AN SSSR (for Vlodavets). 3. Chlen-korrespondent AN SSSR, direktor fitotrona Instituta fiziologii rasteniy AN SSSR (for Tumanov).
(Metereological research) (Bioclimatology)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODAVETS, I.,
P. DYACHENKO, Molochnaya Prom. 11, No. 8, 24-6 (1950)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

1. VLODAVETS, I.

2. USSR (600)

4. Butter

7. Macrokinetics of butter formation. Mol. prom. 12 no. 12. 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODAVETS, I., D'YACHENKO, P , BOGOMOLOVA, YE.

USSR (600)

Milk - Analysis and Examination

Determining the size of casein particles in milk. Mol. prom. 13 No. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Uncl.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODAVETS, I.

C 1/4

Photoelectric determination of fat in milk. N. Brio and I. Vlodavets. Moloshnaya Prom. 12, No. 7, 29-31 (1951).

Fat is detd. in milk by photoelec. detn. of light transmission; the principle depends on turbidity caused by fat-droplet dispersion. A red color filter is desirable. An overall accuracy of 0.1-0.2% is obtained with the use of a prepd. calibration scale.

G.M. Kosolapoff

immediate source clipping

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODAVETS, I., DIYACHENKO, P., BOGUMILOVA, Ye.

Casein

"Determining the size of casein particles in milk." Mol. prom. 13,No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, _____1953. Unclassified.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODAVETS, I.N

VLODAVTSEV, I. N. (See VLODAVETS, I.N.)

Cand Chem Sci

Dissertation: "Kinetics of the Catalytic Oxidation of Methanol and Formaldehyde on a Silver Catalyst."

25 April 49

Sci Res Order of the Labor Red Banner Physicochemical Inst imeni L. Ya. Karpov.

SO Vecheryaya Moskva
Sum 71

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

VLODAVETS, I. N.

USSR/Chemistry - Analysis, Spot Test Nov 50

"Drop Reactions on Gelatin," I. N. Vlodavets

"Zavod Lab" No 11, pp 1403, 1404

Ordinary glued paper, covered with gelatin contg necessary reagent, is suggested for application of drops of soln under examn in drop-reaction tests. Reactive gelatin paper is somewhat more sensitive than glass plate due to factor that radial diffusion on paper is hampered resulting in localization of colored ppt. Drops of 10-5 ml in vol give quite clear colored spots. Method may be useful in cases when extremely small amt of soln is available for testing.

180T10

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

PA 190T 15

USSR/Chemistry - Catalysts May 51

"Some Relationships Involved in the Kinetics of Oxidation of Methanol to Formaldehyde on a Silver Catalyst," I. N. Vlodavets, S. Ya. Pshezhetskiy, Phys Chem Inst imeni L. Ya. Karpov, Moscow

"Zhur Fiz Khim" Vol XXV, No 5, pp 612-623

Exptl results showed that dehydration does not precede oxidation of MeOH to CH_2O on Ag catalyst, just as was found previously for the oxidation of isopropyl alc to acetone. Activation energy of MeOH $\rightarrow$ CH_2O is 16,000 cal/mol, which is lower than activation energy of oxidation of CH_2O or H_2. Interpreted reaction mechanism on the basis of the

LC 190T15

USSR/Chemistry - Catalysts (Contd)

following assumptions: (1) Successive initial stages of O_2 adsorption are removed from catalyst surface by the substance undergoing oxidation. (2) There is no adsorption equilibrium. (3) All the adsorbed active oxygen is on the same energy level. It is probable that the scheme proposed also explains the oxidation of CO, ethylene, and other substances.

LC 190T15

VLODAVETS, I. N.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2

MO

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
General and Physical Chemistry

(2)

Determination of the molecular weight of casein by the method of light scattering. P. P. D'yachenko and I. N. Vlodavets. Colloid J. (U.S.S.R.) 14, 307-73(1952)(Eng. translation).—See C.A. 47, 14664d.
H. L. H.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320009-2"