1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

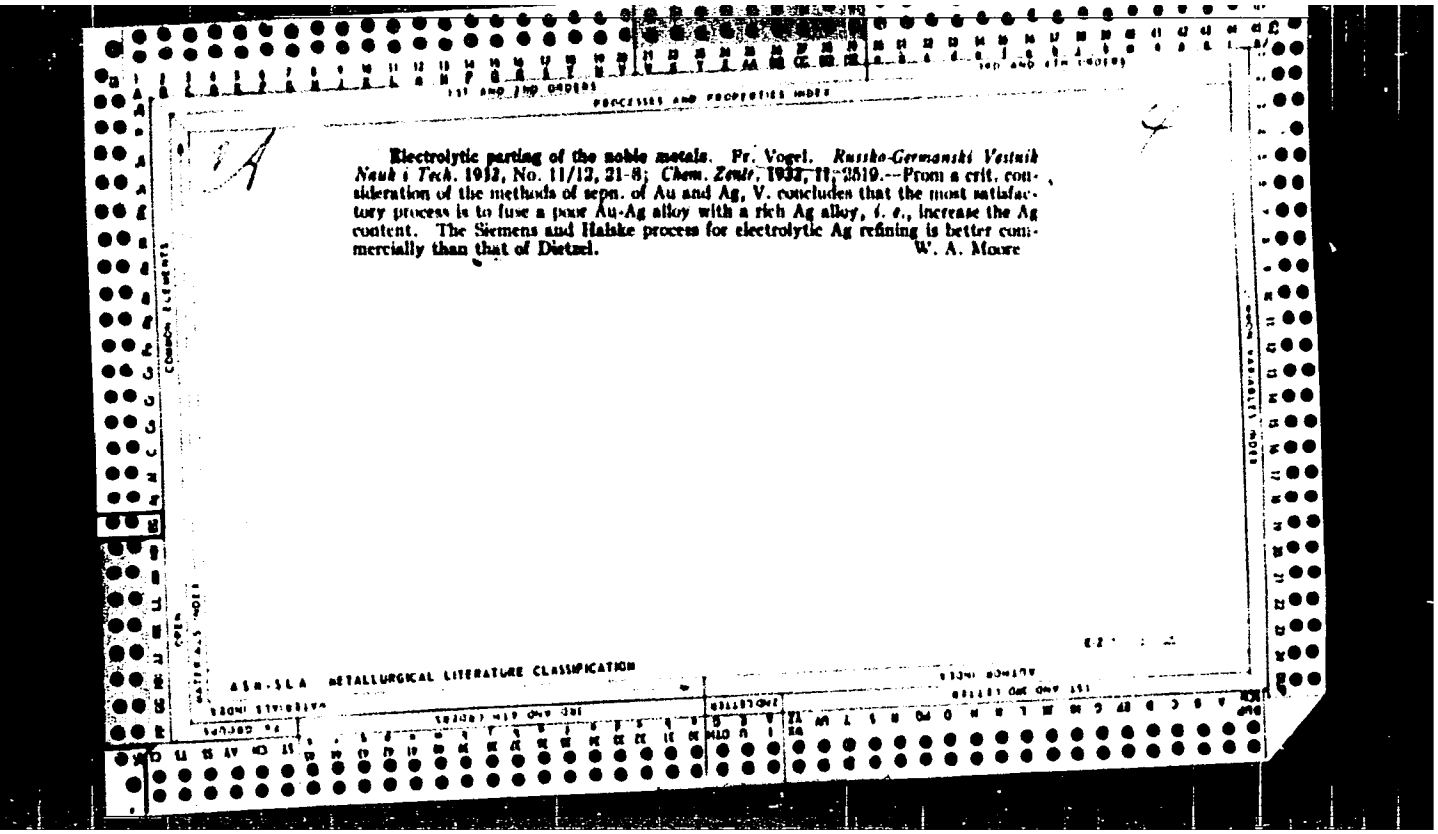
3RD AND 4TH ORDERS

BC

B-I-7

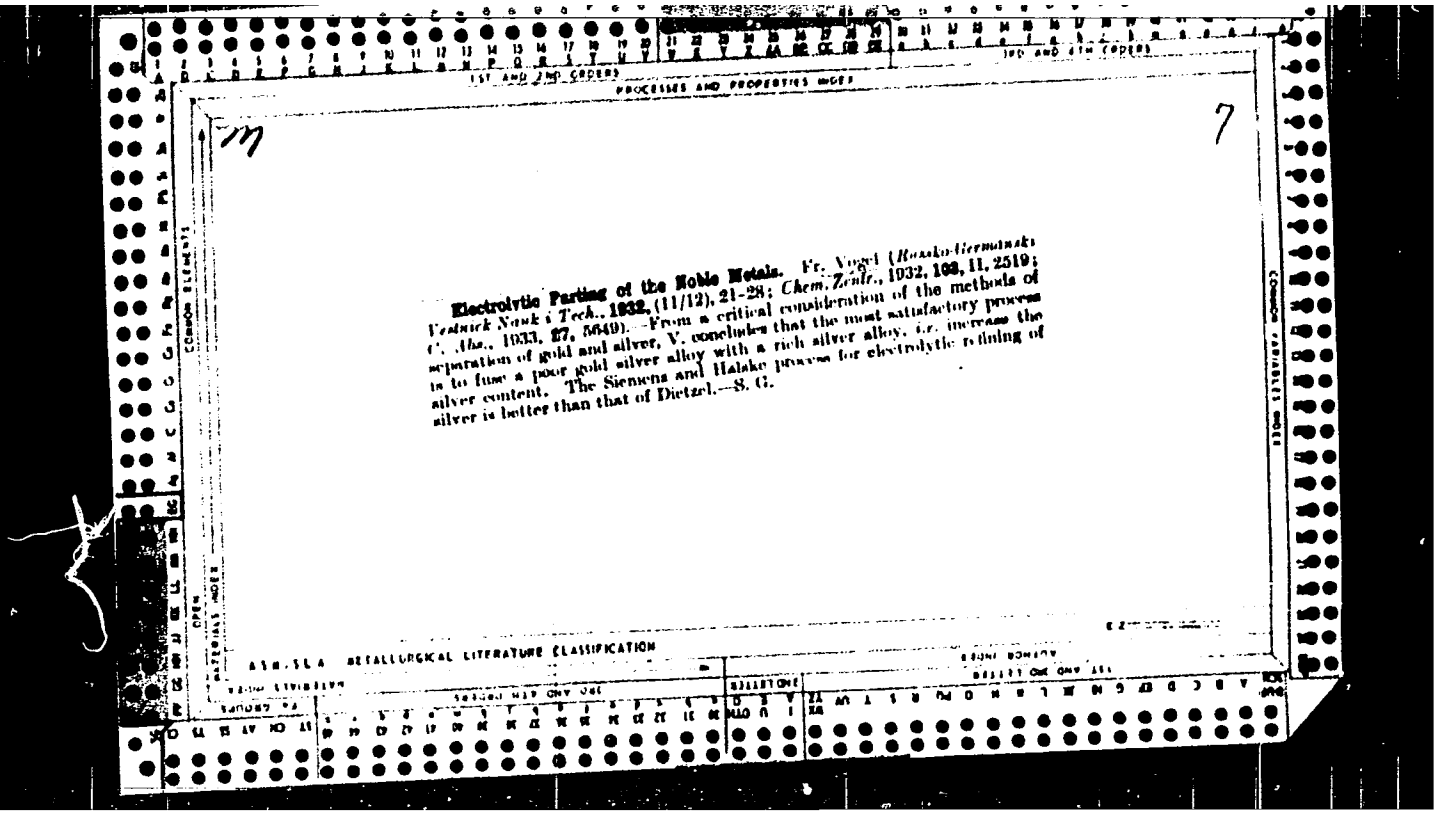
Electrolytic parting of the noble metals. F. [illegible] ([illegible]-German. Vestn. Nauk. Tekh., 19[illegible], No. 11—12, 21—[illegible]).—The Ag content of a Au-Ag alloy is preferably increased by fusion with a Ag-rich alloy. For electrolytic refining of Ag, the Siemens & Halske process is preferred to that of Dietzel. Ch. Abs.

METALLURGICAL LITERATURE CLASSIFICATION



Electrolytic parting of the noble metals. Fr. Vogel. *Russko-Germanski Vestnik Nauk i Tech.* 1932, No. 11/12, 21-8; *Chem. Zentr.*, 1933, II, 3519.—From a crit. consideration of the methods of sepn. of Au and Ag, V. concludes that the most satisfactory process is to fuse a poor Au-Ag alloy with a rich Ag alloy, *i. e.*, increase the Ag content. The Siemens and Halske process for electrolytic Ag refining is better commercially than that of Dietzel.

W. A. Moore



Electrolytic Parting of the Noble Metals. Fr. Vogel (*Russko-Germanskaya Vestnick Nauk i Tech.*, **1932**, (11/12), 21–28; *Chem. Zentr.*, 1932, **103**, II, 2519; *C. Abs.*, 1933, **27**, 5640).—From a critical consideration of the methods of separation of gold and silver, V. concludes that the most satisfactory process is to fuse a poor gold silver alloy with a rich silver alloy, *i.e.* increase the silver content. The Siemens and Halske process for electrolytic refining of silver is better than that of Dietzel.—S. G.

HEYM, E.; KRAUSE, H.; LIESEGANG, E.; VOGEL, G.; WESTPHAL, W.

Model experiments on influencing the irritability of skeletal muscles in various functional states of the superior central areas. Acta physiol. hung. 9 no.1-3:179-192 1956.

1. Institut for Veterinar-Physiologie der Humboldt-Universitat, Berlin.

(Muscles, physiol.
eff. of various indirect stimulations on chronaxy in skeletal musc. of frogs (Ger))

VOGEL, I.; SEGAL, A.

"We shall build, but how?"

p. 18 (Drumul Belsugului) No. 8, Aug. 1957
Bucharest, Rumania

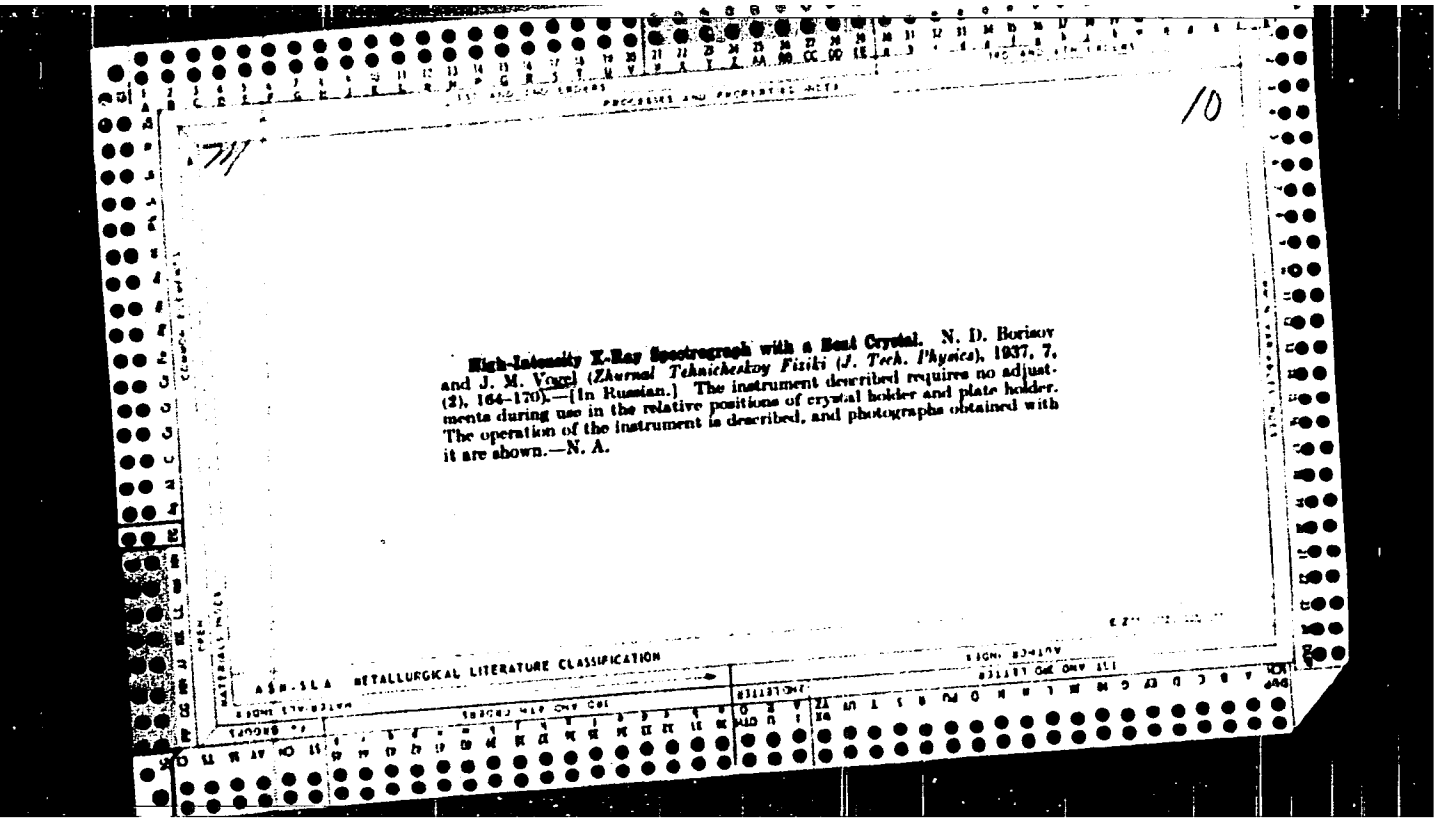
SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

VOGEL, I.; SEGAL, A.

"Let us establish a base of building materials for our constructions."

p. 8 (Drumul Belsugului) No. 9, Sept. 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958



10

High-Intensity X-Ray Spectrograph with a Bent Crystal. N. D. Borisov and J. M. Vogel (*Zhurnal Tekhicheskoy Fiziki* (*J. Tech. Physics*), 1937, 7, (2), 164–170).—[In Russian.] The instrument described requires no adjustments during use in the relative positions of crystal holder and plate holder. The operation of the instrument is described, and photographs obtained with it are shown.—N. A.

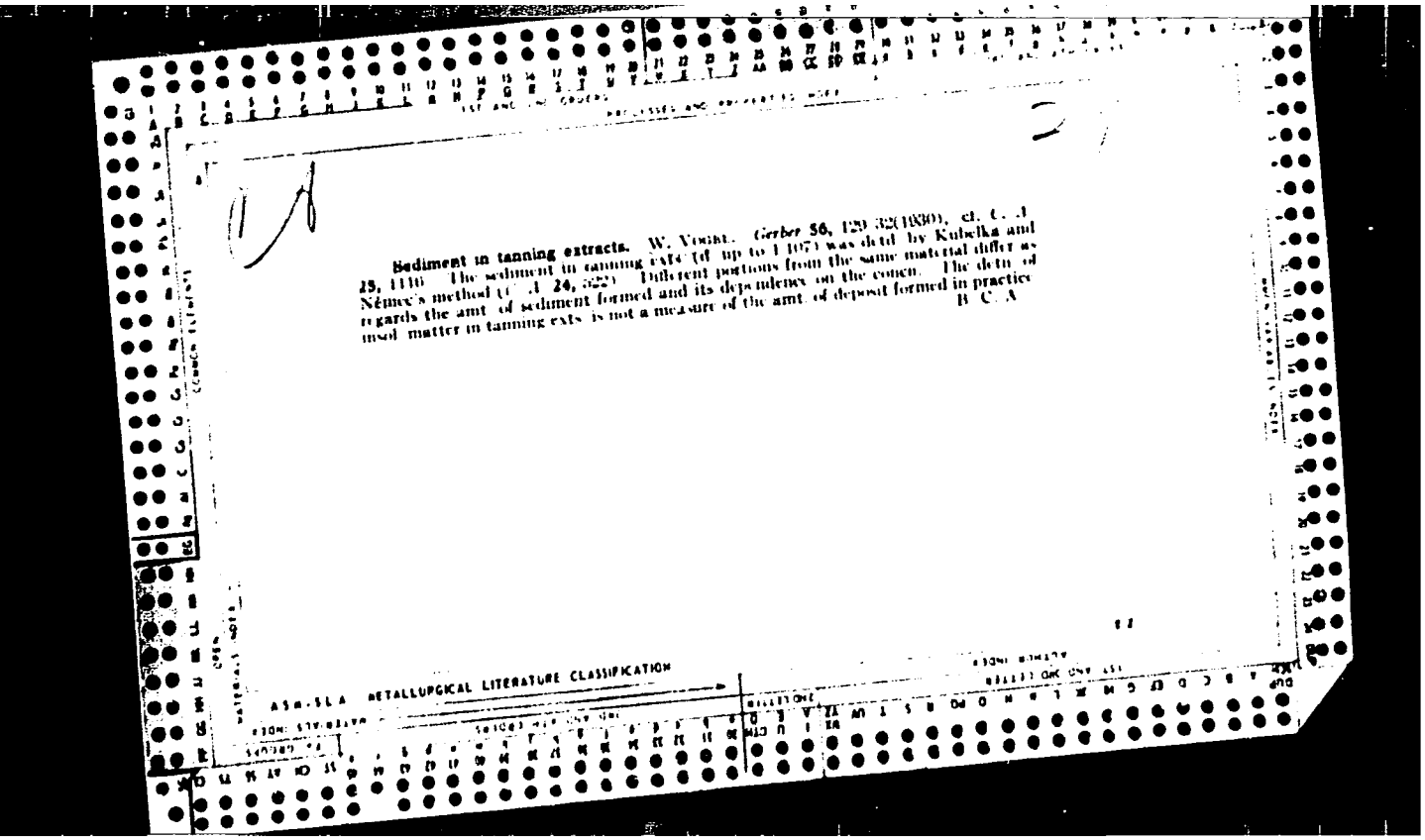
A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

CA

General & Eng.
Chem-2

The diagram of state iron-iron phosphide-aluminum phosphide-aluminum. Rudolf Vogel and Helmut Kloss (Univ. Göttingen, Ger.). *Arch. Eisenhüttenw.* 23, 287–91(1952).—The diagram of state of the system Fe-Al-P was investigated more closely in the Fe corner by thermal and structural examn. The P content of the ternary solid soln. range decreases rapidly with increasing Al content from 2.8 to 1.2% and then remains const. In the peritectic and eutectic quaternary reaction one ternary α-solid soln. in each participates. An abs. difference in affinity of Fe and Al to P does not exist. Whether P is bound to Fe or Al depends on the ratio of Fe to Al. M. Hartenheim

Possibility of finding models for the study of condensed systems. T. A. Popova (State Sci. Research Inst. Glass, Moscow). *Zhur. Fiz. Khim.* 26, 878–81(1952); cf. *C.A.* 42, 5328b.—A binary system (*C* and *D*) melting at low temp. can serve, as far as the phase diagram is concerned, as a model for a system of *A* and *B* melting at high temps. If there is a definite relation between the ratios T_1M_1/T_2M_2 and T_3M_3/T_4M_4; T_1, T_2, T_3, and T_4 and M_1, M_2, M_3, and M_4 are the m.ps. and the mol. wts. of *A*, *B*, *C*, and *D*, resp. Thus, system PhOH-*o*-cresol can be a model for TlBr-TlI system, etc. I. J. Bikerman



Sediment in tanning extracts. W. Vonius. *Gerber* **56**, 129-32(1930); cf. C. A. **25**, 1110. The sediment in tanning extr. (of up to 1.107) was detd. by Kubelka and Němec's method (C. A. **24**, 5221). Different portions from the same material differ as regards the amt. of sediment formed and its dependence on the concn. The detn. of insol. matter in tanning exts. is not a measure of the amt. of deposit formed in practice.
B. C. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

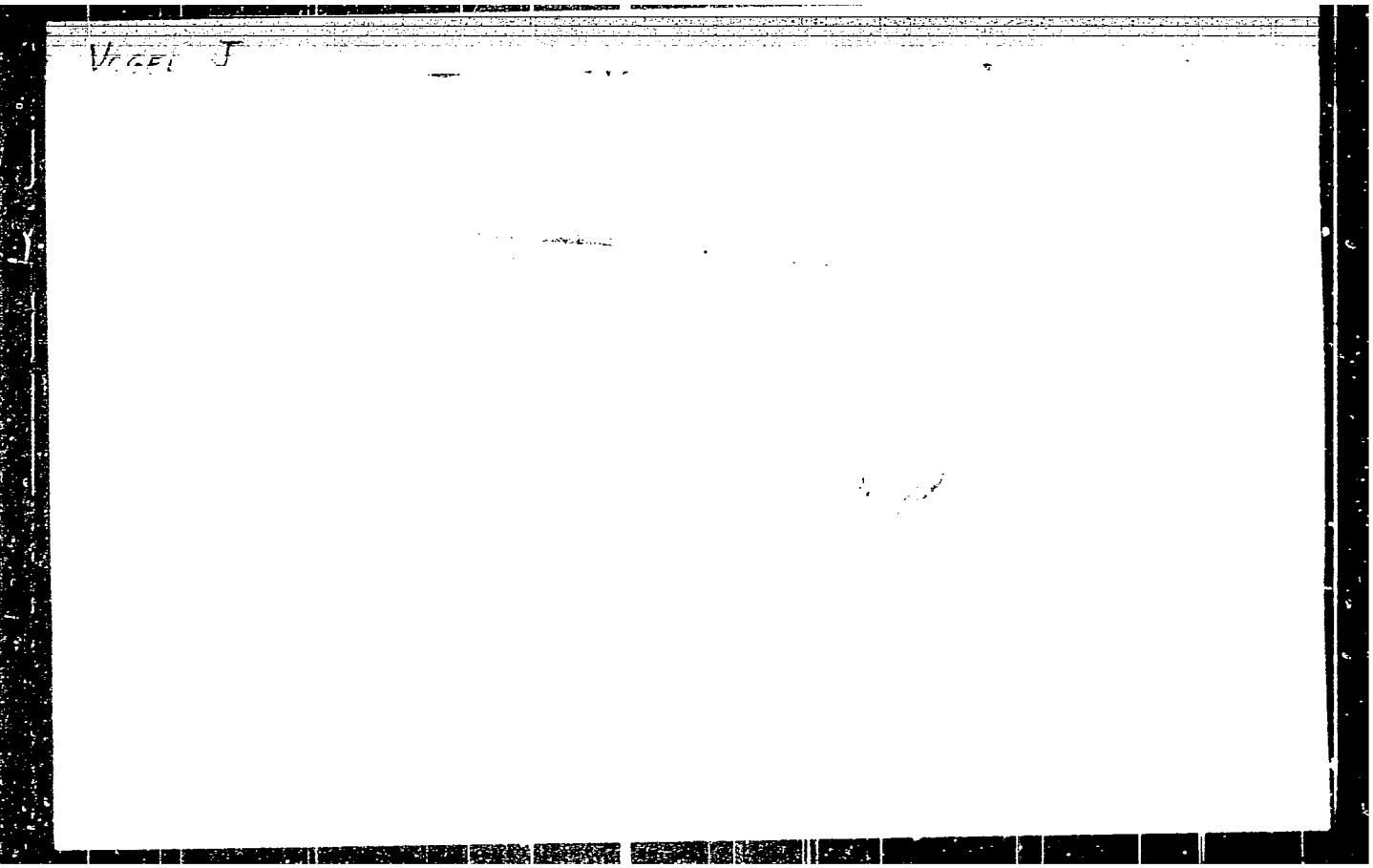
The structure of α-glucosan and similar compounds. H. Vogel (Bludenz, Austria). *Österr. Chem.-Ztg.* 52, 21-6 (1951).—The glucosan prepd. by Pictet (*C.A.* 14, 3226) on heating glucose *in vacuo* is not a pure compd. but is contaminated with the starting material and other by-products. The main portion, however, consists of 2-hydroxy-methyl-glucal(1,6). The latter was prepd. by heating glucose with anhyd. piperidine.

Dorit L. Noether

VOGEL, J.; KRYSPIN, J.

New method of measuring of tissue resistance in ohms.
Physiol. bohem. 5 no.3:381-384 1956.

1. Polarographisches Institut der Tschsl. Akademie d. Wissenschaften, Prag, und Neurochirurgische Klinik der VLA, Hradec Kralove.
(ELECTROPHYSIOLOGY,
measurement of tissue resist. in ohms (Ger))



VOGEL, J.; KRYSPIN, J.

New method of electrical resistance of tissue in ohms.
Cesk. fysiol. 5 no.2:240-243 23 June 56.

1. Polarograficky ustav CSAV, Praha a Neurochirurgicka klinika VLA, Hradec Kralove. Predneseno na schuzi Fysiol. sekce spolecnosti J. E. Purkyne, odbocka Hradec Kralove dne 2. XI. 1954.
(ELECTROPHYSIOLOGY,
determ. of electrical resist. of tissue in ohms. (Cz))

VOGEL, Jiri

CZECH

Acetylation of vinylidene chloride. Otto Wichterle and Jiri Vogel (Vysoka skola chem., Prague). *Chem. Listy* 48, 1229–31; *Collection Czechoslov. Chem. Communs.* 19, 1197–1214(1954)(in English).—A new modification of the prepn. of $CH_2:CCl_2$ (I) from CH_3CICCl_2 (II) is described: II was added dropwise to the top of a column filled with granulated Zn. Water was boiled in a flask connected to the lower end of the column. The top of the column was fitted with a reflux condenser fed with 30° warm water. The condenser returned II and H_2O to the column while I passed to a condenser and receiver cooled with ice water; b.p. of I, 31–1.5°. Adding to a stirred mixt. of 59 g. AcCl and 100 g. $AlCl_3$ 73 g. I at 0 to −5°, decompg. the mixt. with ice, and steam distg. gave 83 g. $MeCOCH:CCl_2$ (III), stable when wet and covered with H_2O, b. 153–6°, d_{20} 1.3098, n_D^{20} 1.4928. Dry III decomps. slowly, releasing HCl. III *phenylhydrazone*, m. 77–8°; *semicarbazone*, m. 169–70° (from MeOH). Refluxing III (6 g.) in 30 ml. EtOH with 6 g. Zn dust (added in three 2-g. portions), dilg. the cooled mixt with H_2O, extg. the oil with Et_2O, and distg. the ext. gave $MeCOCH:CHCl$, b. 125–30°; *semicarbazone*, m. 127° (from EtOH). Adding 8.8 g. III in 35 g. Et_2O to EtMgBr prepd. from 4.8 g. Mg and 22 g. EtBr gave 6.5 g. $MeEtC(OH)CH:CCl_2$, b_{14} 77–8°. Treating a mixt. of 78 g. AcCl and 66.5 g. $AlCl_3$ with 48.6 g. I at 30° gave, in

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addn. to 50 g. III, 12 g. of a compd., $C_6H_5ClO_2$ (IV), b. 230-2°, $b_{?}$ 97-8°, m. 65-6° (from H_2O). IV is considered to be either 2-methyl-6-chloro-4H-pyran-4-one, or 6-methyl-4-chloro-2H-pyran-2-one, since its hydrogenation over PtO_2 in MeOH gave 63% $Me(CH_2)_4CO_2Me$, b. 160-2°. Adding the ester (1.7 g.) to a mixt. prepd. by the reaction of $PhNH_2$ (2.12 g.) with EtMgBr (from 2.81 g. EtBr and 0.63 g. Mg) yielded $Me(CH_2)_4CONHPh$, m. 66-7°. Treating 66.5 g. III with 5 g. concd. H_2SO_4 at 60-70° 2 hrs., removing the HCl liberated with a stream of air, raising the temp. after 1 hr. to 100°, adding 1 g. H_2SO_4, pouring the mixt. after 2 hrs. at 100° into H_2O (the product solidified), steam distg. 3 g. of III, dissolving the residue in Et_2O, and distg. the ext. in vacuo gave 37 g. of a compd., $C_8H_6Cl_2O_2$ [6-(2,2-dichlorovinyl)-4-methyl-2H-pyran-2-one] (V), $b_{?}$ 143-6°, m. 65-6° (from MeOH), mol. wt. 206.2. Bromination of V in CCl_4 gave a compd., $C_8H_6BrCl_2O_2$, m. 142-3°. Hydrogenation of 25 g. V in 200 ml. MeOH over 0.1 g. PtO_2 gave, after 20 hrs. (consumption 4.2 moles H_2) 7 g. $EtMeCH(CH_2)_3CO_2Me$ (VI), $b_{?}$ 65.5-7°, $d_{?}$ 0.832, $n_D^{?}$ 1.416. Hydrolysis of VI gave 80% $EtMeCH(CH_2)_3CO_2H$ (VII), $b_{?}$ 115°, $d_{?}$ 0.9103, $n_D^{?}$ 1.4320. Adding 4.05 g. VI to 0.665 g. $LiAlH_4$ in Et_2O, refluxing the mixt. 1 hr., and decompg. the mixt. with 3% HCl gave 3.24 g. $MeEtCH(CH_2)_4OH$ (VIII), b. 180-5°. Refluxing 3.24 g. VIII, 11.3 g. azeotropic HBr, and 2.9 g. concd. H_2SO_4 5 hrs. yielded 2.13 g. $EtMeCH(CH_2)_4Br$ (IX), b. 185-9°. Treating 2.13 g. IX in Et_2O with 0.265 g. Mg, and decompg. the Grignard agent with H_2O gave 0.4 g. $EtMeCH(CH_2)_3Me$, b. 114-16°

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The identity of VII was checked by comparison with a synthetic compd. prepd. as follows: MeCHBrEt (69.5 g.) and 80 g. $CH_2(CO_2Et)_2$ gave 76 g. $MeEtCHCH(CO_2Et)_2$, the hydrolysis of the ester and decarboxylation of the free acid yielding 85% $EtMeCHCH_2CO_2H$, b. 194–8°. Treatment with $SOCl_2$ and subsequent treatment with EtOH gave 93% $EtMeCHCH_2CO_2Et$, b. 156–9°, the reduction of which with Na in EtOH-PhMe yielded 44% $EtMeCHCH_2CH_2OH$, b. 151–4°. Transforming the alc. with PBr_3 at 10° to 70% $EtMeCHCH_2CH_2Br$, b. 145–8°, treating the bromide with Na and $CH_2(CO_2Et)_2$, hydrolyzing the ester and decarboxylating the free acid at 200° yielded 67% VII, b. 228–32°; *Me ester*, prepd. with CH_2N_2, b. 180–5°; *anilide*, m. 40–10.5°, identical with that prepd. from VI.

M. Hudlicky

VOGEL, J

CZECH

Apparatus for rapid oscillographic quantitative analysis. P. Valenta and J. Vogel (Polarograficky ústav ČSAV, Prague). *Chem. Listy* 49, 351-3 (1955).—A simple adapting unit for the cathode-ray oscilloscope "Křižík N-523" was designed. The device enables the method of saw-tooth-voltage impulse to be applied in quant. oscillo-polarographic analysis. The wiring diagrams are included. F. S.

BI

VOGEL, J. Czech CA: 47:11030

Central Polarographic Inst., Prague

"A new apparatus for oscillographic polarography."

Sborník Mezinárod. Polarog. Sjezdu Praze, 1st Congr. 1951, Pt. III, Proc., 731-6 (in Czech), 736-8 (in Russian), 739-42 (in German)

VOGEL, J. J.

J. Heyrovsky Institute of Polarography of the Czechoslovak Academy of Sciences, Prague

Prague, Collection of Czechoslovak Chemical Communications, No 10, 1965, pp 3523-3525

"A Note on the Theory of Polarographic Currents."

C. A

Addition of nitroso compounds to conjugated systems. O. Wichterle and J. Vogel. *Collection Czechoslov. Chem. Communs.* 14, 209-18(1949)(in English); cf. C.A. 42, 536h. -Present work confirms the results of Arbuzov (C.A. 43, 634k) that the reaction of PhNO and MeC(:NO)Cl gives *2-phenyl-3,6-dihydro-1,2-oxazine* (I) rather than 1-phenyl-3,4-oxidopyrrolidine. The action of various Grignard reagents on I results in the splitting of the O–N bond and hydrogenation to *PhNHCH$_2$CH:CHCH$_2$OH* (II), b$_3$ 150-60°; the alkyl radicals formed from the Grignard either join or disproportionate into an olefin and a paraffin. Dehydration of II by H_3PO_4 gives *1-phenyl-3-pyrroline* (III); methiodide, m. 138° (from EtOH). Ozonization of III and subsequent hydrogenation of the ozonide with PtO_2 gives *4-phenylmorpholine*, m. 58.3-9°. EtMgBr (IV) and *2-phenyltetrahydro-1,2-oxazine* give 61% *4-phenylamino-1-butanol* (V), b$_3$ 157°, n_D^{25} 1.5629, d_4^{25} 1.0508, which yields an acid oxalate, white needles from MeOH, m. 124.8-5° (decompn.); hydrogenation of II also yields V. Dehydration of V by H_3PO_4 gives *1-phenylpyrrolidine*; picrate, m. 115-15.5°. IV did not react with either PhNMeOCH$_2$CH:CH$_2$ or PhNMeOPr. P. M. Downey

POLAND / General Problems of Pathology. Immunity. U

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13425

Author : Manski, W.; Vogel, M. ; Zylberberg, A.
Inst : Polish Academy of Sciences
Title : Complement Inactivation in vivo and in vitro.

Orig Pub : Bull. Acad. polon. sci., 1957, Cl.2, 5, No. 9, 287-293, XXXVIII

Abstract : Some polysaccharides and their sulfonated derivations were investigated with the purpose of finding the substances with the greatest anti-complementarity and least toxicity for its possible use in inhibition of immune hemolysis in hemolytic diseases. In vitro the complement (C) of rabbit, guinea pig and man was inactivated: soluble (depolymerized) inulin (I), heparin (II),

Card 1/3

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POLAND / General Problems of Pathology. Immunity. U

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13425

Congo red, aqua blue in a concentration of 4.5-5 mg/ml; germanin (III), II, agar -3 mg/ml; zymozane (IV) - 0.6 mg/ml; 1-0.5 mg/ml; sulfonated dextran (V)- 0.075 - 0.1 mg/ml. They inactivated C'3. In experiments on rabbits and guinea pigs, C was inactivated by V (8mg/ml), III (310 mg/ml), I and IV (100 mg/ml). The duration of complete inactivation of C is larger in guinea pigs (for III 40 min., for V 70 min.), than in rabbits (15 min.); restoration of the initial titer of C is faster in guinea pigs (after 70-125 min.) than in rabbits (after 220 min.). The least toxic in vivo are V and III even with frequent multiple introduction. The most toxic is I. Since the SO_3H group enters

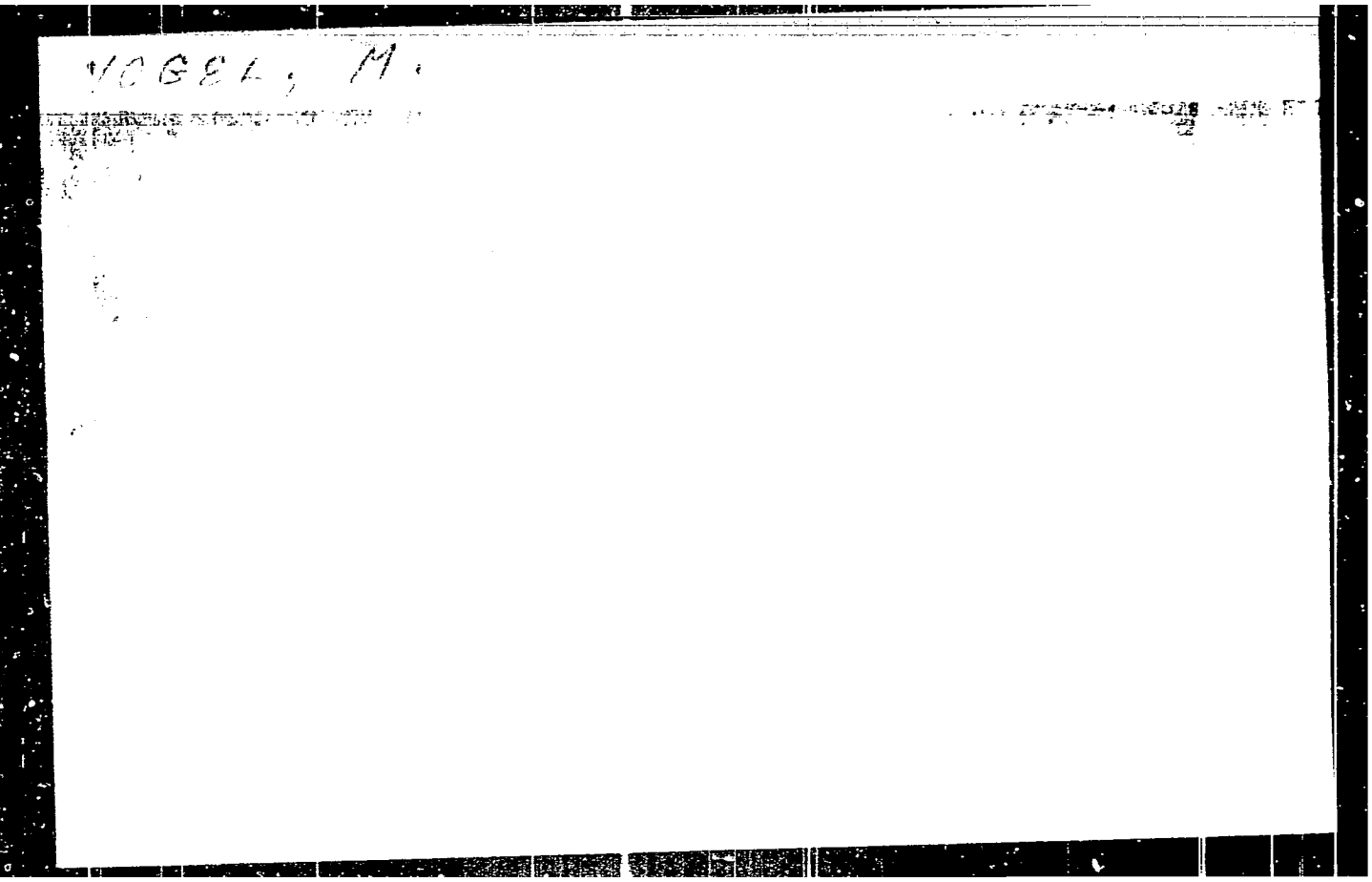
Card 2/3

POLAND / General Problems of Pathology. Immunity. U

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13525

into the composition of II, V, III, Congo red and aqua blue, which inactivate C, it is assumed that it determines the anticomplementary and anticoagulative properties of the given compounds. Therefore it follows that C'3, similar to prothrombin, is a protein which has in all probability many alkaline reactive groups. -- F. L. Buch

Card 3/3



VOGEL, M.

VOGEL, M. The German tourist paths are waiting for Polish tourists. p. 12.

Vol. 28, no. 10, Oct. 1956
TURYSTA
Poland

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

MANSKI, Wladyslaw; VOGEL, Marian; ZYLBERBERG, Aurelia

Effect of various polysaccharides, sulfonic derivatives of polysaccharides & aromatic salts of sulfa-acids on the complement. Med. dosw. mikrob. 10 no.1:53-60 1958.

1. Z Instytutu Immunologii i Terapii Doswiadczalnej im. Ludwika Hirszfelda O. A. N. we Wroclawiu Dzial Biochemii Kierownik: doc. dr W. Manski.

(POLYSACCHARIDES, eff.
on complement (Pol))
(COMPLEMENT, eff. of drugs on
polysaccharides, sulfur-containing polysaccharies & aromatic salts of sulfa-acids (Pol))

COUNTRY	:	CZECHOSLOVAKIA
CATEGORY	:	Chemical Technology. Chemical Products and Their Uses. Part 3. Processing of Solid*
ABS. JOUR.	:	RZKhim., No. 1 1960, No. 2406
AUTHOR	:	Vogel, O.
INST.	:	-
TITLE	:	Long-Distance Gas Supply in Czechoslovakia. Part III. Brown-Coal Gas
ORIG. PUB.	:	Sklar a keramik, 1959, 9, No 2, 42-44, 46
ABSTRACT	:	The modern method of gasification of brown coals, particularly Czechoslovak ones, with a view to production of gas suitable for long-distance gas supply of industrial and private consumers, as well as prospects of development of the production of such gas, were examined. Bibl. 28 titles. Part II, see RZhKhim., No 17, 1959, No 62236.
		*Fossil Fuels
CARD:		1/1

VOGEL, O.

An interesting case of a serious breakdown in gas supply. p.203.
(Sklar A Keramik, Vol. 7, No. 7, July 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

VOGEL, O.

"Long-distance transportation of gas in Czechoslovakia." P. 10.

SKLAR A KERAMIK. (Ministerstvo lehkeho prumyslu). Praha, Czechoslovakia, Vol. 9, No. 1, Jan. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

VOGEL, O.

"Long-distance distribution of gas in Czechoslovakia." Pt. 3. Lignite gas. P. 42.

SKLAR A KERAMIK. (Ministerstvo lehkeho prumyslu). Praha, Czechoslovakia, Vol. 9, No. 2, Feb. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

VOGEL, O.

"Long-distance distribution of gas in Czechoslovakia." Pt. 4.
"Natural gas. (To be contd.) P. 73.

SKLAR A KERAMIK. (Ministerstvo lehkeho prumyslu). Praha, Czechoslovakia,
Vol. 9, No. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

VOGEL, O.

"Long-distance gas distribution in Czechoslovakia. Pt. 5. Comparison of long-distance gases with a producer gas." P. 105.

SKLAR A KERAMIK. (Ministerstvo lehkeho prumyslu). Praha, Czechoslovakia, Vol.9, No. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

VOGEL, O.

Loss of slag by insufficient burning, p. 174, SKLAR A KERAMIK (Ministerstvo lehkeho prumyslu) Praha, Vol. 5, No. 8, Aug. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

VOGEL, O.

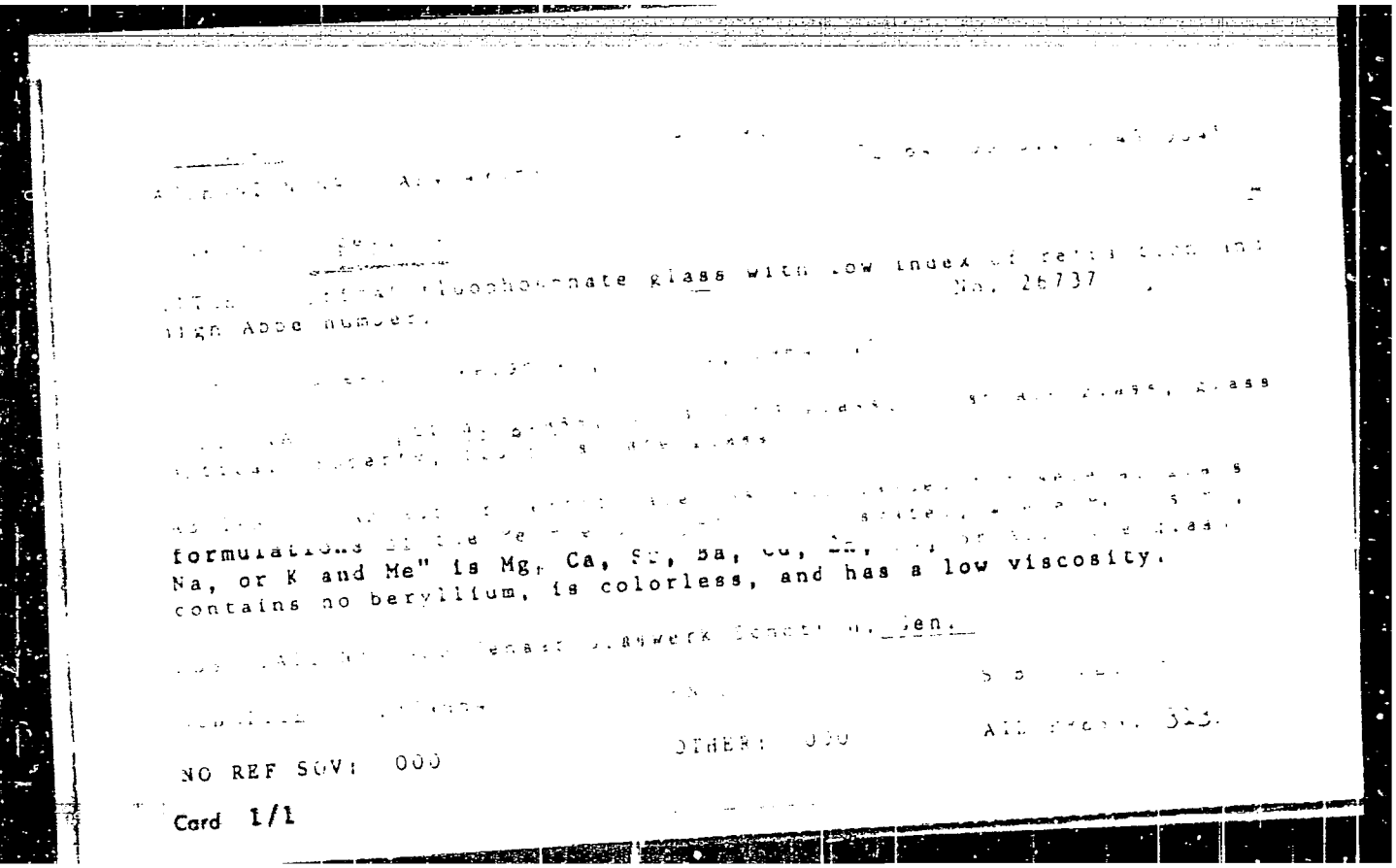
"Remarks on Gas Analyses by the Orsat Apparatus." p. 158 (Paliva, Vol. 33, no. 7/8, July/Aug. 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

VOGEL, Theo

Experiences and possibilities of using vacuum spectrometers.
Magy kem folyoir 68 no.12:541-542 D '62.

1. ARL, Inc., Lausanne, Svajc.



high Abbe numbers.

No. 26737

formulations [illegible] Na, or K and Me" is Mg, Ca, Sr, Ba, Cd, Zn, [illegible] contains no beryllium, is colorless, and has a low viscosity.

NO REF SOV: 000

OTHER: 000

Card 1/1

AUTHOR:

TITLE: Optical glass. No.

SOURCE: Steklo i keramika, no. 11, 1964, 45

TOPIC TAGS: tertiary system, refractive index

of the B_2O_3-ZnO-WO_3 (or MoO_3) tertial

and

Nb_2O_5, 15-25 La_2O_3, 10 TiO_2, and in place of oxygen [illegible]

ASSOCIATION: VEB Jenaer Glaswerk Schott u.Gen (VEB Jena Glassworks, Schott and Gen)

SUBMITTED: [illegible] ENCL: 00 SUB CODE: MT, IC

NO REF SOV: 000 OTHER: 000

Card 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860410006-5"

ACC NR: AP6034884 SOURCE CODE: PO/0015/66/000/008/0219

AUTHOR: Vogel, W.(Doctor); Gerth, K.

ORG: VEB Jena Glassworks Schott Gen. Jena Glassworks Schott Gen. Jena, (NRD) (VEB Jenaer Glaswerk Schott Gen. Jena) (NRD)

TITLE: Fluorophosphate optical glass with low light refractive index and high Abby number. GE Pat. No. 1/00. 49610 [announced by VEB Jena Glassworks Schott Gen. Jena (NRD) (VEB Jenaer Glaswerk Schott Gen. Jena (NRD) (VEB Jenaer Glaswerk Schott Gen. Jena (NRD))]

SOURCE: Szklo i ceramika, no. 8, 1966, 219

TOPIC TAGS: optic glass, fluorophosphate, light refraction index, fluorosilicate glass, metal fluoride glass

ABSTRACT: The patent deals with fluorophosphate optical glass which is colorless and which because of the high content of metal fluorides and fluorosilicates has very low viscosity in the melted state. Evaporation of the components of the glass during the melting process takes place to a degree sufficient for further industrial utilization. By properly varying the chemical composition, glass with a light refractive index from 1.45 to 1.53 and Abby number from 55 to 80 can be obtained. Because of these properties, the glass is suitable for use in micro-optical instrumentation and, by virtue of its good resistance to humidity, may be employed in external lens systems. This glass

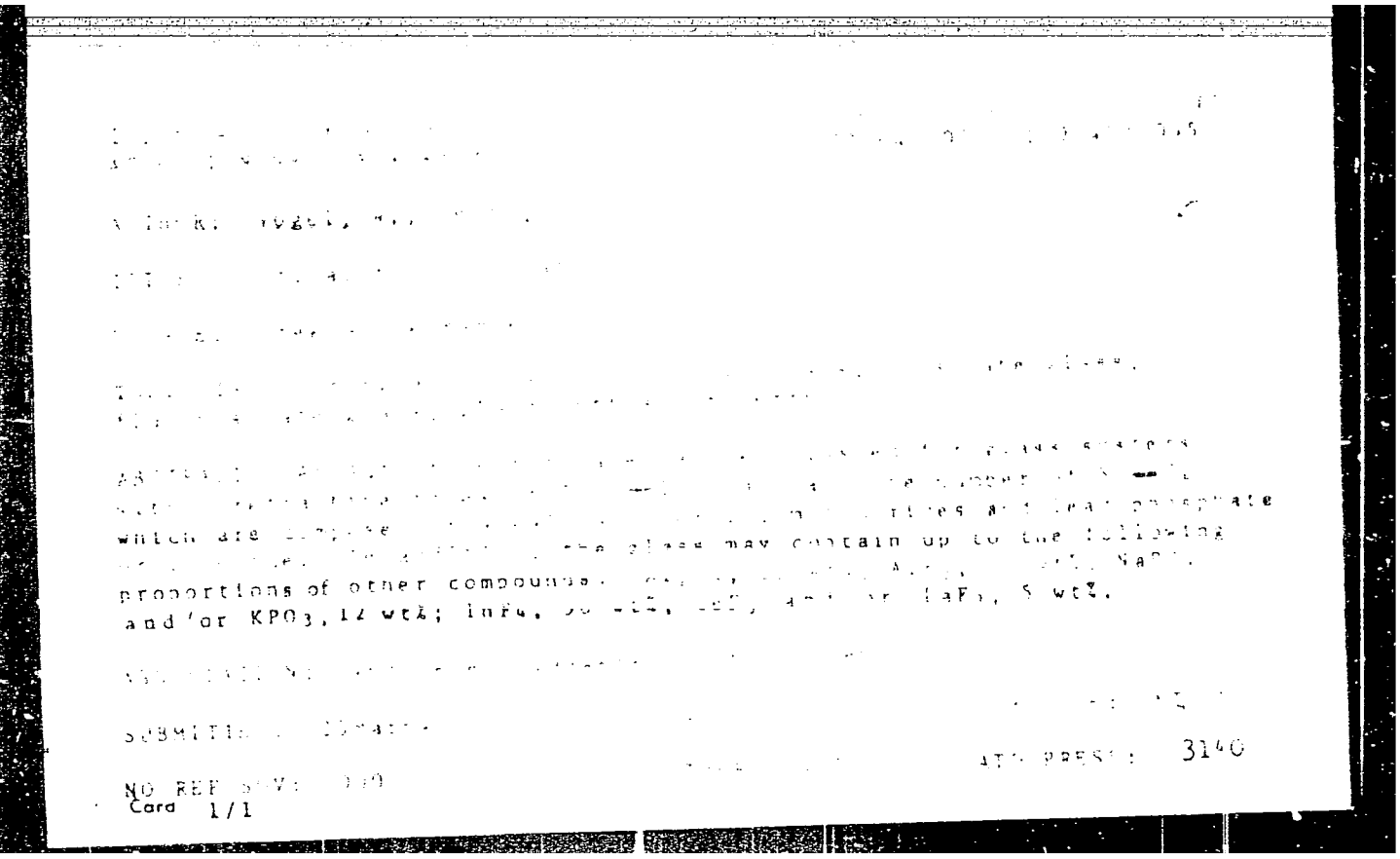
Card 1/2

ACC NR: AP6034884

is characterized by a composition consisting of $ME^{(I)}F - Me^{(II)}SiF_6 - Al(PO_3)_3$, where Me(I) indicates lithium, sodium, or potassium, and Me(II) indicates manganese, calcium, strontium, barium, cadmium, zinc, lead, or aluminum. Further details on the composition are given.

SUB CODE: 11/ SUBM DATE: none

Card 2/2



proportions of other compounds
and/or KPO_3, 12 wt%; InF_3,

AT. PRESS: 3140

Card 1/1

L 13677-65 ... Pr-4/Ps-4 ...

ACCESSION NR: AP4... S/0072/64/000/011/0045/0045

AUTHOR: Vogel, W.

TITLE: Fluoride-phosphate optical glass ...

SOURCE: Steklo i keramika, no. 11, 1964, 45

TOPIC TAGS: fluorocompound, barium compound, ... compound, lanthanum compound, refractive index

TRANSLATION: Glasses of various compositions of the BaF-BeF$_2$-Sr (PO$_3$)$_2$ system or Ba (PO$_3$)$_2$-x; where the x compounds are ..., ..., ..., ..., LF$_3$,

ASSOCIATION: VEB Jenaer Glaswerk Schott ... Jena Glasswerks Schott and Gen.)

SUBMITTED: 06Apr64 ENCL: 00 SUB CODE: MT, IC

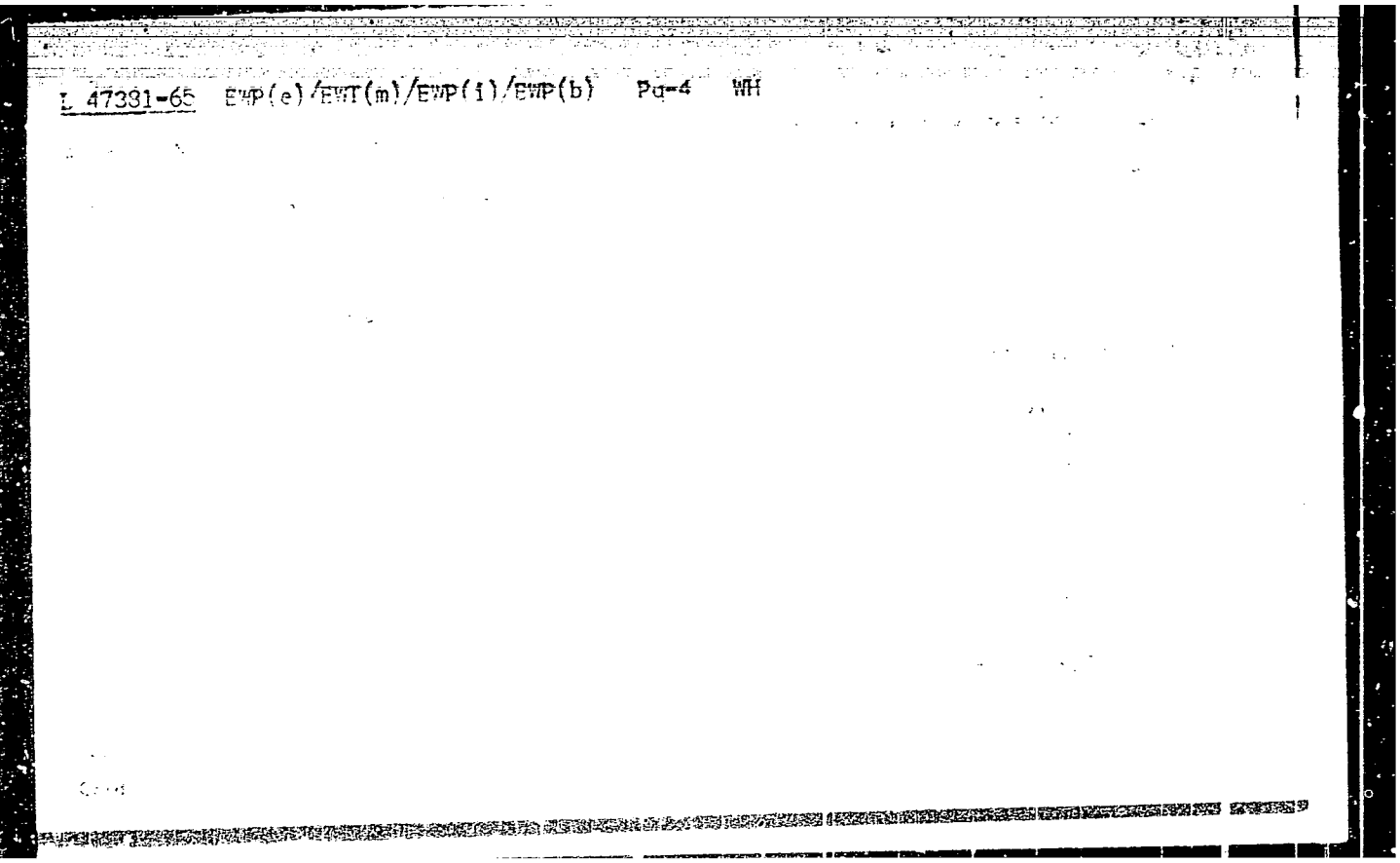
NO REF SOV: 000 OTHER: 000

Card 1/1

ACCESSION NR: AP5012036 UR/0072/65/000/005/0046/0046

AUTHOR: Vogel, W.; Heindorf, W.

Card 1/1



Z/056/63/020/003/004/005
E073/E135

AUTHOR: Vogel, Z.

TITLE: Cutting properties of austenitic steels

PERIODICAL: Hutnictví a strojírenství. Přehled technické a hospodářské literatury, v.20, no.3, 1963, 150, abstract HS 63-1843. (Mechanik, Warsaw, v.35, no.9, 1962, 495-500)

TEXT: A study of the factors which lower the cutting properties of austenitic steels and of the methods of improving them so as to increase the service life of the tool cutting edge. An analysis is made of the influence of stresses, hardness, quantity of martensite, plastic deformation, etc. The cutting properties are also studied with regard to surface smoothness. 10 figures. 5 tables. 17 references.

[Abstracter's note: Complete translation.]

Card 1/1

VOGEL, Zbigniew, mgr inz.

The machinability of austenitic steel. Mechanik 35 no.9:495-500 '62.

1. Politechnika Slaska, Gliwice.

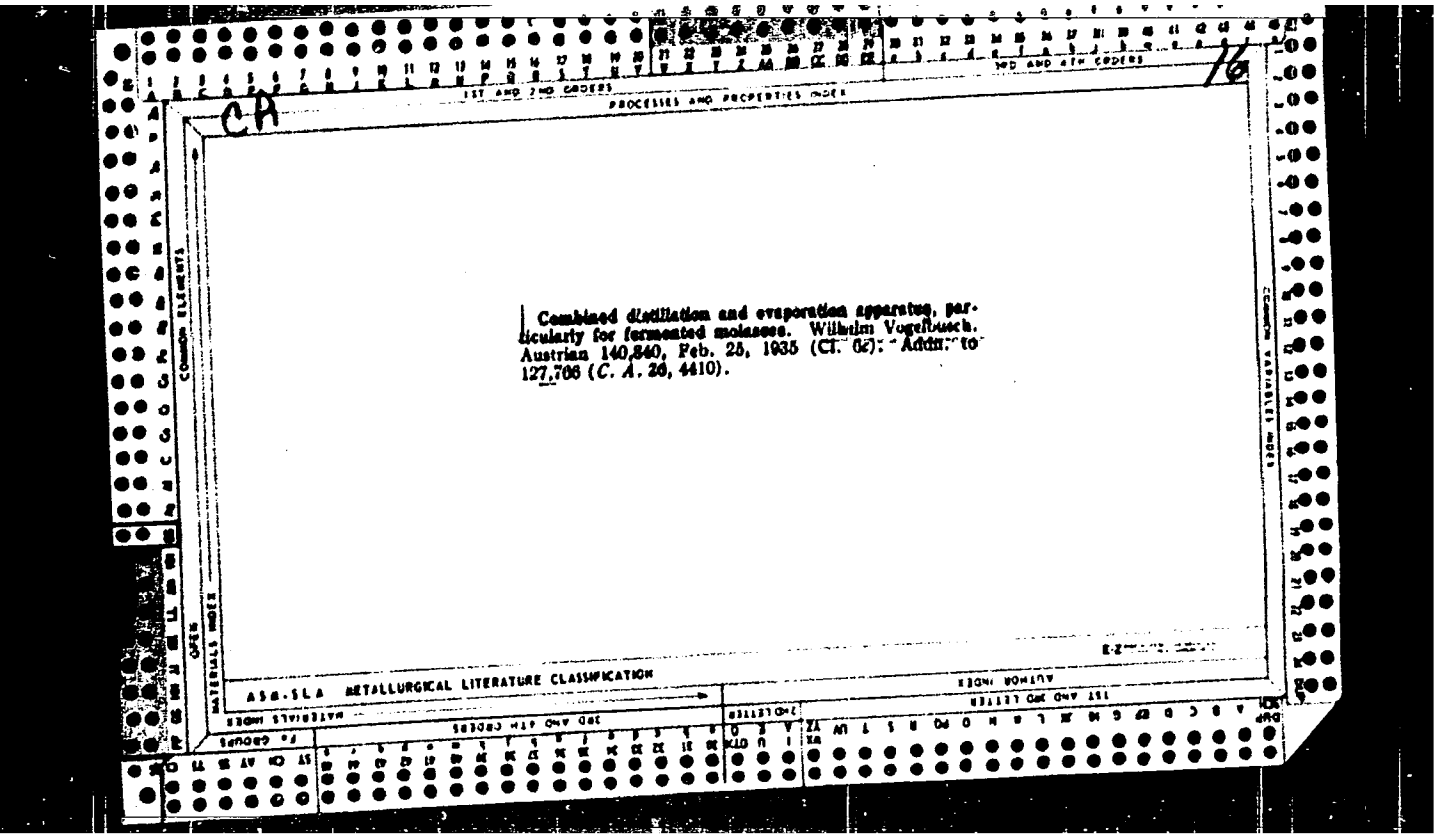
Z. VOGEL

"Distribution of the Aesculapian snake (Elaphe longissima) in the territory of Czechoslovakia. p. 8. (CASOPIS;ODDIL PRIRODOVEDNY, Vol. 121, no. 1, 1952, Prague, Czechoslovakia)

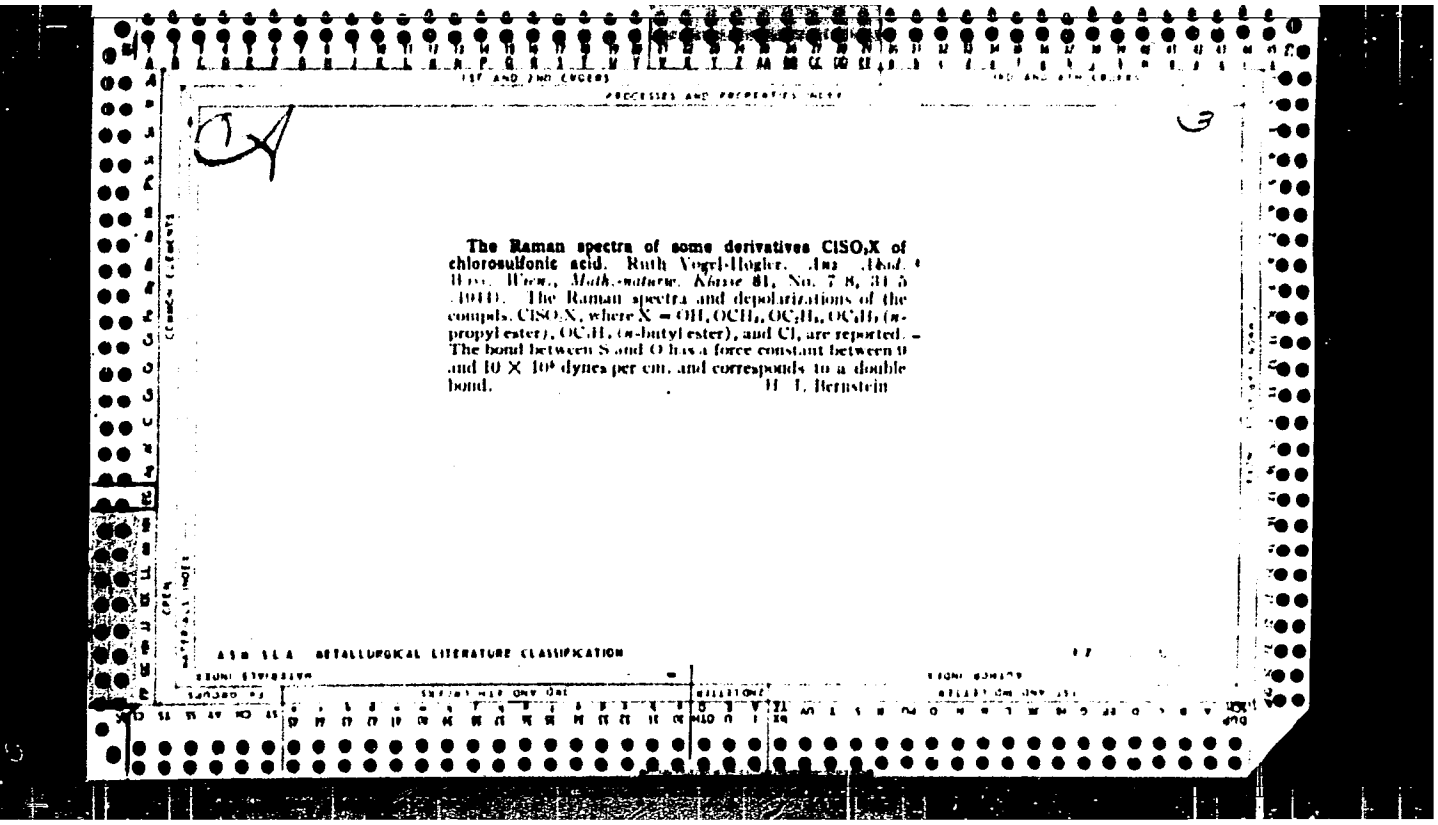
SO: Monthly List of East European Accessions, L.C. Vol. 2 No. 7, July 1953, Uncl.

"Nature and its protection in Bulgaria.", p. 3, (OCHRANA PRIRODY, Vol. 3, #1, Mar. 1953, Czechoslovakia)

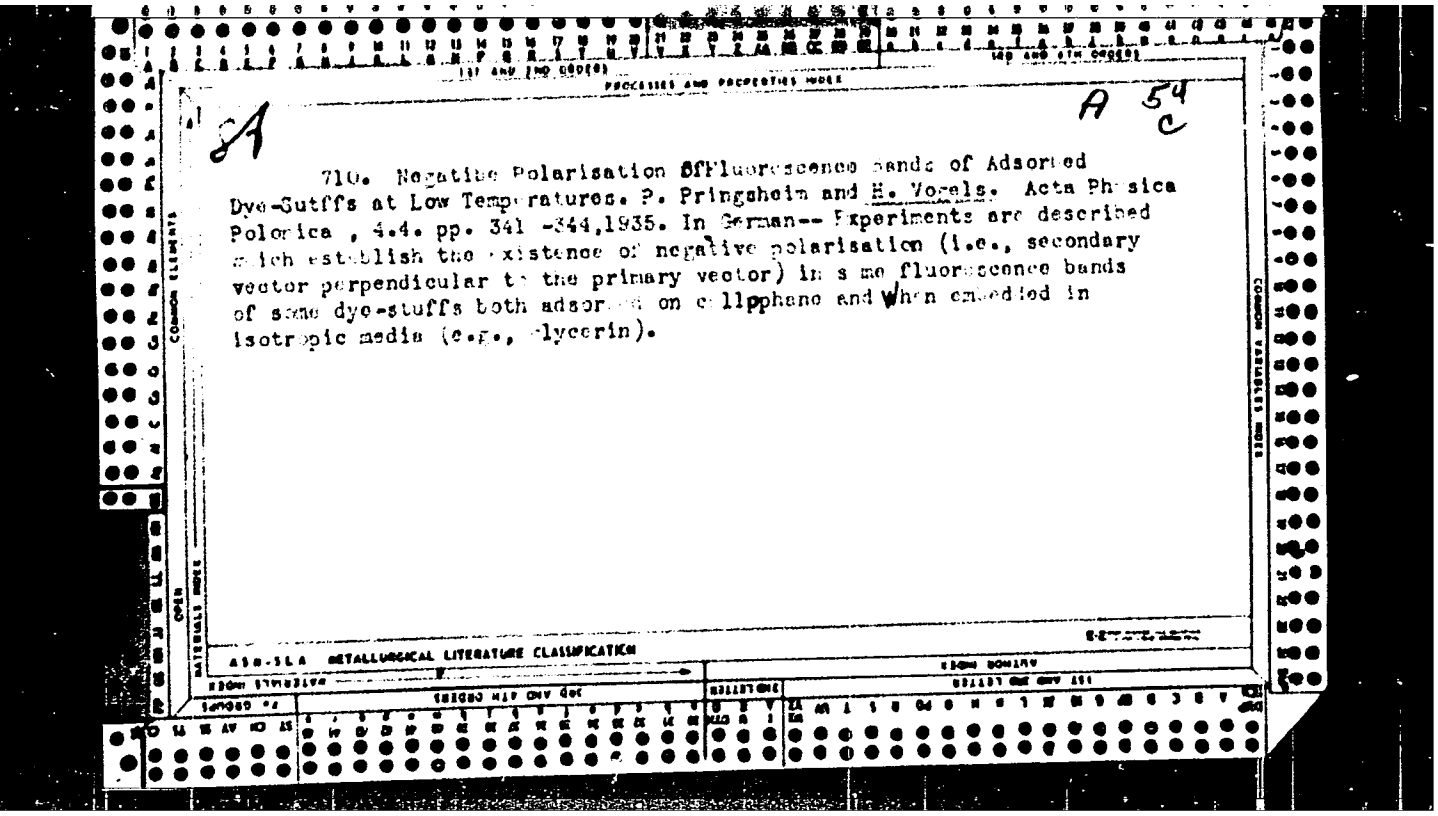
SO: Monthly List of East European Accessions, Vol. 2, #3, Library of Congress, August 1953, Uncl.



Combined distillation and evaporation apparatus, particularly for fermented molasses. Wilhelm Vogelbusch. Austrian 140,840, Feb. 25, 1935 (Cl. 6f): Addn. to 127,706 (*C. A.* 26, 4410).



The Raman spectra of some derivatives $ClSO_2X$ of chlorosulfonic acid. Ruth Vogel-Hogler. *Anz. Akad. Wiss. Wien., Math.-naturw. Klasse* 81, No. 7-8, 31-5 (1944). The Raman spectra and depolarizations of the compds. $ClSO_2X$, where X = OH, OCH_3, OC_2H_5, OC_3H_7 (*n*-propyl ester), OC_4H_9 (*n*-butyl ester), and Cl, are reported. – The bond between S and O has a force constant between 9 and 10×10^5 dynes per cm. and corresponds to a double bond. H. L. Bernstein



A

A 54
C

710. Negative Polarisation of Fluorescence bands of Adsorbed Dye-Stuffs at Low Temperatures. P. Pringsheim and H. Vogels. Acta Physica Polonica , 4.4. pp. 341 -344,1935. In German-- Experiments are described which establish the existence of negative polarisation (i.e., secondary vector perpendicular to the primary vector) in some fluorescence bands of some dye-stuffs both adsorbed on cellophane and when embedded in isotropic media (e.g., glycerin).

VOGELTANZ, E.

The Brewery Museum in Plzen. Kvasny prum 9 no.9:222 S '63.

1. Plzenske pivovary, n.p., Plzen.

VOGGENHUBER, R.

Problems of Austrian Aluminium Economics. [illegible]
Luber (Metall), 1956, 7, [illegible]

VOGINOV, S., inzh.

Mechanized swine-fattening farm for 2400 head. Sel'. stroi no.12:4-5 D '62. (MIRA 16:1)

(Bryansk Province—Swine houses and equipment)

VOGINOV, S.

Economize everywhere and in everything. Sel'. stroi. 13 no.4:5-7 Ap '59. (MIRA 12:6)

1.Zamestitel' nachal'nika Bryanskogo oblastnogo upravleniya sel'skogo khozyaystva.
(Bryansk Province--Farm buildings)

VOGINOV, S.

Year dedicated to new work methods. Sel'.stroi. 13 no.3:14-15 Mr '59. (MIRA 12:5)

1. Zamestitel' nachal'nika Bryanskogo oblastnogo upravleniya sel'skogo khozyaystva.
(Dubrovka District--Building)

VOGINOV, S. [Vohynov, S.], inzh.; LOPUKHIN, M., inzh.; NOVALIKHIN, G. [Novalykhin, H.], inzh.

Installing water-supply systems on farms without using metal pipes. Sil'.bud. 9 no.10:10-14 O '59. (MIRA 13:3)

1. Upravleniye stroitel'stva Bryanskogo oblastnogo upravleniya sel'skogo khozyaystva RSFSR.
(Bryansk Province--Water supply, Rural)

VOGINOV, S.

Improving pipeless water-supply systems. Sel'.stroi. 15 no.6:5-6 Je '60. (MIRA 13:8)

1. Nachal'nik otdela stroitel'stva Bryanskogo oblastnogo upravleniya sel'skogo khozyaystva.
(Bryansk District--Water supply, Rural)

VOGINOV, S.

Feeders with pipeless water supply for cattle. Sel'.stroi. 13 no.11:18-19 N '58. (MIRA 11:12)

1. Zamestitel' nachal'nika Bryanskogo oblastnogo upravleniya sel'skogo khozyaystva.
(Cattle--Watering)

VOGINOV, Semen Mefod'yevich; BALAKIN, V.M., red.; SAYTANIDI, L.D., tekhn.red.

[Automatic watering of cattle without the use of metal pipes] Ustroistvo avtomaticheskogo poeniia dlia skota bez primeneniia metallicheskikh trub. Moskva, Izd-vo M-va sel'.khoz.RSFSR, 1960. 21 p. (MIRA 14:1)
(Cattle--Watering)

VOGL, B.

Journal of [illegible] and Steel Institute
Vol [illegible]
[illegible]

The Styrian Ore Mine--The Deposits and the Present State of the Workings. B. Vogl. (*Glückauf*, 1953, 89, Sept., 937-951). The postwar development of the Styrian iron ore deposits, which include a high degree of mechanization, is discussed in detail.—L. D. H.

VOGL, Ferenc

Complex mechanization and automation in the hosiery industry.
Magy textil 15 no.9:435-439 S '63.

FRANK, Tibor; SZASZ, Marton; MARK, Ferenc; BOSNYAK, Tamas; LUGOSI, Karoly; FEKETE, Istvan; TOMPOS, Karoly; KABDEBO, Kornel; JAVOR, Bela; SCHEFTSIK, Jeno; VOGL, Ferenc; REITER, Gyorgy

Conference on the current tasks of the light industry workers. Munka szemle 5 no.3:5-7 Mr '61.

1. Textilipari Muszaki Tudomanyos Egyesulet Ipargazdasagi Szakosztalya titkara (for Frank). 2. Kispesti Textilgyar munkaugyi osztaly vezetoje (for Mark). 3. Konnyuipari Miniszterium Munkaugyi es Oktatasi Onallo Osztalya vezetoje (for Szasz). 4. Ujpesti Gyapjuszovogyar munkaugyi osztalya vezetoje (for Bosnyak). 5. Kender Juta es Textil Ipar munkaugyi osztaly vezetoje (for Lugosi). 6. Kobanyai Textilgyar munkaugyi osztalya vezetoje (for Fekete). 7. Konnyuipari Miniszterium Pamutipari Igazgatosaga munkaugyi osztaly vezetoje (for Tompos). 8. Magyar Pamutipar munkaugyi osztalya vezetoje (for Kabdebo). 9. Majus 1 Ruhagyar munkaugyi osztalya vezetoje (for Javor). 10. Konnyuipari Miniszterium Len-Kenderipari Igazgatosaga munkaugyi osztalya vezetoje (for Scheftsik). 11. Ruhaipari Tervezo Vallalat (for Vogl). 12. Goldberger Textilmuvek munkaugyi foosztaly vezetoje (for Reiter).

VOGL, Ferenc

Experiences with organizing up-to-date, complex and large belts in the clothing industry. Magy textil 13 no.3:109-110 Mr '61.

1. Ruhaipari Tervezo Vallalat.

NEDOMA, W.; PAV, J.; VOGL, J.

Influence of the grate shape on cinder removal from a pressure-generator model. Paliva 43 no.5:129-133 My '63.

1. Ustav pro vyzkum paliv, Bechovice.

VOGL, J.

Safety first.

P. 151, (Zeleznicar) No. 6, June 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

VOGL, K.

Short-range hydrologic forecasts and their reliability. p. 65. Vol. 60, No. 2 Mar/Apr. 1956. IDOJARAS. Budapest, Hungary.

SOURCE: East European List, (EEAL) library of Congress Vol. 6, No. 1 January 1956.

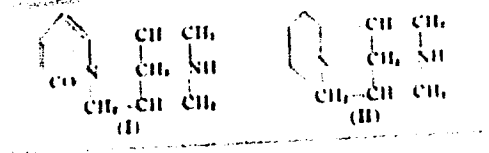
VOGL, M.

See: FOLDVARI-VOGL, Marie

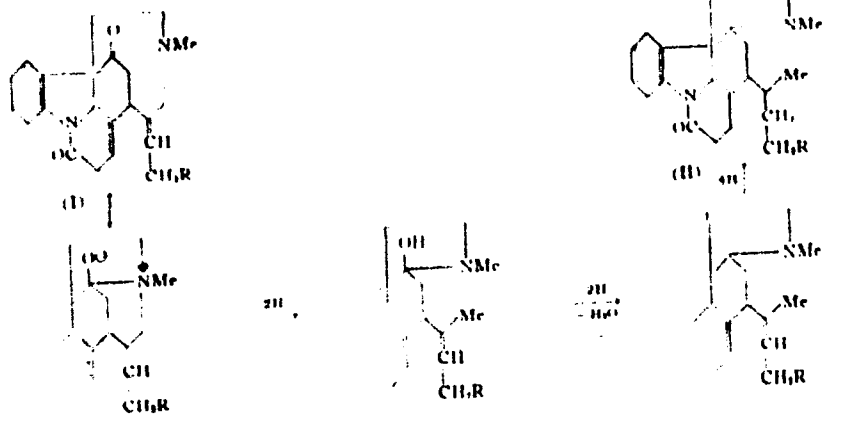
CA

Organic Chemistry 10

Synthesis of tetrahydrodeoxycytidine. F. Cramer, O. Vogl, and W. Meyer (Univ. Vienna). *Monatsh.* 83. (



(I) (II)



over

242 8(1952) -- The structure of cytisine (I) was proved by synthesis of the closely related tetrahydrodeoxycytisine (II). 1,3-Dicarbethoxy-4H-quinolizin-4-one, m. 132-3° (from alc.) [prepd. in 60% yield from Et 2-pyridine acetate and EtOCH:C(CO$_2$Et)$_2$] (5.00 g.), in 35 ml. dioxane and 180 ml. alc. hydrogenated 22 hrs. at 20° and 750 mm. with 0.93 g. PtO$_2$ in 30 ml. alc. gave a colorless soln. from which was isolated a viscous oily mixt. (III) of stereoisomeric 1,3-dicarbethoxyoctahydro-1H-quinolizin-4-one, partly crystg. on standing. Trituration with Et$_2$O and petr. ether and recrystn. from Et$_2$O gave I racemate, m. 80-1°. Crude III (10.04 g.) in 250 ml. Et$_2$O, added dropwise to 5 g. LiAlH$_4$ in 200 ml. Et$_2$O and refluxed 3 hrs., yielded 6.3 g. (93%) octahydro-1,3-bis(hydroxymethyl)-1H-quinolizine (IV), b$_{0.1}$ 166-76°. IV with Na chloroaurate gave a salt, m. 157-9°. By heating 4.7 g. IV and 100 ml. aq. HBr, satd. at 0°, in a sealed tube 10 hrs. on the steam bath, followed by evapn. in vacuo, the oily octahydro-1,3-bis(bromomethyl)quinolizine-HBr (V) was isolated. The free di-Br compd. from V, b$_{0.1}$ 145-50°, could be obtained as a colorless oil but resinified on standing. Crude V in 100 ml. abs. alc. satd. at 0° with dry NH$_3$, heated 4 hrs. on the steam bath in a sealed tube, the product extensively concd. in vacuo, acidified with HCl, the soln. evapd. to dryness, the residue, treated with KOH, steam-distd., and the distillate acidified and concd. gave an HCl salt which yielded 1.00 g. (38% based on IV) of a basic oily mixt., b$_{0.1}$ 125-35°, of the 2 racemates of II. 1.50 g. of the mixt. in 100 ml. alc. with 4.00 g. picric acid in 100 ml. alc. immediately pptd. an oily picrate, and further heating gave a single racemic II picrate (VI), m. in vacuo 227-9° (decompn.) (from alc.-H$_2$O), which depressed the m.p. (231-2°) of the picrate of II derived from natural I. VI (2.0 g.) decompd. with the calcd. amt. of 2 N HCl and the free base extd. and distd. twice, gave 0.660 g. of I racemate of II, which, treated with 0.630 g. d-tartaric acid in 10 ml. MeOH and seeded with natural II d-tartrate deposited in the course of several hrs. 180 mg. of (+)-II d-tartrate, m. 223-5° (decompn.) (from MeOH), identical with the natural II d-tartrate, as shown by mixed m.p. and [α]$_D^{25}$ 27.9° (in H$_2$O). Free synthetic (+)-II (94 mg.) was prepd. from 180 mg. synthetic d-tartrate and proved by the following to be the same as the II derived from natural I: [α]$_D^{25}$ 26.0° (abs. alc.); dipicrate, m. 230-2° (decompn.) (from alc.-H$_2$O); dipicrolonate, m. 239-40° (decompn.) (from alc.-H$_2$O); N-Ac deriv., b$_{0.1}$ 130-40°, m. 70-1° (from abs. alc.).

Marie Mercury Roth

VOGL, O.

CH

The structure of laburnine. F. Galinovsky, O. Vogl, and H. Nesvadba (Univ. Vienna). *Monatsh.* 85, [illegible] (1954).—To confirm the previously proposed (*C.A.* 44, 1484*b*) structure of laburnine (I) as 1-hydroxymethylpyrrolizidine, it is converted by 2 methods into [illegible] heliotridane (II). First, the *p*-[illegible]sulfonate of I was prepd. by allowing 0.5 g. I in 2 [illegible] C_5H_5N [illegible] stand overnight at 0° with half of a soln. of [illegible] g. *p*-[illegible] in 3.7 ml. dry C_5H_5N, and to stand 48 addnl. hrs. at room temp. with the remainder, distg. off the C_5H_5N *in vacuo*, acidifying the aq. soln. of the residue with [illegible] HCl, extg. with ether, making the aq. layer alk., drying its concd. ether ext. over Na_2SO_4, adding 60 ml. abs. ether and refluxing the soln. 7 hrs. with 0.25 g. $LiAlH_4$ (Karrer, *et al.*, *C.A.* 46, 6591*d*) to give, after the usual decompn. and purification, 50–60% II, b_{11} 65–75° (air bath temp.); $[\alpha]_D^{25}$ 17.1° (*c* 5.2, EtOH); picrate, m. and mixed m.p. 234–5° (decompn.); picrolonate, m. and mixed m.p. 164–5° (decompn.). Second, 0.27 g. I treated at 0° with 20 ml. satd. aq. HBr was heated 6 hrs. at 100° in a sealed tube, the solvent distd. off *in vacuo*, and the residual 1-bromomethylpyrrolizidine-HBr hydrogenated over PtO_2 in aq. soln. made weakly alk. with NH_3 to give from the ether ext. after 6 hrs. II, identical to the preceding. A similar procedure changed lupinine through its *p*-toluenesulfonate into lupinane, b_{11} 80–5° (air bath temp.), $[\alpha]_D^{25}$ −8.8° (*c* 8.06, MeOH) (Karrer and Vogt, *C.A.* 25, 990); picrate, m. 185–6°; picrolonate, m. 236–7° (decompn.). A previous prepn. (G., *et al.*, *loc. cit.*) of pyrrolizidine involved the oxidation of I to laburnic acid (III), and its immediate decarboxylation without isolation. The oxidation of I is here repeated to give almost 100% crude III, purified by sublimation *in vacuo* and recrystn. from EtOH-Et_2O to give III.H_2O, m. [illegible] 44 [illegible] picrate, m. [illegible] Menschikov [illegible] 41 [illegible] known [illegible] confirmation of the relationship between I and II establishes not only the structure of I but also its configuration as having the CH_2OH group [illegible] the [illegible] of the methine group. Leonard and Felley [illegible] 44 [illegible]

H. S. French

(2)

S/035/62/000/011/035/079
A001/A101

AUTHOR: Vogl, W.

TITLE: Geodetic instruments at the technical fair at Leipzig

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 3, abstract 11G21 ("Bergakademie", 1962, v. 14, no. 6, 465, German)

TEXT: The author notes that in addition to instruments manufactured by the enterprises of the German Democratic Republic, the Leipzig 1962 fair (see RZhAstr, 1962, 10G230) showed also instruments of the Hungarian optical enterprise MOM (1" theodolite Te-B1, small optical theodolite Te-E4, universal theodolite Te-C1, level instrument Ni-B3, and plane table set MA) and Soviet instruments (small optical theodolite TOM and theodolite with verniers).

V. M.

[Abstracter's note: Complete translation]

Card 1/1

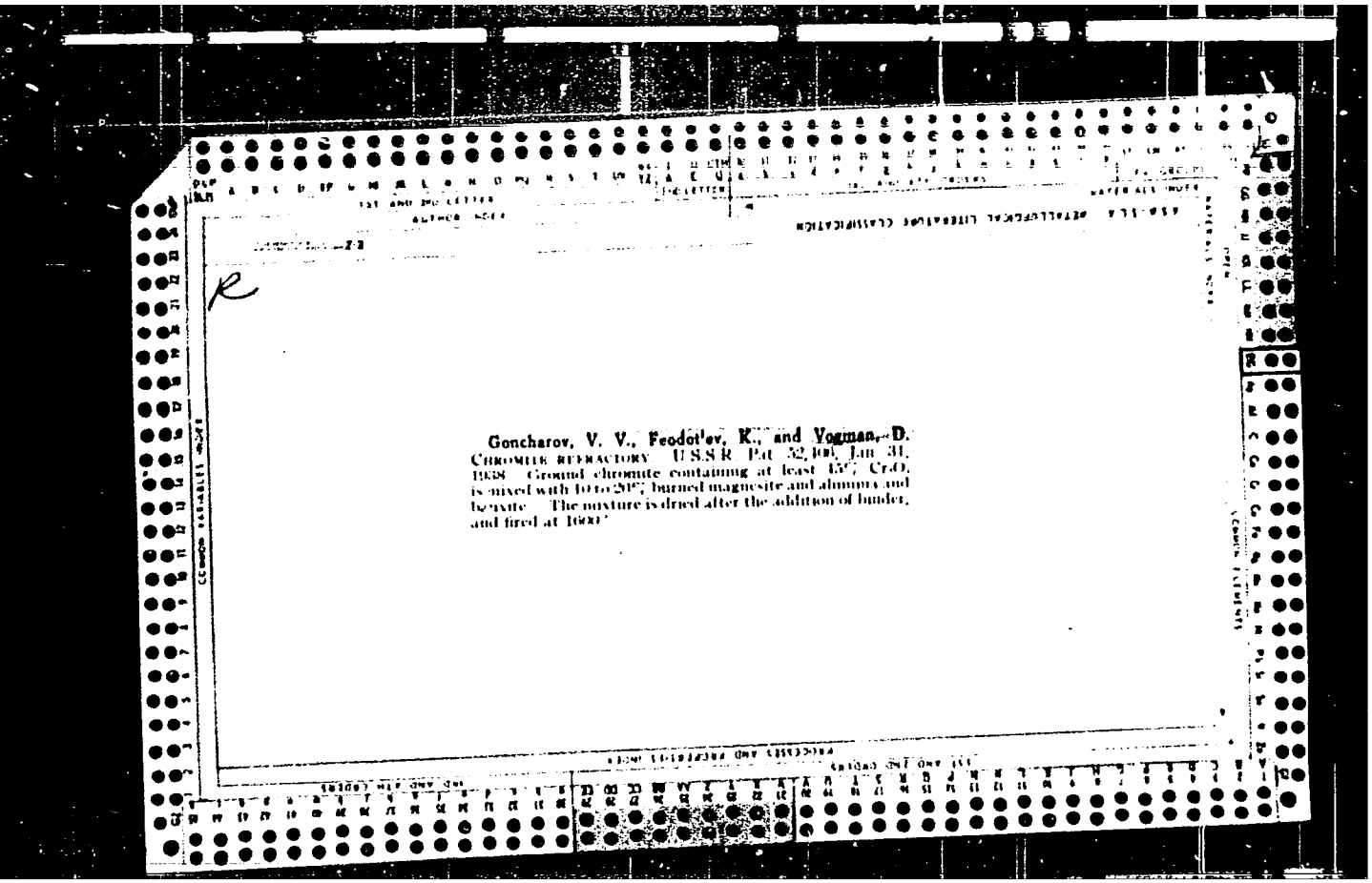
VOGLAR, K.,
G. ZIGEUNER, Monatsh. 82, 847-55 (1951)

VOGLER, Valter

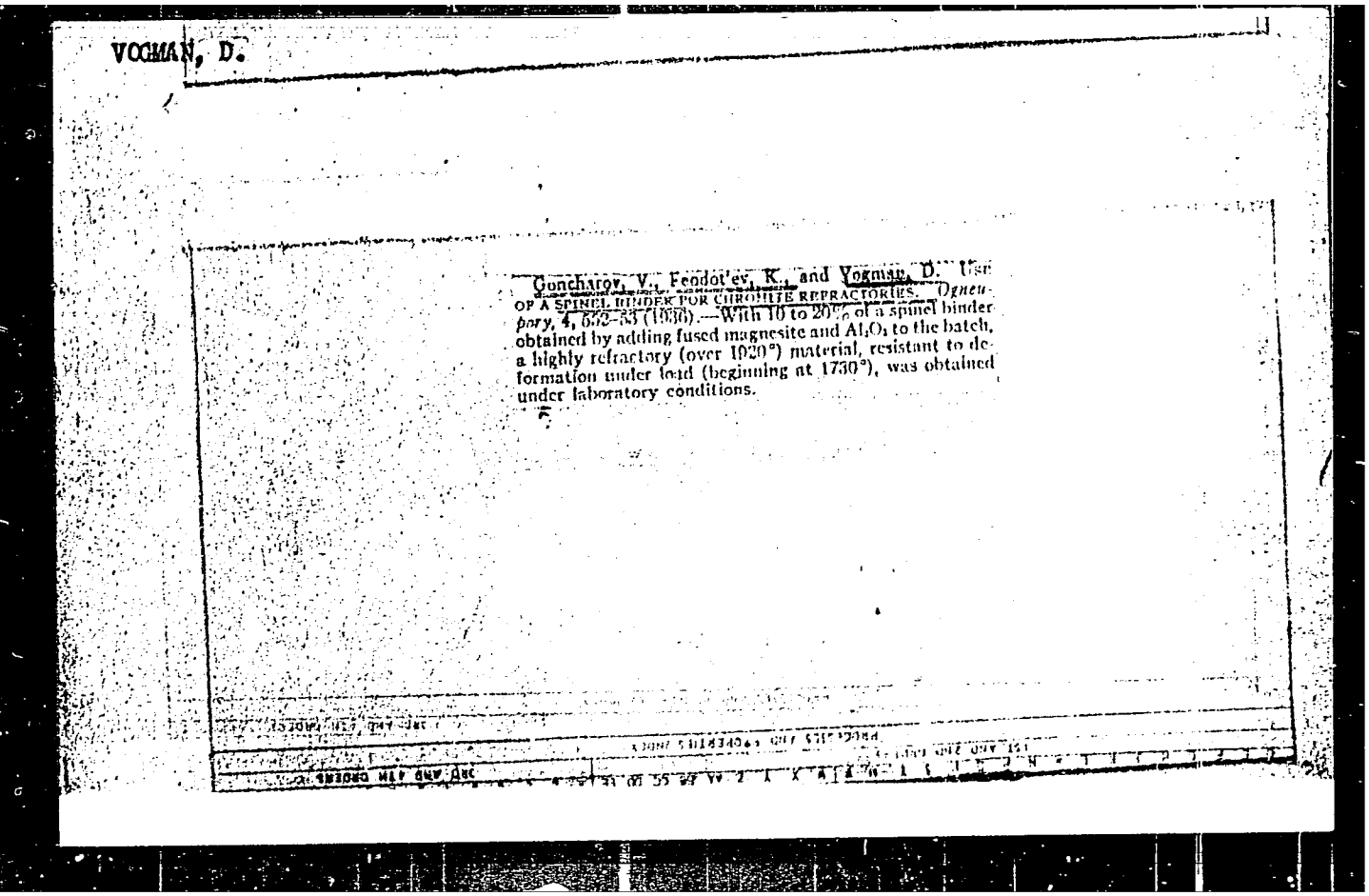
The twelve-channel system Z 12 F. PTT zbor 16 no.1/2:41-42 F '62.

VOGMAN, D.,
V. GONCHAROV, Огнеупоры 4, 552-3 (1936)

Goncharov, V., Feodot'ev, K., and Vogman, D. Us... OF A SPINEL BINDER FOR CHROMITE REFRACTORIES. *Ogneupory*, 4, 552-54 (1936).—With 10 to 20% of a spinel binder obtained by adding fused magnesite and Al_2O_3 to the batch, a highly refractory (over 1020°) material, resistant to deformation under load (beginning at 1730°), was obtained under laboratory conditions.



Goncharov, V. V., Feodot'ev, K., and Vogman, D.
CHROMITE REFRACTORY. U.S.S.R. Pat. 32,101, Jan. 31, 1933. Ground chromite containing at least 45% Cr_2O_3 is mixed with 10 to 20% burned magnesite and alumina and bevaite. The mixture is dried after the addition of binder, and fired at 1600°.



VOGMAN, D.

Goncharov, V., Feodot'ev, K., and Vogman, D. Use of a spinel binder for chromite refractories. *Ogneupory*, 4, 552–53 (1936).—With 10 to 20% of a spinel binder obtained by adding fused magnesite and Al_2O_3 to the batch, a highly refractory (over 1920°) material, resistant to deformation under load (beginning at 1730°), was obtained under laboratory conditions.

VOGMAN, D.,
V. GONCHAROV, Ogneupory 4, 552-53 (1936)

BOLDYREV, G.P.; VOGMAN, D.A.; NOVOKHATSKIY, I.P.; VERK, D.L.; DYUGAYEV, I.V.; KAVUN, V.M.; KURENKO, A.A.; UZBEKOV, M.R.; ARSEN'YEV, S.Ya.; YEGORKIN, A.N.; KORSAKOV, P.F.; KUZ'MIN, V.N.; STRELETS, B.A.; PATKOVSKIY, A.B.; BOLESLAVSKAYA, B.M.; INDENBOM, D.B.; FINKEL'SHTEYN, A.S.; SHAPIRO, I.S.; LAPIN, L.Yu.. Prinimali uchastiye: NEVSKAYA, G.I.; FEDOSEYEV, V.A.; KASPILOVSKIY, Ya.B., ZERNOVA, K.V.. BARDIN, I.P., akademik, otv.red.; SATPAYEV, K.I., akademik, nauchnyy red.; STRUMILIN, akademik, nauchnyy red.; ANTIPOV, M.I., nauchnyy red.; BELYANCHIKOV, K.P., nauchnyy red.; YEROFEYEV, B.N., nauchnyy red.; KALGANOV, M.I., nauchnyy red.; SAMARIN, A.M., nauchnyy red.; SLEDZYUK, P.Ye., nauchnyy red.; KHLEBNIKOV, V.B., nauchnyy red.; STREYS, N.A., nauchnyy red.; BANKVITSER, A.L., red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Iron ore deposits in central Kazakhstan and ways for their utilization] Zhelezorudnye mestorozhdeniia TSentral'nogo Kazakhstana i puti ikh ispol'zovaniia. Otvetstvennyi red. I.P.Bardin. Moskva, 1960. 556 p. (MIRA 13:4)

1. Akademiya nauk SSSR. Mezhduvedomstvennaya postoyannaya komissiya po zhelezu. 2. Gosudarstvennyy institut po proyektirovaniyu gornykh predpriyatiy zhelezorudnoy i margantsevoy promyshlennosti i promyshlennosti nemetallicheskikh iskopayemykh (Giproruda) (for Boldyrev, Vogman, Arsen'yev, Yegorkin, Korsakov, Kuz'min, Strelets,

(Continued on next card)

BOLDYREV, G.P.--(continued). Card 2.
3. Institut geologicheskikh nauk AN Kazakhskoy SSR (for Novokhatskiy). 4. TSentral'no-Kazakhstanskoye geologicheskoye upravleniye Ministerstva geologii i okhrany nedr SSSR (for Verk, Dyugayev, Kavun, Kurenko, Uzbekov). 5. Nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (Mikhanobr) (for Patkovskiy). 6. Gosudarstvennyy institut proyektirovaniya metallurg.zavodov (Gipromez) (for Boleslavskaya, Indenbom, Finkel'shteyn, Nevskaya, Fedoseyev, Karpilovskiy). 7. Mezhduvedomstvennaya postoyannaya komissiya po zheleza AN SSSR (for Shapiro, Zernova, Kalganov). 8. Gosplan SSSR (for Lapin).
(Kazakhstan--Iron ores)

VOGMAN, D.,
GONCHAROV, V.V., (No Journal)

VOGMAN, D.A.

POSPELOV, G.L., starshiy nauchnyy sotrudnik; LAPIN, S.S.; BELOUS, N.Kh.; KLYAROVSKIY, V.M.; KINE, O.G.; VAKHRUSHEV, V.A.; SHAPIRO, I.S., starshiy nauchnyy sotrudnik; KALUGIN, A.S.; MUKHIN, A.S.; GARNETS, N.A.; SPEYT, Yu.A.; SELIVESTROVA, M.I.; RUTKEVICH, V.G.; BYKOV, G.P.; NIKONOV, N.I.; SAKOVICH, K.G.; MEDVEDKOV, V.I.; ALADYSHKIN, A.S.; PAN, F.Ya.; RUSANOV, M.G.; YAZBUTIS, E.A.; ROZHDESTVENSKIY, Yu.V.; SAVITSKIY, G.Ye.; PRODANCHUK, A.D.; LYSENKO, P.A.; LEBEDEV, T.I.; KAMENSKAYA, T.Ya.; MASLENNIKOV, A.I.; PIPAR, R.; DODIN, A.L.; MITROPOL'SKIY, A.S.; LUKIN, V.A.; ZIMIN, S.S.; KOREL', V.G.; DERBIKOV, I.V.; BARDIN, I.P., akademik, nauchnyy red.; GORBACHEV, T.F., nauchnyy red.; YEROFEYEV, N.A., nauchnyy red.; NEKRASOV, N.N., nauchnyy red.; SKOBNIKOV, M.L., nauchnyy red.; SMIRNOV-VERIN, S.S., nauchnyy red. [deceased]; STRUMILIN, S.G., akademik, nauchnyy red.; KHLEBNIKOV, V.B., nauchnyy red.; CHINAKAL, N.A., nauchnyy red.; SLADZYUK, P.Ye., red.toma; SOKOLOV, G.A., red.toma; BOLDYREV, G.P., red.; VOGMAN, D.A., red.; KASATKIN, P.F., red.; KUDASHEVA, I.G., red.izd-va; KUZ'MIN, I.F., tekhn.red.

[Iron-ore deposits of the Altai-Sayan region] Zhelezorudnye mestorozhdeniia Altae-Saianskoi gornoi oblasti. Vol.1. Book 1. [Geology]

(Continued on next card)

POSPELOV, G.L.---(Continued) Card 2.
Geologiia. Otvetstvennyi red. I.P. Bardin. Moskva. 1958. 330 p.
(MIRA 12:2)

1. Akademiya nauk SSSR. Mezhduvedomstvennaya postoyannaya komissiya po zhelezu. 2. Postoyannaya mezhduvedomstvennaya komissiya po zhelezu Akademii nauk SSSR (for Pospelov, Shapiro, Sokolov). 3. Zapadno-Sibirskiy filial Akademii nauk SSSR (for Vakhrushev, Pospelov.) 4. Zapadno-Sibirskoye geologicheskoye upravleniye (for Sakovich). 5. Krasnoyarskoye geologicheskoye upravleniye (for Pan). 6. Zapadno-Sibirskiy geologo-razvedochnyy trest Chermetrazvedka (for Prodanchuk). 7. Sibirskiy geofizicheskiy trest (for Pipar). 8. Vsesoyuznyy geologicheskiy nauchno-issledovatel'skiy institut (for Dodin). 9. Gornaya ekspeditsiya (for Mitropol'skiy). 10. Gornoye upravleniye Kuznetskogo metallurg.kombinata (for Lukin). 11. Tomskiy politekhnicheskiy institut (for Zimin). 12. Sibirskiy metallurg.institut (for Korel'). 13. Trest Sibneftegeofizika (for Derbikov). (Altai Mountains--Iron ores) (Sayan Mountains--Iron ores)

POZIN, Yu.M.; VOGMAN, M.Sh.; GAMASKIN, Ye.I.; BONDARENKO, O.I.

Preparing an electrode ribbon from cadmium oxide by rolling powder composition materials between rolls. Porosh. met. 5 no.8:103-107 Ag '65. (MIRA 18:9)

1. Nauchno-issledovatel'skiy akkumulyatornyy institut.

L 1702-66 EWT(d)/EWP(e)/EWT(m)/EPF(c)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(z)/EWP(b)/EWP(1) IJP(c) JD/HW

ACCESSION NR: AF5020777 UR/0226/65/000/008/0103/0107

AUTHOR: Pozin, Yu. M.; Vogman, M. Sh.; Gamaskin, Ye. I.; Bondarenko, O. I.

TITLE: Producing an electrode strip from cadmium oxide by rolling powder compositions in rollers

SOURCE: Poroshkovaya metallurgiya, no. 8, 1965, 103-107

TOPIC TAGS: electrode, rolling mill, cadmium oxide, nickel compound, powder metallurgy

ABSTRACT: The general method for preparing the powder composition is as follows: cadmium oxide is mixed successively with solar oil and with a solution of nickel sulfate and is then passed through a 0.5x0.5 mm sieve and mixed with an aqueous solution of polyvinyl alcohol and then passed again through the same sieve. The finished electrode has dimensions of 35x70x1.9±0.2 mm, a weight of 15.0±0.5 grams, a porosity of 30%, and contains 1.9-2.1 grams cadmium/cm^3. The present article considers methods of producing continuous electrode strips with better characteristics (thinner with a higher volumetric cadmium content, that is, more dense). The rolling unit did not differ from the standard type. To

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ACCESSION NR: AP5020777

increase the friability of the composition, the cadmium oxide, before mixing with the other components, was rolled on rollers with a diameter of 60 mm, ground in a ball mill, and then passed through a 5x5 mm sieve. 10-20% of an aqueous solution of sodium-carboxy methyl cellulose was introduced into the composition, which was then dried to a residual moisture content of 3.0%. It is established that additions of nickel hydroxide and sodium-carboxymethyl cellulose improve the pressability of the composition. The strip can be obtained with different thicknesses and densities. The article also considers various mechanical methods for rolling and for cutting the strip into individual electrodes. Orig. art. has: 3 figures and 2 tables

ASSOCIATION: Nauchno-issledovatel'skii akkumulyatornyi institut (Scientific Research Institute for Accumulators)

SUBMITTED: 06Aug64 ENCL: 00 SUB CODE: MM

NR REF SOV: 003 OTHER: 000

Card 2/2

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Source: Brno, Vnitrni Lekarstvi, Vol VII, No 8, August 1961, pp 841-848

Data: "Hepatic Changes in Obesity"

Authors:

POJER, J
MISTIK, C
DRAZILOVA, V
VOGNAREK, J, Technical collaborator

/24

DOLEZAL, Bohuslav, MVDr., C.Sc.; VOGNAROVA, Irena, inz.

Comparison of natural and artificial casings for meat products.
Prum potravin 13 no.12:628-630 D '62.

1. Vyzkumny ustav pro maso, Brno.

DVORAK, Zdenek; VOGNAROVA, Irena

Effect of the Maillard reaction and smoking on the biologic properties of meat and meat products. Prum potravin 16 no.4: 172-176 Ap '65.

1. Research Institute of Meat, Brno. Submitted September 30, 1964.

VOGNIC, Hubert

Automatic control and recording of mold heating in thermoset pressing.
Energetika Cz 12 no.9:478-479 S '62.

1. Lisovny novych hmot, n.p., Vrbno pod Pradedem.

VANECHEK, VOGNOUT, S.

VANECHEK, Yu.; KYUKHEL', O.; VOGNOUT, S.; REGLING, S.

Control of completeness of isolation of organs in situ using tagged atoms; so-called humoral isolation of the vascular system. Farm. i toks. 19 no.5:44-50 S-O '56. (MLRA 10:3)

1. Kafedra farmakologii (zav. - dotsent Ye.Rashkova) pediatricheskogo fakul'teta Karlova universiteta v Prage, III klinika po vnutrennim zabolevaniyam (zav. - akademik Kharvat) meditsinskogo fakul'teta Karlova universiteta v Prage i Endokrinologicheskiy institut v Prage (zav. - dotsent Shilink)

(PERFUSION,
radio-isotope labeled substances in control of completeness of isolation of perfused organs in situ (Rus))

(ISOTOPES,
same)

VOGRADSKIY, F.; SAFAR-ALIYEVA, I. [translator]

Prevention of infectious atrophic rhinitis in swine. Veterinariia (MIRA 18:3)
41 no.5:112-113 My '64.

VOGRALID, V. G.

20086 VOGRALID, V. G. O vzaimootnoshenin mekhau bronkhial'noy astmoy i gipertonicheskoy boleznyu. Vracheb. delo, 1949, No. 6, stv. 521-24.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

VOGRALIK, M.V.

Oxygen tension and conditions of the blood supply in transplanted tumors. Vop. onk. 11 no.3:73-77 '65. (MIRA 18:6)

1. Iz kafedry patofiziologii (zav. - dotsent V.Ya. Batunina) Gor'kovskogo meditsinskogo instituta imeni Kirova (rektor - dotsent I.F. Matyushin).

VOGRALIK, M.V., student VI kursa

Vascular crisis in hypertension. Terap.arkh. 30 no.9:52-56 S'58 (MIRA 11:10)

1. Iz gospital'noy terapevticheskoy kliniki (zav. - prof. V.G. Vogralik) Gor'kovskogo meditsinskogo instituta.
(HYPERTENSION, compl.
vasc. crisis (Rus))

VOGRALIK, M.V., aspirant

Change in skin sensitivity and peripheral vegetative reactivity in acupuncture. Uch. zap. GMI no.8:13-18 '59. (MIRA 14:9)

1. Iz kafedry patofiziologii (ispolnyayushchiy obyazannosti zaveduyushchego kafedroy - dotsent V.Ya. Batunina) i gospital'noy terapevticheskoy kliniki (zav. - prof. V.G.Vogralik).
(ACUPUNCTURE) (NERVES, PERIPHERAL)

VOGRALIK, M.V.

Technique of double stimulation in electroencephalography as a method to evaluate the reactivity of the central nervous system in man. Terap. arkh. 35 no.1:78-83 Ja '63. (MIRA 16:9)

1. Iz kafedry patofiziologii (zav. - dotsent V.Ya. Batunina) i kafedry gospital'noy terapii (zav. - prof. V.G.Vogralik) Gor'kovskogo meditsinskogo instituta imeni S.M.Kirova.
(ELECTROENCEPHALOGRAPHY) (BRAIN)

VOGRALIK, M.V.

Materials on a further study of the dynamics of the bioelectric activity of the brain in local stimulation of the receptors and nerves of the body integuments (dynamics of the rhythm adaptation). Sbor. trud. GMI no.9:29-35 '62. (MIRA 17:2)

1. Iz kafedry patologicheskoy fiziologii (zav. - dotsent V.Ya. Batunina) i gospital'noy terapevticheskoy kliniki (zav. - V.G. Vogralik) Gor'kovskogo meditsinskogo instituta imeni S.M. Kirova.

VOGRALIK, M.V. (Gor'kiy)

Clinical use of sulfanilamide preparations for the treatment of diabetes mellitus. Klin.med. 36 no.10 87-95 O '58 (MIRA 11:11)

1. Iz kafedry gospital'noy terapii (zav. - prof. V.G. Vogralik) Gor'kovskogo meditsinskogo instituta imeni S.M. Kirova.
(ANTDIABETICS, ther. use
carbutamide & tolbutamide (Rus))