"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

L 64555-65 EWT(m)/EPF(c)/EWP(j)/T RM

ACCESSION NR: AP5020969 UR/0190/65/007/008/1400/1405

541.64+66.095.26+678.84

AUTHOR: Gusel'nikov, L. Ye.; Yegorov, Yu. P.; Nametkin, N. S.; Polak, L. S. Chernysheva, T. I.

TITLE: Synthesis and polymerization of certain polyfunctional vinylsiloxanes

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 8, 1965, 1400-1405

TOPIC TAGS: vinylsiloxane, polymerization, cyclopolymerization, organic synthetic process

ABSTRACT: The possibility of obtaining linear high molecular weight polymers by polymerizing polyfunctional vinylsiloxanes was investigated. Tetra- and hexafunctional monomers were synthesized by hydrolysis of the appropriate vinylchlor(ethoxy)silane and cohydrolysis of mono-and di-functional vinylethoxysilanes. 1,3-Divinyl-1,1,3,3-tetramethyldisiloxane, 1,3-divinyl-1,3-dimethyl-1,3-diphenyldisiloxane and 1,3,5-trivinyl-1,1,3,5,5-pentamethyltrisiloxane were synthesized and then subjected to polymerization initiated by γ-irradiation or by tertiary butyl peroxide. The polymers produced by either method were essentially the same. Soluble high molecular weight polymers were produced, but the

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polymerization yield was reduced as functionality of the monomer increased. IR spectra of the monomers and polymers and the decrease in residual unsaturation led to the conclusion that cyclopolymerization took place in addition to polymerization at one vinyl group of the monomer. Orig. art. has: 3 figures, 1 table, and 2 equations

ASSOCIATION: Institut neftekhimicheskogo sinteza AN SSSR (Institute of Petrochemical Synthesis, AN SSSR)

44,55

SUBMITTED: 17Sep64 ENCL: 00 SUB CODE: OC, GC

NR REF SOV: 004 OTHER: 013

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

PAUSHKIN, Ya.M.; POLAK, L.S.; LUNIN, A.F.; PATALAKH, I.I.

New method of synthesizing nitrogen-containing polymers with conjugate bonds and their electrophysical properties. Dokl. AN SSSR 164 no.5:1065-1068 O '65. (MIRA 18:10)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M.Gubkina i Institut neftekhimicheskogo sinteza im. A.V. Topchiyeva AN SSSR. Submitted March 18, 1965.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

L 30169-66 EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6020617 SOURCE CODE: CZ/0042/65/000/009/0559/0560

AUTHOR: Hlasnik, I.; Krempasky, L'.; Polak, M.

ORG: none

74
B

TITLE: Superconducting magnet of the Electrical Engineering Institute, Slovak Academy of Sciences

SOURCE: Elektrotechnicky casopis, no. 9, 1965, 559-560

TOPIC TAGS: magnet, annealing, magnetic field, superconducting alloy, superconductivity

ABSTRACT: The article describes a newly developed superconducting magnet, the SM-1, of 50% Nb and 50% Zn, annealed two hours at 525°C, for use in investigating the behavior of superconductors in a magnetic field. The method and results of measurements are given, as well as the magnetization characteristic of the magnet. The authors thank M. Bir for help in the development of the magnet and for preparing the measurements. [JPRS]

SUB CODE: 09, 20 / SUBM DATE: none

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

FURDIK, M.; POLAK, M.

On phthalides and indandiones-(1,3). Pt. 14. Acta r nat Univ Com 7 no.10:577-583 '63.

1. Katedra organickej chemie a biochemie, Univerzita Komenského, Bratislava, Smeralova 2.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, M.

POLAK, M. Improving water and power economy. p. 358.

Vol. 1. No. 12, Dec. 1956.
NOVA TECHNICAL
TECHNOLOGY
Czechoslovakia

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

HLASNIK, Ivan, inz. CSc.; POLAK, Milan, inz.

Temperature dependence of Hall generators and its compensation.
El tech cas 15 no. 6:345-357 '64.

1. Institute of Electrical Engineering, Slovak Academy of Sciences, Bratislava.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

L 26375-65 EWT(1)/EEC(t) Peb IJP(c) EH Z/0042/64/000/006/0345/0357
ACCESSION NR: AP4040762

AUTHOR: Hlasnik, Ivan (Glasnik, I.) (Engineer, Candidate of sciences); Polak, Milan (Engineer)

TITLE: Temperature dependence of Hall generators and its compensation

SOURCE: Elektrotechnicky casopis, no. 6, 1964, 345-357

TOPIC TAGS: Hall generator, temperature dependence, thermal compensation, magnetic field effect, Hall generator parameter, Hall circuit, power supply circuit, InAs Hall generator, loading, temperature independent resistance, proton resonance, temperature error, control circuit

ABSTRACT: The article attempts to analyze the problem of the temperature dependence of Hall generator parameters and the accuracy of various types of thermal compensation and the effect of the magnetic field on it, and also the resulting design method to be used for thermal compensation, as there is no similar study to be found in the literature known to the authors. In the study of the two types of thermal conpensation discussed here, it is assumed that the Hall generator parameters and the compensation elements change linearly with temperature. The temperature dependence of the Hall voltage in the Hall and power supply circuit is also

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analyzed. The two types of thermal compensation discussed result in decreased Hall generator efficiency, decreased efficiency of the compensation in the Hall circuit, and decreased sensitivity when I_1 = constant, where I_1 is the generator feed current. This study, however, does not enter into problems of efficiency, and limits itself to the following types of compensation: 1) compensation in the power supply circuit: a) in the case of measurements made under no load conditions, b) in the case of a loading with temperature independent load resistance R_z; 2) compensation in the secondary (Hall) circuit. In order to verify theoretical conclusions, measurements were made of the temperature dependence of several InAs Hall generators with compensation by the two methods described above. The currents and voltages were measured by the compensation laboratory compensator QLK-fy meters. The magnetic fields were measured with a proton resonance with an accuracy on the order of 10^{-4}. The accuracy of all the measurements was about 0.03%. It is concluded on the basis of the theoretical analysis and the experimental results that in the case of InAs Hall generators with a Hall constant of $4 \cdot 10^{-4}$ m^3/As and a mobility of around $2.2T^{-1}$ it is relatively easy to make such a compensation of temperature dependence, that in the 15 to 60°C temperature range, the temperature error is less than $\pm 0.1\%$. It follows, that in view of the temperature error of these Hall generators, it is possible to use the most exacting measure-

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L 26375-65
ACCESSION NR: AP4040762

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ment and control circuits. The authors express their gratitude to Engineer J. Michalkov for certain measurements and to M. Birov for the preparation of the samples and preparations for measurement. Orig. art. has: 9 diagrams and 18 formulas.

ASSOCIATION: Elektrotechnicky ustav SAV, Bratislava (Electronics and Electrical Engineering Institute, SAV)

SUBMITTED: 03Aug63 ENCL: 00 SUB CODE: EM, TD

NO REF SOV: 002 OTHER: 010

Card 3/3

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23763
S/190/61/003/006/006/019
B110/B216

15.8116 2209

AUTHORS: Lyashenko, I. N., Nametkin, N. S., Polak, N. S., Topchiyev, A. V., Fel'dman, A. S., Chernysheva, T. I.

TITLE: Catalytic and radiation polymerization and copolymerization of allylhydridesilane derivatives

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 3, no. 6, 1961, 833-840

TEXT: Unsaturated polymers with silicon-carbon links of the type $RCH{=}CHSiR_2H$ have lately become of great importance. Using platinized carbon, the authors obtained the polymers: $-SiCH_2CH_2SiCH_2CH_2Si-$ and $-SiCH_2CH_2CH_2SiCH_2CH_2CH_2Si-$. In the present study, diethylallylsilane (I), ethylphenylallylsilane (II), ethyldiallylsilane (III) and triallylsilane (IV) were polymerized at atmospheric pressure catalytically and by the radiation method and copolymerized with acrylonitrile and styrene. Benzoyl peroxide was used as initiator, platinized carbon as catalyst and β and γ rays for irradiation. On heating for 30 min, (IV) polymerized to a white, powdery substance; (III) on heating for 10 hr at 150-200°C with

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the initiator yielded a white, brittle substance; (II) with the initiator yielded a highly viscous liquid and (I) did not polymerize. The polymerizates of (III) and (IV) were insoluble in most organic solvents. The substituents of the alkenylsilane derivatives affect initiated (A) and radiation (B) polymerization in the same way. According to the type of radical linked to the silicon atom, the polymerizates are oily or solid substances. The tendency to polymerize increases with the number of alkyl groups. The degree of conversion increases with the introduction of phenyl groups. Alkyl substituted monoallylsilanes are difficult to polymerize by (A) or (B). Polymerization probably occurs by cleavage of the double bond, since the infrared spectrum showed the absence of double bonds. A clearly defined second component (Fig. 2a) (III) was found by electron paramagnetic resonance. Introduction of a phenyl group in (II) reduced the amount of this second component (Fig. 2б), and introduction of two phenyl groups in the case of diphenylallylsilane led to the disappearance of this component (Fig. 2B). Fig. 2 shows the epr spectrum of dimethylallylsilane, having no hydrogen at the silicon atom. The presence of free radicals in monomers irradiated at -196°C and the similarity of their infrared spectra with those of initiated monomers indicate radical

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polymerization. Copolymerization of (I), (II), and (III) with acrylonitrile was carried out at various component ratios and γ-doses of $10 \cdot 10^6$ r. The copolymerizates obtained (Table 3) are not fusible below 300°C and char at 300°C. The weak or absent double bond band of the acrylonitrile copolymerizates of (III) and (IV), respectively, show that the allyl groups must have reacted in copolymerization to a certain extent in the case of (III) and quantitatively in that of (IV). Doses of $75 \cdot 10^6$ r at a rate of $0.6 \cdot 10^6$ r/hr were applied for radiation copolymerization of diphenylallylsilane, (II), (II) and styrene in varying ratios. Copolymerizate composition does not depend on the initial mixture, the organosilicon component varies between 11 and 17 %. Copolymerizates containing more than 10 % organosilicon components are viscous and elastic, at contents below 10 % they are solid. The copolymerizate of styrene with (IV) in the ratio 1:1 is a hard substance.m.p. 245°C. To 48 g (2 g-at.) of magnesium in dry ether was added a mixture of 121 g (1 mole) of ethyl bromide and 64.5 g (0.5 mole) of ethyldichlorosilane. Yield: 120 g (85 %) of diallylethylsilane b.p. 142-149°C at 756 mm Hg. The other silanes were prepared accordingly. For polymerization, the silane derivatives (1 mole), together with benzoyl peroxide (0.1 mole)

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Catalytic and radiation polymerization... S/190/61/003/006/006/019
B110/B216

were heated to boiling for 10 hr at atmospheric pressure. Polymer molecular weights were determined cryoscopically in benzene (Table 2). The silane derivatives were also heated for 10 hr with 15 % platinized carbon (1 g per mole silane). After 2 hr, the mixture was heated to 250°C. Triallylsilane was converted to a hard brittle powder within 30 min. Radiation polymerization was carried out in molybdenum glass tubes (10 and 20 ml) using a Co^{60} source of capacity 20,000 g-eq. Ra and electron accelerator of 800 kev. The γ-dose rate was $0.63 \cdot 10^6$ r/hr, irradiations being performed at ~100°C for homopolymerization and 20°C for copolymerization. The monomers and polymers were analyzed in a ИКС-14 (IKS-14) spectrometer using NaCl prisms for the 2000-70 cm^{-1} range and LiF prisms for the 2000-2300 cm^{-1} range. Liquid monomers were examined in the undiluted state at a thickness of 0.014 mm. The epr spectra were taken in molybdenum glass tubes of 4 mm thickness at 196°C and -78°C at a dose rate of $15 \cdot 10^6$ r/hr. The authors thank M. P. Teterina for carrying out the spectroscopic analysis. There are 3 figures, 4 tables, and 8 references: 4 Soviet-bloc and 4 non-Soviet-bloc The three references to English-language publications read as follows: Ref. 2: D. G. White, E. G. Rochow, J. Amer. Chem. Soc., 76, 3897, 1954. Ref. 4: Y. M. Curry,

Card 4/13

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

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B110/B216

Catalytic and radiation polymerization...

J. Amer. Chem. Soc., 78, 1686, 1956. Ref. 5: Y. M. Curry, J. Amer. Chem. Soc., 80, 1219, 1958.

ASSOCIATION: Institut neftekhimicheskogo sinteza AN SSSR (Institute of Petrochemical Synthesis, AS USSR)

SUBMITTED: July 22, 1960

Table 1: Properties of allylsilane derivatives. 1) Monomers; 2) b.p., °C; 3) found; 4) calculated; 5) yield, %.

1 Мономеры	2 Т. кип., °C (мм)	n_D^{20}	d_4^{20}	MR_D 3 найдено	MR_D 4 вычислено	5 Выход, %
$(C_3H_5)_2C_6H_5SiH$	126—127	1,4302	0,7536	43,96	43,99	56,4
$C_2H_5C_6H_5C_6H_5SiH$	76—78(3)	1,5124	0,8935	59,21	59,24	50,3
$(C_6H_5)_2C_6H_5SiH$	132—135(2)	1,5762	0,9954	74,49	74,52	62,0
$C_2H_5(C_6H_5)_2SiH$	142—149	1,4503	0,7784	48,53	48,36	85,0
$(C_6H_5)_3SiH$	42—44(2)	1,4682	0,80142	52,96	52,82	65,6

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

CZECHOSLOVAKIA

POLAK, O.; VLADYKA, V.; Psychiatric Research Institute (Vyzkumny Ustav Psychiatricky), Prague, Director (Reditel) Docent Dr L. HANZLICEK; Neurosurgical Clinic, Faculty of General Medicine, Charles University (Neurochirurgicka Klinika Fak. Vseob. Lek.KU), Prague, Head (Prednosta) Prof Dr Z. KUNC.

"Electrographical Measurements of Extrapyramidal Hypokinesia Before and After Stereotactic Thalamotomy."

Prague, Ceskoslovenska Neurologie, Vol 29, No 5, Sep 66, pp 344 - 350

Abstract /Authors' English summary modified/: A method of measurement and assessment of voluntary movements in the elbow joint is described. 15 patients suffering from hemiparkinsonian syndrome showed a slowing of flexion and of extension of the elbow. The degree of hypokinesia varied in the patients and was not related to the slight postural paresis observed. Stereotactic thalamotomy showed little effect on the hypokinesia, but was always successful in eliminating the tremor. 1 figure, 2 Tables, 14 Western, 2 Czech references.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, O.

CZECHOSLOVAKIA/ General Problems of Pathology. Tumors U-4

Abs Jour : Ref Zhur - Biol., No 5, 1958, 23125

Author : Polak, O., Masin, Z.
Inst : -
Title : Osteogenic Sarcoma with Metastasis to the Vertebral Column.

Orig Pub : Vnitrni lekarstvi, 1956, 2, No 8, 713-716

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, Otakar, MUDr.

Experiences with combined penicillin therapy of neurosyphilis.
Cesk. derm. 31 no.5:253-258 Oct 56.

1. Neurologicka klinika v Plzni, prednosta prof. Dr. V. Pitha.
(NEUROSYPHILIS, therapy,
penicillin with other methods (Cz))
(PENICILLIN, therapeutic use,
neurosyphilis, with other methods (Cz))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, O.

PUHA, V.; MASIN, Z.; POLAK, O.

Periodic flexor activity accompanying Babinski paraplegia in flexion of lower extremities problem of spinal so-called postural images in man. Cesk.neur. 20 no.4:254-262 June 57.

1. Neurologicka klinika lekarske fakulty Karlovy university v Plzni, prednosta prof. Dr. V Pitha.

(CENTRAL NERVOUS SYSTEM, physiol.
periodic flexor activity accompanying Babinski paraplegia in flexion of lower extremities (Cz))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

CZECHOSLOVAKIA / Human and Animal Physiology. Nervous System. Electroencephalogram of Man. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102204.

Author : Mensikova, Z.; Polak, O.
Inst : Not given.
Title : The Significance of the Carotid Sign in Electroencephalography.

Orig Pub: Ceskosl. neurol., 1958, 21, No 1, 1-16.

Abstract: Compression of the carotid artery in patients with deep temporo-parietal tumors in the stage of clinical decompensation or with subarachnoid hemorrhages promoted the discovery of the pathologic focus in EEG.

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

2199. REFLECTORY EPILEPSY ACCOMPANIED BY ASSOCIATED POSTURAL MOVEMENTS - Reflexni epilepsie provázená asociovanými posturálními pohyby - Polák O. and Mašín Z. Neurol. Klin., Plzen. - ČSL. NEUROL. 1958, 21/1 (17-24) Illus. 3

Report on a child of 15 months in whom the most varied afferent impulses, including non-nociceptive provoked reflectory generalized epileptic fits in a trigger-like fashion, were accompanied by associated postural movements and almost all the signs of decerebrate rigidity. The paroxysms began at the age of 6 weeks and appeared whenever stimulation occurred in any part of the body. This was a case of incomplete high suprathalamic decerebration caused by verified pseudocysts limited to the subcortical region. It was a true decerebration, although the structures which are usually directly affected in decerebrate rigidity were macroscopically and histologically intact.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

MENSIKOVA, Z.; POLAK, O.; (H. Hoschova, S. Skrivanova techn. spol.)

Electroencephalographic activation by chlorpromazine effect on cerebral electrical activity during afferent stimulation. Cesk. neur. 21 no.3:145-158 May 58.

1. Neurologicka klinika KU, pob. v Plzni, prednosta prof. Dr. V. Pitha.
(CHLORPROMAZINE, eff.
on EEG & cerebral electrical activity during afferent stimulation in epileptics (Cz))
(ELECTROENCEPHALOGRAPHY, eff. of drugs on
chlorpromazine in epileptics (Cz))
(EPILEPSY, physiol.
cherbral electrical activity during afferent stimulation, eff. of chlorpromazine (Cz))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

PITHA, V.;MENSIKOVA, Z.;POLAK, O.;LEDINSKA, N.;MASIN, Z.

Electrical activity of the cortical and deep cerebral structures in cats and its variations under the influence of afferent stimulations by strychnine and other pharmaca. Cesk. fysiol. 8 no.5: 427-428 S '59

1. Neurologicka klinika Lek. fak. KU, pobocky v Plzni.
(BRAIN physiol.)
(STRYCHNINE pharmacol.)
(ELECTROENCEPHALOGRAPHY, pharmacol.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

PITHA,V.; POLAK,O.

Pharmacological Parkinson's syndrome. Activ. nerv. sup. 6 no.1: 88 '64.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, O.; FISAROVA, M.; SCHWARTZOVA, K.

Abdominal epilepsy. Cesk. pediat. 14 no.4:293-302 5 Apr 59.

1. Neurologicka klinika v Plzni, prednosta prof. dr. V. Pitha. O.P., Plzen, Nadrazni 4/11.p.

(EPILEPSY, case reports,
abdom. epilepsy (Cz))
(ABDOMEN, dis.
same (Cz))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

PITHA, V.; MASIN, Z.; POLAK, O.

Effect of serpasil on spasticity under kymographic control. Cesk. neur. 22 no.1:30-38 Feb 59.

1. Neurologicka klinika K. U. lekarske fakulty v Plzni, prednosta prof. Dr. V. Pitha.

(RESERPINE, ther. use,
multiple sclerosis, eff. on spastic cond., kymography (Cz))
(MULTIPLE SCLEROSIS, compl.
spastic cond., eff. of reserpine, kymography (Cz))
(KYMOGRAPHY,
in spastic reactions to reserpine in multiple sclerosis (Cz))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, O.; PITHA, V.

Pathological states related to convulsions and their relation to epilepsy. Cas. lek. cesk. 98 no.6:161-170 6 Feb 59.

1. Neurologicka klinika lekarske fakulty KU v Plzni, prednosta prof. dr. V. Pitha. O. P., Plzen, neurologicka klinika.
(CONVULSIONS, pathol.
(Cz))
(EPILEPSY, pathol.
(Cz))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

PITHA, Vaclav; MENSIKOVA, Zdenka; POLAK, Otakar; MASIN, Zdenek; LEDINSKA, Nada; tech. spoluprace: SKRIVANOVA, S.; KARLICKOVA, H.

Electrical responses of cortical and deep cerebral structures to the administration of LSD 25 in cats. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.4:469-480 '60.

1. Neurologicka klinika v Plzni; prednosta prof. MUDr. V. Pitha.
(CEREBRAL CORTEX pharmacol) (BRAIN pharmacol)
(LYSERGIC ACID DIETHYLAMIDE pharmacol)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

KOVAR, Milan; POLAK, Otakar

Hearing disorders caused by diseases of the temporal lobe.
Cesk. otolar. 9 no.4:212-217 Ag '60.

1. Klinika nemoci usnich, nosnich a kronich lekarske fakulty KU, pobocka v Plzni, prednosta prof. dr. F. Kotyza; Klinika nemoci nervovych lekarske fakulty KU, pobocka v Plzni, prednosta prof. dr. V. Pitha.
(DEAFNESS etiol.)
(TEMPORAL LOBE dis.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, Otakar

Diagnosis and therapy of psychomotor epilepsy in children. Cesk. psychiat.56 no.4:250-256 Ag'60.

1. Neurologicka klinika pobocky KU v Plzni.
(EPILEPSY in inf & child)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

MENSIKOVA, Z.; POLAK, O.; VRBIK, J.; Technicka spoluprace KARLICKOVA, H.; SKRIVANOVA, S.

The clinical and electroencephalographic picture of brain abscesses. Acta univ. carol.[Med] no.1:89-110 '61.

1. Neurologicka klinika fakulty vseobecneho lekarstvi University Karlovy se sidlem v Plzni, prednosta prof. dr. V. Pitha.

(ELECTROENCEPHALOGRAPHY) (BRAIN ABSCESS diag)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

MENSIKOVA, Zdenka; POLAK, Otakar; PITHA, Vaclav; MASIN, Zdenek; LEDINSKA, Nada; technicka spoluprace: KARLICKOVA, H.; SKRIVANOVA, S.

Electrical activity of cortical and deep cerebral structures and its responses to afferent stimuli, strychnine and other drugs in cats. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.4:447-467 '61.

1. Neurologicka klinika LFKU v Plzni; prednosta prof. MUDr. V. Pitha.
(CEREBRAL CORTEX physiol) (BRAIN physiol)
(STRYCHNINE pharmacol)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

PITHA, V.; POLAK, O.

Circumscribed encephalitis. Cesk. neur. 24 no.2:73-78 Mr '61.

1. Neurologicka klinika v Plzni, prednosta prof. dr. V. Pitha.

(ENCEPHALITIS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, O.; LEDINSKY, Q.; LEDINSKA, N.; MASIN, Z.

Electrical changes in the cortical, subcortical and brain stem structures of cats in asphyxial anoxia following temporary occlusion of the trachea (Registration with chronically implanted electrodes in light somnyl anesthesia). Cesk. neur. 24 no.5:333-340 S '61.

1. Neurologicka klinika v Plzni, prednosta prof. dr. V. Pitha I chirurgicka klinika v Plzni, prednosta doc. dr. K. Domansky.

(ELECTROENCEPHALOGRAPHY exper) (ANOXIA exper)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

PITHA, V.; POLAK, O.

Paroxysmal speech disorders. Cas.lek.cesk 100 no.26:810-815 30 Je '61.

1. Neurologicka kliniku KU v Plzni, prednosta prof. dr. V. Pitha.

(SPEECH DISORDERS diag) (ELECTROENCEPHALOGRAPHY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, Otakar

EEG in children with pavor nocturnus followed by epilepsy. Cesk. neurol. 25 no.4:248-254 Jl '62.

1. Neurologicka klinika lekarske fakulty Karlovy university v Plzni, prednosta prof. dr. V. Pitha.

(FEAR in inf & child) (EPILEPSY in inf & child)
(ELECTROENCEPHALOGRAPHY in inf & child)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, Otakar

Electroencephalogram in children with psychomotor epilepsy.
Cesk. psychiat. 48 no.1:35-43 F '62.

1. Neurologicka klinika pobodky KU v Pizni.
(ELECTROENCEPHALOGRAPHY in inf & child) (EPILEPSY in inf. & child)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

1/1

CZECHOSLOVAKIA

POLAK, O.; CHROMY, K.; Psychiatric Research Institute (Vyzkumny Ustav Psychitricky), Prague 8 - Bohnice, Director (Reditel) Docent Dr L. HANZLICEK.

"Some Aspects of Rigidity and Tonic Spasms in Hepatolenticular Degeneration."

Prague, Ceskoslovenska Neurologie, Vol 29, No 3, May 66, pp 160 - 168

Abstract /Authors' English summary modified/: Dynamic correlation of tests of mobility and EMG with several leads showed a close relationship between the tonic stretch reflex and rigidity in a patient suffering from hepatolenticular degeneration; it applied to the onset, intensity and susceptibility to prioroceptive facilitation. Tonic stretch reflexes play a part in the origin and intensity of plastic resistance and in the blocking reaction of the muscle to fast stretch. Infiltration of the motor points with procaine decreases the stretch and shortening reflexes. Proprioceptive

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

L 31706-66 RO

ACC NR: AP6025219 SOURCE CODE: CZ/0083/65/000/004/0222/0233

AUTHOR: Polak, O.--Polyak, O. (Prague)

ORG: Laboratory of Motor Behavior, Research Institute for Psychiatry, Prague (Laborator motoriky, Vyzkumny ustav psychiatricky)

TITLE: Electromyogram, motility, and muscular tone during therapy with vesitan

SOURCE: Ceskoslovenska psychiatrie, no. 4, 1965, 222-233

TOPIC TAGS: drug treatment, drug effect, electromyography, muscle physiology, psychoneurotic disorder, diagnostic drug, psychophysiology

ABSTRACT: Changes of motility and muscular tonus in 25 schizophrenic patients treated with Vesitan administered in doses of 20-150 mg over 2-8 weeks are described. The electromyographic recording of selected motor acts, of the tonic stretch muscular reflex, and the reaction of the muscle against passive prolongation can indicate schizophrenia in 72% of the cases as compared with 32% that can be detected by a routine clinical examination. The extrapyramidal syndrome reached only a mild degree and included symptoms of axial hypokinesia, hypomimia, and tremor. Pyramidal symptoms were rarely found. A sensitive index is the bicipital tonic stretch reflex. Orig. art. has: 5 figures and 3 tables. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 005

Card 1/1 MLS

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

MENSIKOVA, Z.; VRBIK, J.; POLAK, O.

The clinical picture and electroencephalogram in encephalomalacias resembling expanding lesions. Cesk. neurol. 28 no. 4:276-284 Jl '65.

1. Neurochirurgicka klinika lekarske fakulty Karlovy University v Hradci Kralove (prednosta: prof. Dr. R. Petr) a Neurologicka klinika lekarske fakulty Karlovy University v Plzni (prednosta: prof. dr. V. Pitha).

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

Neurology

CZECHOSLOVAKIA

POLAK, O.; Psychiatric Research Institute (Vyzkumny Ustav Psychiatricky), Prague, Director (Reditel) Docent Dr L. HANZLICEK.

"Transitory Hemiplegia as an Aura of Migraine or as an Inhibitory Epileptic Phenomenon."

Prague, Ceskoslovenska Neurologie, Vol 29, No 6, Nov 66, pp 410 - 416

Abstract /Author's English summary modified 7: The author describes an uncommon triad in a child; it consisted of sensory and motor epilepsy in the face, transitory flaccid hemiplegia, and migraine. The pathogenesis of paroxysmal paralysis is discussed with respect to the hemiplegic migraine, epileptic inhibition, and spreading neuronal depression. It seems that the associated excitatory and inhibitory signs and the migraine are due to a deep focal lesion affecting paroxysmally the thalamo-aortical region of the left hemisphere. 28 Western, 9 Czech references. (Manuscript received 15 Sep 64).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, Otakar

Vascular disorders of the spine in older subjects. Acta univ. carol. [Med.] Suppl. 15:167-176 '61.

1. Neurologicka klinika lekarske fakulty University Karlovy se sidlem v Plzni, prednosta prof. dr. V. Pitha.
(SPINAL CORD blood supply)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

2

LANDRGOT, B.; POLAK, O.; SUCHAN, J. CSSR

Orthopedic Clinic SFN (Ortopedicka klinika SFN), Plzen; director: docent D. POLIVKA, MD; Neurological clinic (neurologicka klinika) SFN, Plzen, director: prof. V. PITHA, MD

Bratislava, Bratislavske Lekarske Listy, No 3, 1963, pp 166-170

"Late Sequelae of Injuries to the Cervical Segment of the Vertebral Column"

(3)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

MENSIKOVA, Z.; POLAK.O.; VRBIK,J. Technicka spoluprace: KARLICKOVA, H.; SKRIVANOVA, S.

Clinical and electroencephalographic picture of thrombosis and stenosis of the carotid arteries. Acta Univ. Carol. [med.] (Praha) 9 no.8:673-701 '63

1. Neurologicka klinika lekarske fakulty University Karlovy v Plzni.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

LANIRGOT, B.; POLAK, O.; SUCHAN, J. CSSR

Orthopedic Clinic SFN (Ortopedicka klinika SFN), Plzen; director: docent D. POLIVKA, MD; Neurological clinic (neurologicka klinika) SFN, Plzen, director: prof. V. PITHA, MD

Bratislava, Bratislavske Lekarske Listy, No 3, 1963, pp 166-170

"Late Sequelae of Injuries to the Cervical Segment of the Vertebral Column"

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, O.

Valuation and selection of forest tree species. p. 414.
(VESTNIK, Vol. 4, No. 7/8, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, O.

F. Papanek's Economics of Socialist Forestry; a book review. p. 47 (Les Vol. 3 (i.e. 12) no. 1, Jan. 1956 Bratislava)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, O.

PAPANEK, F.; POLAK, O. "Is the forest an object of work or a means of work?" p. 150. (Polana. Vol. 9, no. 7/8, July/Aug. 1953. Praha.)

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

L 13392-66
ACC NR: AP6006739

SOURCE CODE: CZ/0082/65/000/004/0276/0284

AUTHOR: Mensikova, Z.; Vrbik, J.; Polak, O.

ORG: Neurosurgical Clinic, Medical Faculty, Charles University, Hradec Kralove (Neurochirurgicka klinika lekarske fakulty KU); Neurosurgical Clinic, Medical Faculty, Charles University, Plzen (Neurologicka klinika lekarske fakulty KU)

TITLE: Clinical picture and the EEG of brain softening simulating an expanding lesion

SOURCE: Ceskoslovenska neurologie, no. 4, 1965, 276-284

TOPIC TAGS: brain, circulatory system disease, electroencephalography, x ray equipment, diagnostic instrument

ABSTRACT:
In 9 out of 43 cases of brain softening, and in 7 out of 79 cases of carotid thrombosis or stenosis, X-ray and EEG findings showed signs of intracranial hypertension. This occurred mainly in large areas of softening; the course was slowly progressive rather than apoplectic. Papilloedema was marked in some cases, in others only initial stages were found. EEG findings showed foci of theta and delta waves with occasional oscillation of the base line and depression of the rhythm. The rhythms were less marked than in tumors of the brain. In some cases surgical treatment helped.

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

L 13392-66

ACC NR: AP6006739

Orig. art. has: 4 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 05Oct64 / OTH REF: 019

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK O. J. Rutin Prakticky Lekar 1949, 29/4 (66-67) Illus. I.

The action of rutin in various pathological conditions is discussed. It acts only in the case of disturbances of the permeability of the capillary walls, the effect being closely related to that of vitamin C.

Wenig - Prague

SO: Physiology Biochemistry and Pharmacology. Section II, Vol. 2, No. 9.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

Y author

3

BOSÁČEK, V; POLÁK, R; KUČERA, E; DANEŠ, V.

Czechoslovakia

Institute for Physical Chemistry, Czechoslovak Academy of Sciences -- Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 11, 1962, pp 2575-2584

"Superficial and Structural Properties of Aluminiumoxyde Treated with Halogens and Aluminiumtetrafluoborate."

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

CZECHOSLOVAKIA

POLAK, R

Institute of Physical Chemistry, Czecholsovak Academy of Sciences, Prague

Prague, Collection of Czechoslovak Chemical Communications, No 1, January 1967, pp 212-218

"Calculations of models of the σ electron structure of molecules. Part 2: An interaction of the ethylene molecule with the point charge."

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

ZUKAL, A.; DUBININ, M.M.; KADLETS, O. [Kadlec, O.]; PLACHENOV, T.G. [Placenov, T.]; POLAK, R.

Characteristics of the porous structure of active coals obtained by various methods. Zhur. fiz. khim. 39 no.5:1198-1205 My '65. (MIRA 18:8)

1. Institut fizicheskoy khimii AN Chekhoslovatskoy Sotsialisticheskoy Respubliki, Praga.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, R.

Therapy of torpid wounds. Lek. obzor. 1 no.5-6:211-212 1952. (CIML 23:2)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, R.

"At the Side of Miners", P. 1, (TECHNICKE NOVINY, Vol. 2, No. 8, Apr. 1954, Praha, Czechoslovakia)

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, R.

"Cutting 620 Meters of Passageway a Month", P. 6, (TECHNICKE NOVINY, Vol. 2, No. 8, Apr. 1954, Praha, Czechoslovakia)

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

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, R.

"We Build Socialist Prague", P. (4) Of Cover, (TECHNICKE NOVINY, Vol. 2, No. 10, May 1954, Praha, Czechoslovakia)

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, R.

"Responsibility of Miners for Our Progress", P. 1, (TECHNICKE NOVINY, Vol. 2, No. 17, September 1954, Praha, Czech.)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, R.

Why the cyclical organization of work is not fulfilled in Ostrava. p.6. (Technicke Noviny, Praha, Vol 2, No. 21, Nov 1954)

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, R.

POLAK, R.

Tasks of sanitary engineering. p.6. (Technicke Noviny, Praha, Vol. 2, No. 23, Dec. 1954)

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

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

BOSACEK, Vladimir; POLAK, Rudolf

Simple calorimeter for determining the wetting heat of powder adsorbents. Chem listy 57 no. 5: 514-518 My '63.

1. Ustav fysikalni chemie, Ceskoslovenska akademie ved, Praha.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

PROCESSES AND PROPERTIES INDEX

13C

A1

Polarographic analysis of mixtures of aldehydes and peroxides. V. STERN and S. POLAK (Acta Physicochim. U.R.S.S., 1939, 11, 797—814).—Reduction potentials of org. peroxides at a dropping Hg cathode have been determined in aq. LiCl and in presence of CH_2O, MeCHO, and EtCHO. The vals. obtained are: MeO_2H and EtO_2H 0·25—0·3 v., $(OH\cdot CH_2)_2O_2$ 0·4 v., Et_2O_2 0·6 v., H_2O_2 0·8 v. When the peroxide concn. is ~0·0001%, the error in its determination in presence of aldehydes is <8%. Since the aldehydes have reduction potentials >1·4 v. the method can be applied to the analysis of the products of incomplete combustion of hydrocarbons. CH_2O behaves erratically, the wave height being very sensitive to slight changes of temp., and the error with this substance may reach 30%. In all cases O_2 is eliminated from the solutions by bubbling H_2. AcO_2H is not reducible. F. L. U.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, Stanislav, nositel odznaku "Najlepsi pracovnik geologickej sluzby" a "Najlepsi pracovnik ministerstva hutneho priemyslu a rudnych bani"

Prospects of the survey of neovolcanic ore veins in the Banska Stiavnica area. Geol pruzkum 6 no.5:131-132 My '64.

1. Geologicky prieskum National Enterprise, Zilina, Geophysical Center in Bratislava.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

BAIMUS, P., conf.; MAGERU, V., dr.; NUBERT, Gr., dr.; CARASIEVICI, V., dr.; RUGINA, V., dr.; POPOVICI, N., dr.; ANDRIAN, V., dr.; BRAIER, R., dr.; MOISE, B., dr.; POLAK, S., dr.

Clinical and biochemical studies with radioactive phosphorus in generalized articular chondrocalcinosis. Med. intern. 14 no.8: 985-991 Ag '62.

1. Lucrare efectuata in Clinical balneologica I.M.F. Iasi (director conf. P. Balmus).
(JOINT DISEASES) (CARTILAGE) (CALCINOSIS)
(PHOSPHORUS ISOTOPES) (PHOSPHORUS METABOLISM DISORDERS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

~~[illegible]~~, POLAK, Stanislav

Czechoslovakia/ Cosmochemistry. Geochemistry. Hydrochemistry D.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11513

Author : Polak Stanislav
Title : Supergene Siderite from the Pezinok District

Orig Pub : Supergenny siderit z Pezinku.
Geol. prace. SAV, Zpravy, 1954, (1955), No 2, 42-47 (Slovak; Russian and German summaries)

Abstract : During study of pyrite ore of Pezink-Pernets massif a siderite of supergene origin was discovered in the form of finely gramular and ocherous masses of greenish coloration containing 86.38% $FeCO_3$. Admixtures include (in %): FeS_2 1.93, Fe_7S_8 traces, Mn 1.49, SiO_2 3.17, Al_2O_3 1.33, TiO_2 traces. Spectral analysis revealed in addition: Mg, Cu, Zn, Ni, Ca, Mn, Ba, Ti and Co. Two variants of siderite formation are discussed: by the action of $FeSO_4$ solutions on secondary carbonates or as a result of reaction of carbonates dissolved in water with FeSO4 (similarly to the formation of monheimite).

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STANISLAV, POLAK

GP

The primary zone in the manganese ore deposit of Lednické Rovné. Stanislav Polák. *Geol. Práce* 2, 48-52 (1954)(Pub. 1955)(German summary).—$CaCO_3$ contg. Mn and Fe occurs in the primary zone of the deposit.
Michael Fleischer

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

STANISLAV POLÁK

Metasomatic galena occurrences in the Middle Triassic limestones near Pila, Nová Baňa. Stanislav Poláк. *Geol. Práce* 2, 53–61(1954)(Pub. 1955)(German summary).—In these abandoned mines, mineralization was concd. along the contacts between limestone and cryst. schists. Hydrothermal solns. recrystd. the limestone and deposited galena and pyrite with minor chalcopyrite and sphalerite. The ore has been largely oxidized. Michael Fleischer

GP

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

BOSACEK, V.; POLAK, R.; KUCERA, E.; DANES, V.

Surface and structural properties of aluminum oxide after its treatment by halogens and aluminumtetrafluoborate. Coll Cz Chem 27 no.11:2575-2585 N '62.

1. Institut fur physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, Slavko, inz.; BRUNKER, Janez, inz.

Some problems of frequency regulation in the electric systems by means of the power plants working in cascades. Elektroprivreda 15 no.2/3:77-83 F-Mr '62.

1. Sravske elektrane, Maribor.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

RZEBIK, Tadeusz, dr.; POLAK, Stanislaw

Preparation of charges of foreign iron and chromium ores in the years 1959-1965. Wiad hut 15 no.10:302-308 O '59.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, S.

POLAK, S. Contribution to the study of the topographic mineralogy of the Little Carpathian Mountains. p.141.

No 3, 1955, Geologicke Prace; Zpavy, Bratislava, Czechoslovakia.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10, Oct. 1956.

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POLAK, S.

"Determination of gravel resources by the help of a modified metho d of elevation."

RUDY. Praha, Czechoslovakia. Vol. 3, no. 8, Aug. 1955.

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

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POLAK, S.

Electric apparatus for installations in river and lake boats. p. 290.
(ELEKTROTECHNICKY OBZOR, vol. 44, no. 5, May 1955, Praha)

SO: Monthly List of East European Accession, (EEAL) LC, Vol. 4, No. 11, Nov. 1955, Uncl.

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POLAK, STANISLAV

Czechoslovakia/Cosmochemistry. Geochemistry. Hydrochemistry. D

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 18911.

Author : Stanislav Polák
Inst : -
Title : Some Remarks Concerning the Question About the Relation of Pyrite to Pyrrhotite in Pyrite Occurrences in Little Carpathian Mountains.

Orig Pub : Geol Prace, SAV, Zpravy, 1956, No 6, 41-44.

Abstract : It is assumed in accordance with some theoretical reasons and experimental data (Stevens R.E., Econ. Geology, 1933) that pyrrhotite has been formed during the postmagmatic stage through the transformation of pyrite, free H_2S participating in the transformation.

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POLAK, STANISLAV

The magnetite occurrence at Zeleznik near Trenčianske Jastrabie. Stanislav Polák. *Geol. Práce Slovensk. Akad. Vied* 7, 137–44(1958)(German summary).—A small, uneconomic deposit in amphibolite is described, with a chem. analysis of martitized ore and a qual. spectrographic analysis of magnetite. Michael Fleischer

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POLAK, S.

Efficient organization of the work of evaluation in the geological surveying of ore deposits. p. 51.

Vol. 4, no. 2, Feb. 1956
RUDY
Praha, Czechoslovakia

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

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POLAK, Stanislav

CZECHOSLOVAKIA/Cosmochemistry. Geochemistry. Hydrochemistry. D

Abs Jour: Ref Zhur-Khim., No 23, 1958, 77048.

Author : Polák, ~~Stanislav.~~
Inst :
Title : Paragenesis of Fluorapatite-Siderite Veins at Jedlovych Kostolian, Zlate Moravce District.

Orig Pub: Geol. práce SAV. Zprávy, 1957, No 11, 76-88.

Abstract: The results of study of chemical and mineralogical composition of siderite veins are presented. The content of some elements in these siderites is as follows (in %): Fe - 10.69 to 34.79, Mn - 0.82 to 2.91, SiO_2 - 7.72 to 42.94, P - 0.33 to 4.78, Cu - up to 0.18. In places, where the maximum P content has been found, rose-colored fluorapatite amounts

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POLAK, Stanislaw, dr inz.; ZGLOBICA, Tadeusz, mgr inz.

Preliminary results of studies on the influence of city sewage irrigation on the yield of meadows. Gosp wodna 23 no.4:136-139 Ap '63.

1. Katedra Melioracji Rolnychi Lesnych, Wyzsza Szkola Rolnicza, Krakow.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

CZECHOSLOVAKIA / Cosmochemistry, Geochemistry, Hydrochemistry. D

Abs Jour : Ref Zhur - Khim., No 17, 1958, No 57089

Author : ~~Polak, S.~~
Inst : Not given
Title : Manganese Ores of Little Carpathians.

Orig Pub : Geol. prace, SAV, 1957, No. 47, 37-84.

Abstract : A geological and chemical study of Mn ores in two regions: Borinka and Cherveny Domchek was made. Liassic thin bedded marly shales are the containing rocks. Syngenetic mineralization has a form of layers and elongated lenses of unknown mineralogical composition. Nine geological maps and sections and results of 35 incomplete chemical, two complete chemical and 13 semi-quantitative spectrum analyses are given in this study. 37 chemical elements were discovered in all: Si, Al, Ca, Mg, Fe, Mn, C, S, K, H, O, Ag, As, Co, Cu, Na, Ni, Zn, B, Ph, Ba Cr,

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CZECHOSLOVAKIA / Cosmochemistry, Geochemistry. Hydrochemistry. D

Abs Jour : Ref Zhur - Khim., No 15, 1958, No 49892

Author : Polak, Stanislav
Inst : Not given
Title : Concerning Alunite and Alunitization in Region of Horny Turcek, Kremnica Mountains.

Orig Pub : Vest. Ustred. ustavu geol., 1957, 32, No. 5, 362-365

Abstract : The process of alunitization in Neogenic volcanic rocks was studied using the microscopic analysis. It was established that alunite was not a hypergenic mineral, but that it was produced by hydrothermal alteration of andesites; it is often found in the form of veins together with opal and pyrite. -- G. Vorob'yov.

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POLAK, S

GEOGRAPHY & GEOLOGY

Vol. 63, no. 2, 1958

Polak, S. Paragenesis of the fluor-apatite-sidertie vein in Jedlovc Kostoliany, in the district of Zlate Moravce. p. 76.

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POLAK, Stanislav

Some remarks on prospecting for ore in the Danube alluvium.
Geol pruzkum 7 no.1:5-7 Ja '65.

1. Geologicky prieskum National Enterprise, Zilina.

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POLAK, Stefan, inz.

Automatic frequency control of transistor radio receivers within the very high-frequency range. Sdel tech 13 no.2:64-66 F '65.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

14(6) YUG/3-59-1-10/26

AUTHOR: Polak, Slavko

TITLE: Daily Production Plan of a Cascade Working on the Run-of-the-River Storage Principle (Dnevni proizvodni plan kaskade koja radi po principu protočne akumulacije)

PERIODICAL: Elektroprivreda, 1959, Nr 1, pp 34 - 37 (YUG)

ABSTRACT: The author describes a method for computing the production plan of a hydropower plant cascade, which works on the run-of-river storage principle, a method suited to the dispatcher. The computation of the daily compensation volume, and losses caused by the compensation are also treated in the article. As an example the author takes the cascade of the Drava River, which consists of the hydropower plants Dravograd (12 Mw), Vuzenica (16.5 Mw), Vuhred (22 Mw), Fala (16.5 Mw) and Mariborski Otok (18 Mw), and carries out a computation from their parameters. The method described makes possible a quick and re-

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POLAK, S.; MIKUS, A.

Load distribution in hydroelectric power plants. p. 474.

ELEKTROPRIVREDA. (Zajednica jugoslovenske elektroprivrede) Beograd, Yugoslavia. Vol. 12, no. 10, Oct. 1959.

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

Uncl.

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PROCHAL, P.; POLAK, S.; SCHMOWITZ, A.

Characteristics of the garbage of the city of Krakow. Gaz woda techn sanit 38 no.3:83-86 Mr'64

1. Department of Agricultural and Forest Melioration, College of Agriculture, Krakow.

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POLAK, S. F.

Polak, S. F.

The structure of the universe

A mindenség szerkezete

Budapest, Szirka kiadás. Tudományos könyvtár 3 szám
1949, 43 p.

From: E. European List of Acc., Hungary, Vol. 1. No. 1, Sept-Oct 1951, p.26

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, Stefan

Glue spreading machine. Tech praca 16 no.5:343 My '64.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

ACC NR: AP6037092 (A) SOURCE CODE: CZ/0078/66/000/010/0024/0024

INVENTOR: Polák, Štěpán (Prague)

ORG: none

TITLE: Patent on submersible boat CZ Pat. No. PV 6931-65

SOURCE: Vynalezy, no. 10, 1966, 24

TOPIC TAGS: ship, marine engineering, underwater vessel

ABSTRACT: This patent describes a submersible boat, consisting of a water-tight hull driven by a motor and with stabilizing floats and pads manipulated from within the hull. The stabilizers and pads are distinctively attached to a frame on each side of the hull, each such frame having a stabilizing float and a handle.

SUB CODE: 13/ SUBM DATE: 19Nov65

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POLANSZKY, Bela

"Utilization of waste power resources" by K.V.Bulgakov. Reviewed by Bela Polanszky. Energia es atom 17 no.6:285 Je '64.

"Problems of prime cost of electric and heat power" by Abram Yakovlevich Avrukh. Reviewed by Bela Polanszky. Ibid.:285

"Economic effectiveness of using natural gas in industry" by Isaak Yakovlevich Furman. Reviewed by Bela Polanszky. Ibid.:285

"Utilization of gas in Europe" by M.V.Sidorenko. Reviewed by Bela Polanszky. Ibid.:285

"Power economy of the U.S.S.R." by L.A.Melent'yev, Ye.O.Shteyngauz. Reviewed by Bela Polanszky. Ibid.:285

"Perspectives for the development of boiler manufacture in the Soviet Union" by S.I.Mochan. Reviewed by Bela Polanszky. Ibid.:288

Survey of nuclear power production in the U.S.A. Ibid.:294-296

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GAWENDA-DZIERZYNSKA, Irena; POLAK, Teodor

Clinical evaluation the paper disk method of determination of sensitivity of pathogenic microorganisms. Polski tygod. lek. 10 no.42:1361-1365 17 Oct 55.

1. Panstw. Zakl. Hig., Warszawa, Chocimska 24. (Z Zakladu Antybiotykow Panstwowego Zakladu Higieny, kierownik: prof. dr. W. Kurylowicz i z II Kliniki Chirurgicznej A.M. w Warszawie; kierownik: prof. dr. J. Mossakowski).

(ANTIBIOTICS, resistance and sensitivity, bact., determ. with paper disk method.)

(BACTERIA, resistance and sensitivity, antibiotics, determ. with paper disk method.)

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POLAK, Teodor

Indications for postoperative dextrose saline application. Polski przegl.chir. 27 no.2:105-109 Feb 55.

1. Z II kliniki Chirurgicznej A. M. w Warszawie.Kierownik: prof.dr.J. Mossakowski.

(POSTOPERATIVE CARE,
glucose admin., indic. & eff.)
(GLUCOSE, ther. use,
postop. admin., indic. & eff.)

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POLAK, Teodor; KLEPKO, Wojciech.

Advantages of adminestering concentrated glucose solutions to patients after surgery. Polski tygod.lek. 11 no.1:28-31 2Jan 56.

1. Z II Kliniki Chirurgicznej A.M. w Warszawie: kierownik: prof. dr med Jan Mossakowski. Warszawa, ul. gen Zajaczka 12/16 m 40.

(POSTOPERATIVE CARE
concentrated glucose admin.)
(GLUCOSE, ther. use
postop. admin. of concentrated glucose)

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POIAK, Teodor

Studies on assimilation of glucose in postoperative conditions. Polski przegl. chir. 30 no.5:556-557 May 58.

(GLUCOSE, ther. use,
in postop. cond., assimilation of large quantities (Pol))
(SURGERY, OPERATIVE,
assimilation of large quantities of glucose in postop. patients (Pol))

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POLAK, V.

"Fight tuberculosis in connection with labor reserve of the Czechoslovak Railroads." (p. 267).
"An exhibition of technical literature on railroading." (p. 268).
"New work methods used in railroad repair shops and locomotive depots are successful." (p. 269).
"We should take better care of workers." (p. 3 of cover).

ZELEZNICE (Zeleznicni vydavatelstvi) Praha, Vol 3, No 11, 1953.

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

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DRAHNY, M.; POLAK, V.

Nuclear power engineering at the 6th World Power Conference.
Jaderna energie 9 no. 12:396-400 D '63.

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POLAK, V.

The conductometric determination of carbon in iron and steel. H. Ivković and V. Polak. *Monatsh.* 86, 485-90 (1955).—The method consists of burning the sample in O and measuring the cond. change of a $Ba(OH)_2$ soln., which serves as an absorbent for the CO_2. H. Neubert

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POLAK, Vaclav

Notes on the new physical and mechanical tests of rocks.
Geol pruzkum 5 no.5:147-148 My '63.

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POLAK, Vaclaw (Brno)

Conference on discrete geometry in Oberwolfach. Cas pro pest mat 88 no.3:385-386 Ag '63.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720001-2

POLAK, Vaclav

Commemorating the 65th birthday of professor Karel Koutsky.
Aplikace mat 7 no.6:472-473 '62.

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POLAK, Vatslav [Polak, Vaclav]; SEKANINA, Milan

On decomposition of the plane into system of subsets of topological circles. Cas pro pes mat 88 no.1:14-28 '63.

1. Prirodovedecka fakulta, Universita J.E.Purkyne, Brno, Kotlarska 2.

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