

KNIZHNYAK, N. A.
USSR/Physics - Waveguides

FD-2030

Card 1/1 Pub. 153-21/30

Author : Faynberg, Ya. B and Khizhnyak, N. A.

Title : Artificially Anisotropic Media

Periodical : Zhur. Tekh Fiz, 25, 710-719, 1955

Abstract : Mathematical analysis of propagation of electromagnetic waves in waveguides containing an anisotropic dielectric is presented. Equations expressing E-waves in a cylinder with a periodically varying dielectric are derived and solved. Gratitude for discussions is expressed to A. I. Akhiezer and K. D. Sinelnikov. Seven references, 5 foreign.

Institution :

Submitted : June 15, 1954

KHIZHNYAK, N. A.

FAYBERG, Ya. B.; KHIZHNYAK, N. A.

Artificially anisotropic media. Uch. zap. KHGU 64 no. 6:35-36
'55. (MIRA 10:7)

(Anisotropy)

KHIZHNYAK, N.A.

56-4-31/52

AUTHOR
TITLE

FAYNBERG, Ya.B., KHIZHNYAK, N.A.
The Energy Losses of a Charged Particle at its Transition through a
Layer-Shaped Dielectric I.
(Poteri energii saryashennoy chastitsy pri prekheshdenii cherez sloi-
styy dielektrik, I. Russian)
Zhurnal Eksperim. i Teoret. Fiziki, 1957, Vol 32, Nr 4, pp 883 - 895
(U.S.S.R.)

PERIODICAL

ABSTRACT

Let the particle be in uniform motion in the layer-shaped dielectric.
The paper under review determines a general expression for the losses
when the particle is in motion in a layer-shaped medium and in a wave
guide (charged with a layer-like dielectric). At the uniform motion of
a particle through a layer-shaped (periodic with respect to space) me-
dium it is possible to realize conditions under which a forced para-
metric resonance takes place. The parametric Cherenkov effect then pre-
sently has different characteristic properties. In considering the energy
losses of the particle in the layer-shaped medium, the authors of the
paper under review start out from a system of Maxwell equations descri-
bing the interaction of a charged particle in uniform motion with the
electromagnetic waves propagating in this medium. The Ansatz for the
solution for the components of the electromagnetic field is made in the
form of a Fourier's integration, - the course of the computations is dis-
cussed step by step and then the parametric Cherenkov radiation is in-

Card 1/2

KNIZHNYAKOVA L.N.

KHAKAN, G.L., kandidat meditsinskikh nauk; KUTEPOV, V.N., kandidat
meditsinskikh nauk; KNIZHNYAKOVA, L.N., kandidat meditsinskikh
nauk; OZEROVSKAYA, I.S., kandidat meditsinskikh nauk.

Improving industrial sanitation and hygiene conditions at the
Kanyeh-Burun mines. Ger.shur.no.10:57-58 O '56. (MLRA 9:12)

1. Ukrainskiy institut gigiyeny truda i profsabolevaniy.
(Korch Peninsula--Mine sanitation)

ZEMPLENYI, T.; KNIZKOVA, I.; LOJDA, Z.; MRHOVA, O.

The group-specific carboxylic esterase activity of aortic tissue.
Cor vasa 5 no.2:107-113 '63.

1. The Institute for Cardiovascular Research, and the Angiological
Laboratory of Charles University, Prague.

(AORTA)	(ESTERASES)	(RATS)	(RABBITS)
(POULTRY)	(METABOLISM)		

KNIZSEK, F.

"The measurement of tire utilization by machines and its bearing on the completion of the enterprise plan." p. 4. (TOBSTER'ELES, Vol. 6, no. 6, June 1952, Budapest.)

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

WANEK, Walter; KNOB, Bohumil

Thermogravimetric and roentgenographic study of thermal decomposition of green vitreol ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$). Silikaty 6 no.1:63-69 '62.

1. Vyskumny ustav anorganicke chemie, Usti nad Labem.

ARCHANGEL'SKIY, A. M.; KNORL'SDORT, YE. Y.

Geography - Textbooks

School textbooks on geography. Izv. Vses. geog. obshch., 84, No. 2, 1952.

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

KNORR, A. V.

KNORR, E.V.

Training graduate students in geography. Isv. Vses. geog. ob-va 86
no. 4:347-351 J1-Ag '54. (MLA 7:9)
(Geography--Study and teaching)

KNOBEL'S DORF, N.Y.

"Geography of the Ukrainian S.S.R." OL.H.[i.e.T.] Dibrova.

Reviewed by N.V.Knobel'sdorf. Inv.Vses.geog.ob-va 87 no.4:

374-378 J1-Ag'55.

(MIRA 8:10)

(Ukraine--Economic geography) (Dibrova, OL.H.[i.e.T.])

KNORR, S.DORF, E.

Discussion of the book "Economic geography of the U.S.S.R." Iss. Vses.
geog.ob-va 87 no.5:493-501. 8-0155. (MIRA 8:12)
(Geography, Economic)

AMSE - SODOR
KNOHEL'SDORF, N.Y.

~~Types of Soviet cities. Geog.sber. no.11:75-89 '57. (MIRA 11:1)~~
(Cities and towns)

KNOBEL'S DORF

"Voprosy geografii." No.38, 1956: Geography of cities. Reviewed
by M.V. Knobel'sdorf. Izv. Vses. Geog. ob-va 89 no.2:162-166
Kr-as '57. (MIRA 10:6)

(Cities and towns)

AUTHOR: Knobel'sdorf, E.V. 12-90-2-28/30

TITLE: Discussion of a Textbook on Economic Geography
of the RSFSR (Obsuzhdeniye uchebnogo posobiya po ekonomicheskoy
geografii RSFSR)

PERIODICAL: Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958,
Vol 90, Nr 2, p 203 - 206 (USSR)

ABSTRACT: A discussion on a book on economic geography of the RSFSR
took place at the economic geography section of the VGO.
The discussion was led by Professor M.B. Vol'f and attended
by teachers from various Leningrad higher educational insti-
tutions, including the author, V.M. Vol'pe, S.G. Kobayakov,
B.M. Shevtsov, V.S. Klupt, V.G. Krashennikov, and P.A.
Rodionova, representative of Uchpedgiz. There is one Soviet
reference.

AVAILABLE: Library of Congress
Card 1/1 1. Geography-Economic aspects

KNOBEL'SDORF, N.V.

Discussion of the first volume of "Lectures on the economic geography of the U.S.S.R" by V.M. Vol'pe, V.S. Klupt. Reviewed by N.V. Knobel'sdorf. Izv.Vses.geog.ob-va 90 no.5:493-495 8-0 '58.
(MIRA 11:11)

(Geography, Economic) (Vol'pe, V.M.) (Klupt, V.S.)

KNOBEL'SDORF, Eduard Vil'gell'movich; RODIONOVA, F.A., red.; KOROVINA, K.A.,
red. kart; PASHCHENKO, O.V., red. kart; MOKHOVA, N.I., tekhn. red.

[Practical exercises on the economic geography of the U.S.S.R.]
Prakticheskie zaniatiia po ekonomicheskoi geografii SSSR. Moskva,
Gos.uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1960. 123 p.
(MIRA 14:12)

(Geography, Economic)

KNOBEL'SDORF, E.V.

"Problems of geography." Collection 45. Geography of city and rural settlements. Reviewed by E.V. Knobel'sdorf. Isv. vses. geog. ob-va
92 no. 6:535-538 M-D '60. (MIRA 14:1)
(Cities and towns)

KNOBEL'SDORF, E.V.

Conference of economic geographers of Baltic Union Republics on the
geography of cities. Izv. Vses. geogr. ob-va 93 no.1:96-97 Ja-V
'61. (MIRA 14:2)

(Baltic States--Geography, Economic--Congresses)
(Cities and towns)

KNOBEL'SDORF, E.V.

Riga conference on the geography of population. Izv. Vses. geog.
Ob-va 93 no.6:549-551 M-D '61. (MIRA 15:1)
(Demography--Congresses)

KNOBEL'SDORF, E.V.

"Geographical studies on the stimulation of the economic development of small cities" (in Polish) edited by K.Daiewonski and others. Reviewed by E.V.Knobel'sdorf. Izv. Vses. geog. ob-va 94 no.1:92-95 Ja-F '62. (MIRA 15:3)

(Poland--Economic geography) (Poland--Cities and towns)
(Daiewonski, K.) (Kielozewska-Zaleska, M.) (Kosinski, L.)
(Kostrowicki, J.) (Laseczycki, S.)

KNOBELSDORF, E.V. (Leningrad)

Training geography teachers in the use of regional material
in schools. Geog. v shkole 26 no. 3:57-60 My-Je '63.
(MIRA 16:6)

(Geography—Teacher training)

KNOBELSDORF, E.V.

Third regional conference of economic-geographers of the Baltic
region. Izv.Vses.geog.ob-va 95 no.3:283-285 My-Je '63.
(MIRA 16:8)
(Baltic States--Geography, Economic)

8

KNOBEL'SDORF, E.V.

"Voprosy geografii," Vol. 56, 1962. Izv. Vses. geog. ob-va
95 no.6:555-557 N-D '63. (MIRA 17:1)

KNOBEL'GORF, E.V.

Synthetic types of Soviet cities. Izv. Vses. geog. ob-va 97 no.2:
119-127 Mr-Apr '65. (MIRA 18:5)

PIASKOWSKI, J.; KNOBLADT, W.

Book reviews. Hutzik P 30 no.10:345-346 0'63.

KNOBLOCH, J.; PFLUG, J.

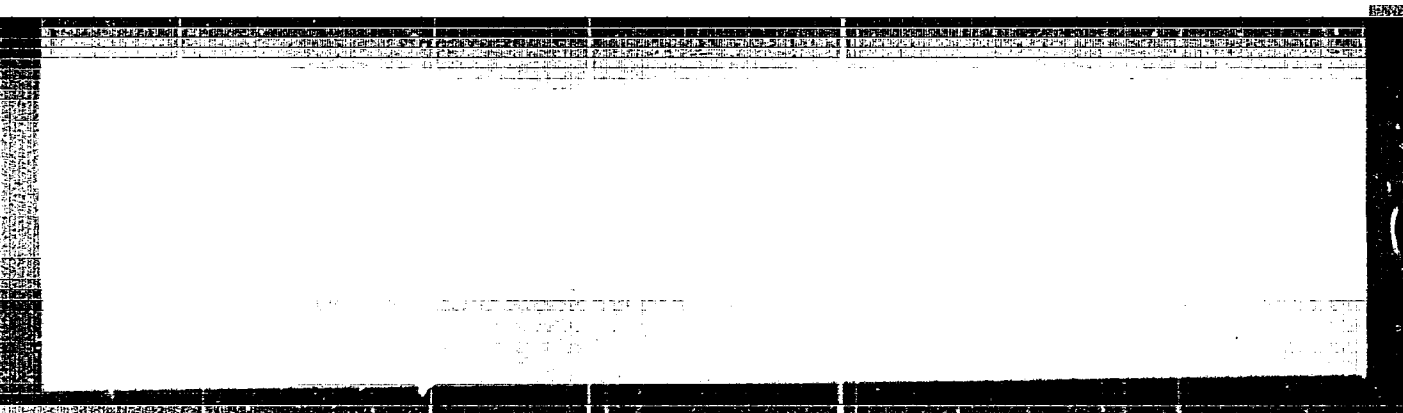
On the problem of prevention of thromboembolic disease in surgery.
Cas. Lek. Cesk. 101 no.9:261-267 2 Mr '62.

1. Chirurgická klinika základna VDL v Praze 8 - Bulovka, přednosta
prof. MUDr. Jan Knobloch, DrSc.

(THROMBOEMBOLISM prev & control)
(COUMARINS ther)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320012-1



APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320012-1"

KNOBL, Jaroslav; GOLKA, Frantisek

Preliminary report on the morphologic changes of recent spores of
the order Polypodiaceae during ripening. Prir cas sleisky 22 no.4:
548 '61.

CZECHOSLOVAKIA/Nuclear Physics - Nuclear Reactions

C-5

Abs Jour : Ref Zhur - Fizika, No 5, 1959, No 10162

Author : Maly Jaromir, Knoblach Vladimir, Iprisoa Dana, Prasil Zdenek, Urbanec Zdenek

Inst : Czechoslovak Academy of Sciences, Prague, Czechoslovakia

Title : Determination of the Yield of Ba^{141} and Ba^{142} in the Fission of U^{235} .

Orig Pub : Chem. listy, 1958, 52, No 5, 918-925

Abstract : A radiochemical method was used to determine the yield of Ba^{141} and Ba^{142} in the fission of U^{235} , along with the half lives of these isotopes. The absorption method was used also to determine the energy of the beta radiation from the isotopes. The following data were obtained: for Ba^{141} the yield is $5.26 \pm 0.32 \%$, the energy of the beta radiation is 1.93 ± 0.1 Mev, and the half life is 18.3 minutes. For Ba^{142} the yield is $4.90 \pm 0.53\%$, the beta-radiation energy is 0.76 ± 0.07 , and the half life is 5.9 minutes. -- Author's resume

Card : 1/1

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CIA-RDP86-00513R000723320012-1

Country : ROMANIA

Category : Microbiology, Microbes Pathogens

Abs. Jour : Fiziologia, 1958, Vol. 1, No. 1, 37-50

Author : Knoblach, A.; Geli, V.; Stanciu, A.

Institut. :

Title : A Modified Staining Technique for the Koch Bacillus

Orig Pub. : Fiziologia, 1958, Vol. 1, No. 1, 37-50

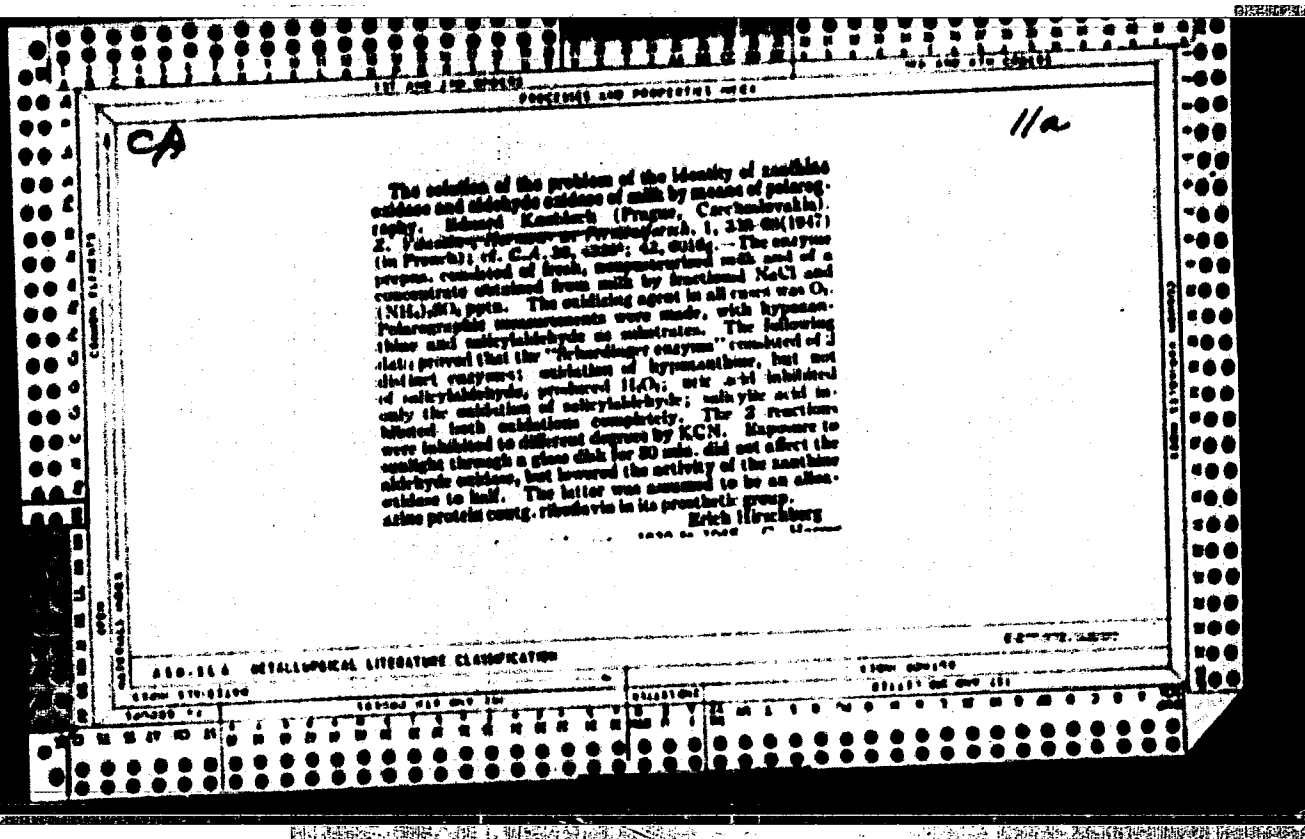
Abstract : no abstract

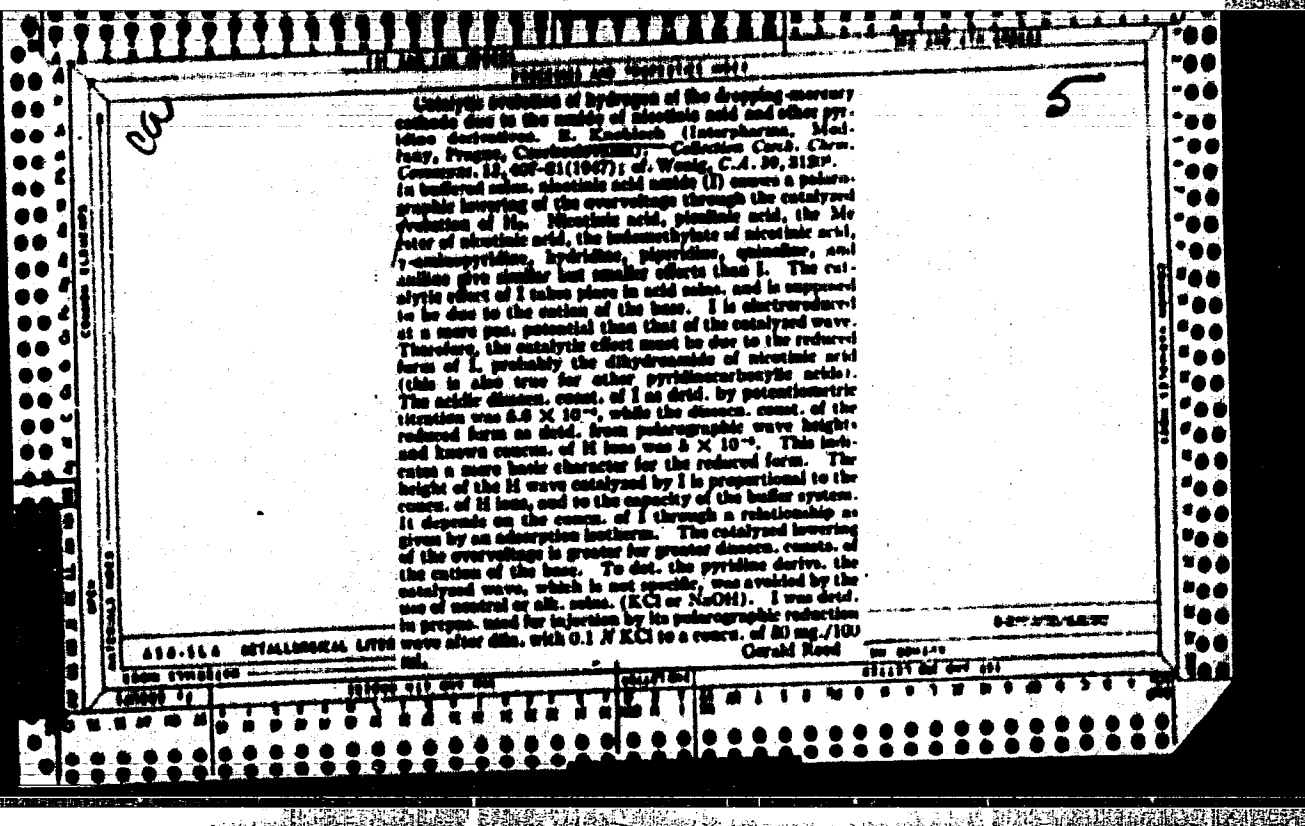
Card: 1/1

KNOBLOCH, D.; MACHA, F.; MNOUCKA, K.

"Determination of tocopherols in vegetable oils by the polarographic methods", P. 718., (CHEMICKÉ LISTY, Vol. 46, No. 12, Dec. 1952, Praha, Czechoslovakia)

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





11. AND 12. SERIES		POSITIONS AND PROPERTIES	
01		12	
Photooxidation of methine oxides and aldehyde oxides in milk. Edward Koshluk (Belovka, Imp., France). Collection - Gendreau. Chem. Commun. 12, 101-102 (1947) (in English). -- Expts. were performed to det. whether the ability of milk to oxidize hypoxanthine (I) and aldehyde oxides in one or more than one enzyme unit. Methylenes blue was the II acceptor in the oxidation of I, and the reduction was followed polarographically. When alkylaldehyde (II) was used as substrate, O was the II acceptor, and the disappearance of II was followed by direct polarographic detn. Fresh milk and milk inactivated by irradiation for 10 min. with a Hg lamp were the sources of enzyme. From the fact that the two reactions were not slowed down to the same degree by irradiation it was concluded that the two reactions were not catalysed by the same enzyme. Eugene Roberts			
ADD. 11.0 METALLURGICAL LITERATURE CLASSIFICATION			
12.000 12.000 12.000		12.000 12.000 12.000	

The hydrolytic splitting of the oxidation product of 2-methyl-1-*n*-amino-naphthalen (vitamin K₁), E. Kneibler (Research Inst. BPOFA Ver. Pharm. Werke), 300000 Melisried, Fading, Strals. Prov., Inst. Comp. 1931, Pt. 1, Nos. 121-24 (in Russian), 784-9 (in German); cf. C.A. 64, 4991g. 2-Methyl-1-*n*-amino-naphthalen is reversibly reduced and oxidized at the dropping-Hg electrode. The oxidation product is easily hydrolyzed to 2-methyl-1-*n*-naphthoquinone and H₂O. This hydrolysis can be followed potentiographically since the quinone produces a wave at a more neg. potential than the nonhydroxydized material. The reaction is of the first order but its velocity is a function of pH (the half life is about 2 min. in acid and 8 hrs. in alk. media). The activation energy for the hydrolysis is -9200 cal./mol. (Nite H. Mollre

KNOBLOCH, E.
HUNGARY. / Physical Chemistry - Electrochemistry.

B-12

Abs Jour : Referat. Zhurnal Khimiya, No.1, 1958, 590.

Author : E. Knobloch.

Inst. : Academy of Sciences of Hungary,

Title : Polarography of Chloromycetin and Intermediary Products of Vitamin A Synthesis Using Citral.

Orig Pub : Acta chim. Acad. sci. hung., 1956, 9, No.1-4, 471 - 482; Discuss. 482 - 484.

Abstract : Polarographic behavior of citral (I), pseudionone (II), α - and β -ionones (III) and (IV) and aldehyde C_{14} - intermediary and secondary products of vitamin A synthesis - was investigated. In acid and neutral media, all these substances produce single-step waves, for which $dE_{1/2} / dpH \approx -60$ mv. At a given pH, $E_{1/2}$ becomes more negative in

Card: 1/2

HUNGARY. / Physical Chemistry - Electrochemistry.

B-12

Abs Jour : Referat. Zhurnal Khimiya, No.1, 1958, 590.

Abstract : the succession $II < IV < I < III < IV$. It is shown that III in presence of IV, V in presence of IV and I in presence of II can be determined polarographically. The polarographic behavior of chloromycetin (chloramphenicol, VI) and a series of intermediate products of its synthesis, in particular of α -dichloroaceto- β -oxy-n-nitropropionophenone (VII) is described. It is shown that the presence of the ketogroup in the n-position in reference to the NO_2 group shifts the reduction E of the latter about 100 mv² to the positive side. This permits to determine little admixtures of VII in VI by taking derivative polarograms.

Card: 2/2

Knobloch, Eduard

MD ✓ Globin zinc insulin, a new type of insulin preparation with prolonged activity. Eduard Knobloch and Marian Jelinek (J. Internat. Med. Prague) — *Czechoslovakia* 60, 178-82 (1951) — The chem., biol. and clinical properties of a zinc globin Zn insulin Zn insulin and protamine Zn insulin were compared. The modification of the insulin Minsky (cf. J. Gen. Phys. 13, 669 (1950)) method for the prepn of globin (I) is described. The modification consists in the pretransformation of hemine hemoglobin from hemoglobin into carboxyhemoglobin, I being isolated from the latter. This prepd., I is more stable and stable than I prepd. according to the original method and does not produce an Arthus reaction in rabbits, even when given in doses 100 times the usual human dose. Anthony Zentgraf

*Pharmaceutical Committee
Reference 11*

Anticoagulants. XVIII. A study of tautomeric equilibria of effective anticoagulative derivatives of 4-hydroxycoumarin. Edward Kachur, Bohumil Kahle, and Frantisek Starn (Prague and Durham, Research Inst., Pages Czech. J. Chem. List 60, 416-19 (1965); cf. *Chem. List Czech 91, 456 (1958)*.—On the basis of spectrographic and potentiometric measurements of 4-hydroxycoumarin, chromone, coumarin, bis(4-hydroxy-3-oxo-1,2,3,4-tetrahydropyran-2-yl)acetic acid and its Et ester, chromanol, and (acetyl) deriva. of the above compounds, an equil. between 4-hydroxycoumarin and 3-hydroxychromone is to be assumed in which the latter structure prevails with the bis-derivs. The anticoagulant effect of the bis-derivs. is attributed to the "chromone" form of fully dissolved sodium at pH 7-8. M. H. Dicks.

KNOBLOCH, EDUARD

Czech

CA: 47:11194

with JIRI PLIML and MIROSLAV PROTLIVA

Pharm. Biochem. Research Inst., Prague, Czech.

"Antihistamine substances. LVII. Stereoisomeric benzoyl-1-2-(2,6-dimethylpiperidino)ethyl ethers."

Chem. Listy 46, 758-51 (1952); cf. ibid. 551; CA 47, 4300a, 7433e, 9928e.

MEMORANDUM FOR DEBARS

Adrenalin and its derivatives - Chemical synthesis
Adrenalin - Adrenalin - Adrenalin

The compound was prepared by the reaction of 1.0 g (4.5 mmole) of 1,2-dibromoethane with 1.0 g (4.5 mmole) of sodium hydroxide in 10 ml of ethanol. The mixture was stirred at room temperature for 24 hours. The mixture was then poured into water and extracted with ether. The ether extract was dried over anhydrous sodium sulfate and evaporated to give 0.5 g of a solid. The solid was recrystallized from ethanol to give 0.3 g of a solid, mp 110-112°C. The mother liquor was evaporated and the solid was recrystallized again to give 0.1 g of a solid, mp 110-112°C. The total yield was 0.4 g (44%). The compound was identified as 1,2-dibromoethane by mass spectrometry and infrared spectroscopy. The infrared spectrum showed a strong absorption at 12.5 μ (800 cm⁻¹), characteristic of the C-Br bond. The mass spectrum showed a molecular ion peak at m/e 234, corresponding to the molecular weight of 1,2-dibromoethane.

M. H. Hickey

2/2

^bEduard Knobloch

[illegible]

FUCIK, K.; HAIS, I. M.; KAKAC, V.; ~~KNOBLOCH, H.~~ PROCHAZKA, Z.

Chemical characteristics of the main product of anticoagulant
pelentan in human urine. Cesk. fysiол. 4 no.3:342-348 1955.

1. Vyskumny ustav pro farmacii a biochemii, Praha.

(COUMARIN, derivatives,
ethyl biscoumacetate, metab. products in urine,
determ.)

(URINE,
ethyl biscoumacetate metab. products, determ.)

000000

Polarographic reduction of chloromethyl and related
compounds. Edward Kunkel and Neil Slater
and David J. W. Brown

...with polarographic reduction of chloromethyl and related
compounds. In the case of chloromethyl, the reduction
is rapid and the product is a colorless liquid.

...a drop of capillary glass and deaerate the solution.
The polarographic curve is registered up from 0.6 v. To
obtain a sample of water with 0.5M HCl, add
and remove the electrode. The polarographic curve is
registered up from 0.2 v. To obtain a sample of water
with 0.5M HCl, add and remove the electrode. The polarographic curve is
registered up from 0.2 v.

CZECH

Determination of α - β - γ -picolines, 2,6-lutidine, and 2-ethylpyridine in the β -picoline fraction of pyridine bases.
By Koudock (Vysoký Štátní farm. ústav, Brno, Prague).
Chem. abstr. 64: 711195h. Analysis of the β -picoline fraction is based on infrared spectroscopy which permits the detn. of the above 5 components within a 2%.

M. Hudský |

BI

Knobloch - S
CZECHOSLOVAKIA / Chemical Technology. Drugs. Vitamins. H
Antibiotics.

Abs Jour: Ref. Zhur. Khimiya, No 22, 1958, 74960.

Author : Knobloch, Gayno, Arnol'd, Mneuchek, Bassik.

Inst : Not given.

Title : Polarographic and Spectrographic Determinations
of Citral, Pseudo-ionone, β -ionone, γ -ionone and
C₁₄-Aldehyde (determination of intermediates in
the synthesis of Vitamin A from citral).

Orig Pub: Ceskosl. farm., 1957, 6, No. 5, 241-249.

Abstract: A technique was worked out for determining the
intermediate products in the synthesis of Vitamin
A. To eliminate the maxima that appear on the
polarographic curves, the authors add ~0.005% of
gelatine (I) to the samples being tested, thus
obtaining well reproducible results. The study
is carried out in buffered solutions (0.06 —

Card 1/3

methylen-(2)-al, (VI).

Small amounts (up to 1%) of V are determined in
the presence of VI in a borate buffer solution
of I. The polarographic determination of V in
the presence of IV is carried out in a solution

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15

CZECHOSLOVAKIA / Chemical Technology. Drugs, Vitamins. H
Antibiotics.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74960.

Abstract: at a pH of 9.0. The VI and IV in the presence of each other are determined spectrophotometrically in the UV range (Maximum absorption of VI in alcohol is $232m\mu$, and for IV it is $296 m\mu$), or in the IR range at 1090 and $980cm^{-1}$. VI is determined in the presence of V at $720 cm^{-1}$, III in the presence of IV and V at $885 cm^{-1}$, and II at $850 cm^{-1}$.

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CIA-RDP86-00513R000723320012-1

"Leaf and fruit remains from the upper freshwater Molasse of Massenhausen, Freising District, Upper Bavaria" by W. Jung.
Reviewed by Ervin Knobloch. Vest ust geol 39 no.2:140 Mr'64

BELEKIN, V., Drahovitz; KNEBEL, H., Berlin

Two canifer fossils discovered in the Maastricht of the Trebon Basin.
Cas min geol 9 no.2:135-141 '64.

1. Faculty of Natural Sciences, Charles University, Prague;
Central Geological Institute, Prague.

KNOBLOCH, Ervin

"Principles of paleontology." Reviewed by Ervin Knobloch. Vest ust geol
39 no.5:389-390 B '64.

Knobloch, E.

"Guide to measuring absorption spectra in ultraviolet and visible regions" by G. Pestemer. Reviewed by E. Knobloch. Chem listy 59 no.3:343-344. Mr '65.

CZECHOSLOVAKIA

Knobloch, E

Research Institute of Pharmacy and Biochemistry, Prague

Prague, Collection of Czechoslovak Chemical Communications,
No 12, December 1966, pp 4503-4512

"Catalytic isolation of hydrogen on a mercury drop electrode with the action of riboflavin and its derivatives."

MAJOUCK, K. MAJOUCK, K.

Polarographic determination of p-acetaminobenzaldehyde thiosemicarbazone
(conteben). Cesk. farm. 2 no.9:306-308 Sept 1953. (CML 25:4)

1. Of the Research Pharmaceutical and Biochemical Institute in Prague.

KNEZICH, J. ; PROCHAZKA, Z.

Studies on anticoagulants. XXV. Infrared spectra of certain derivatives of 4-hydroxycoumarin and chromone. p. 744. (Collection of Czechoslovak Chemical Communication Praha. Vol. 195 East no. 4, Aug. 1954)
SO: Monthly List of European Accession (EAL), LC, Vol. 4, No. 6, June 1955, Uncl.

Knobloch, E.

ENCLOSURE, 2.

Antihistamine substances. XXIV. Kinetics of the hydrolysis of antihistaminics of the benzhydrol ether type. In English. p.976. (Collection of Czechoslovak Chemical Communication. Praha, Vol. 19, no. 5. Oct. 1954)

SO: Monthly List of European Accession (SEAL), 18, Vol. 2, No. 6, June 1955, Uncl.

Knobloch, E.

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of Organic Substances. E-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57240.

Author : *Knobloch E.*, Jancik F., Janata V., Kraus E., Nemcova D., Bacik Z.

Inst : Not given.

Title : Determination of Phytol and Phytodiene and Synthesis of Pure Substances.

Orig Pub: Chem. listy, 1957, 51, No 7, 1379-1381.

Abstract: In the quantitative determination of Phytol (I) by infra-red spectrum method, absorption at 3360cm^{-1} (in CCl_4) and at 990cm^{-1} (in chloroform) are measured. For Phytodiene (II) the measurements are

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Res. Inst. Pharmacy + Biochem.

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of Organic Substances. E-3

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723320012-1
Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57240.

Abstract: made at 890cm^{-1} (in cyclohexane or in CS_2). A standard preparation is obtained from the raw I by subjecting the latter to molecular fractionation conducted at approximately 10^{-3}mm Hg abs. pressure and at $64-77^\circ$ temperature. Pure I is obtained in the subsequent chromatography, employing neutral Al_2O_3 as adsorption medium. Pure I is contained in a fraction desorbed in the $75-77^\circ$ range. II is synthesized by thermally decomposing Phytol ester of oxalic acid at $130-140^\circ$ and at 10mm Hg abs pressure. After fractionation the mixture is purified over neutral Al_2O_3 , and displaced with petroleum ether. For the determination of I, a modified quantitative acetylation method has been developed that employs pyridine medium. A sample

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KNOBLOCH, E., and others.

SCIENCE

Periodical COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNÍK CHEKOSLOVATSKÝCH KHMICKESKÝCH RABOT. Vol. 23, no. 1, Jan. 1958.

KNOBLOCH, E., and others. Determination of phytol and phytadiene, and the preparation of pure standards. In German. p. 136.

Monthly List of East European Accessions (KEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

KNOBLOCH, E.

Catalytic hydrogen separation in a mercury electrode by derivatives
of chromone and pyridine. Coll Cs Chem 25 no.12:3330-3337 D '60.
(KRAI 10:9)

1. Forschungsinstitut für Pharmazie und Biochemie, Prag.

(Hydrogen) (Electrodes, Mercury) (Chromone)
(Pyridine)

KNOBLOCH, E.

Studies on anticoagulants. XXXII. Isomeric mono-o-alkyl ethers of ethyl di-(4-oxy-3 coumarinyl) acetate. Coll Cs Chem 26 no.3:710-716 Mr '61. (KEAI 10:9)

1. Nauchno-issledovatel'skiy institut farmatsii i biokhimii, Praga.

(Oxobenzopyranacetic acid) (Coumarinacetic acid)
(Hydroxy compounds) (Ethyl group) (Alkyl groups)

SVATEK, E.; KNOBLOCH, E.

Determination of corticosteroids in adrenal extracts. Cesk. farm. 11
no.10:530-532 D '62.

1. Vyskumny ustav pro farmacii a biokemii, Praha.
(ADRENAL CORTEX HORMONES) (TISSUE EXTRACTS)

MUSIL, J.; KAFKA, V.; KNOBLICH, E.; PAVLOVSKA, J.

A simple method for the determination of 6-AZUR in the blood serum. Cesk. farm. 17 no.6:310-312 JI '63.

1. Oddeleni pro klinickou biochemii fakultni nemocnice, Praha
10 - Gynekologicko-porodnicka klinika lebarske fakulty
hygienicke KU, Praha - Vyskumny ustav pro farmacii a biochemii,
Praha.

(BLOOD CHEMICAL ANALYSIS) (NUCLEOSIDES)
(ANTINEOPLASTIC AGENTS)

KNOBLICH, E.; SVATEK, E.; BACIK, Z.

Isolation of phytol from plant material and its analytical evaluation. Cesk. farm. 17 no.6:312-316 JI '63.

1. Vyskumny ustav pro farmaci a biochemii, Praha.
(CHLOROPHYLL) (SPECTROPHOTOMETRY)
(CHROMATOGRAPHY) (TERPENES)

CZECHOSLOVAKIA

KNOBLOCH, E.

Prague, Vestnik ustredniho ustavu geologickeho, No 6, 1963,
427-431

"Paleobotanical Excursion in the Tertiary of Upper Lusatia
and Some Problems of the Tertiary Paleobotany."

CZECHOSLOVAKIA

KNOBLOCH, E.; Research Institute of Pharmacy and Biochemistry (Vyzkumny Ustav pro Farmacii a Biochemii), Prague.

"Some Examples of the Determination of Riboflavin Based on Differences in its Fluorescence After Quantitative Photoreduction."

Prague, Ceskoslovenska Farmacie, Vol 16, No 2, Feb 67, pp 64 - 69

Abstract [Author's English summary modified]: A spectrofluorometric method of determination of riboflavin based on its photoreduction in the presence of EDTA was investigated in pharmaceuticals, foods and other organic materials. The analyzed material is homogenized, extracted with acetate at pH = 4.7, enzymatically hydrolyzed, chromatographically isolated, photoreduced, and the fluorescent spectrum measured in the material itself and after an addition of a standard material. The method can be used in the presence of other vitamins. 6 Figures, 1 Table, 27 Western, 5 Czech, 1 USSR, 2 Japanese, 3 East German references.

1/1

KNOBLOCH, F.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723320012-1

Measurement of vegetative and motor reactions in psychoneuroses under emotional stress. *Neur. psychiat. česk.* 14 no.2-4:65-76 Aug 51.

(CML 21:5)

1. Of the Psychiatric Clinic (Head—Prof. Z. Myslivecek, M.D.), Prague. Pavlov's theories of neurosis and higher nervous activity are described. Preliminary experimental study on neurotic's pulse rate under and after physical exercise, using new tests and new instruments is described.

KNOBLOCH, F.

Clinical, constitutional, and balneotherapy of neuroses. Neur.
psychiat. česk. 14 no.2-4:131-137 Aug 51. (CINL 21:5)

KNOSLOCH, F.

Vegetative manifestations in neuroses. Neur. psychiat. česk.
14 no. 5-6:195-213 Dec 1951. (CML 22:3)

1. Of the Psychiatric Clinic (Head--Prof. Z. Myslivecek, M. D.),
Prague.

KNORLOCH, Ferd., MUDr; VLCEK, Eugen, MUDr; KNORLOCHOVA, Jirina, MUDr

Psychiatry and neuroses. Neur. psychiat. cesk. 17 no.4:199-205
Aug 54.

1. 2 psychiatrické kliniky v Praze. Prednosta prof. MUDr.
2. Myslivecek

(NEUROSES

in Czech., new soc. order as factor in etiol.)

KNOBLOCH, Ferd., MUDr; SEFRNOVA, Milena

**Contribution to the technic of family psychotherapy. Neur. psychiat.
cesk. 17 no. 4:217-224 Aug 54.**

**1. Z psychiat. kliniky v Praze (odd. polikliniky). Prednosta prof.
2. Myslivecek.**

(PSYCHOTHERAPY

family psychother., technic)

(FAMILY

psychother. of neurotic married couple)

LIRANSKY, J.; KAFKA, H.; KNOBLOCH, P.

**Neurocirculatory asthenia. Cas. lek. cesk. 93 no.40-41:1127-1135
8 Oct 54.**

**1. Z interniho, kardiologickeho a psychiatrickeho oddeleni fakultni
polikliniky v Praze
(NEUROCIRCULATORY ASTHENIA
diag. & ther.)**

KNOBLOCH, Ferdinand; VLOCK, Eysen; KNOBLOCHOVA, Jirina

Psychiatry, neurology and neuroses. Neur.psychiat. cesk. 18 no.3:
229-235 May 55.

(PSYCHIATRY

relation to neurol. & neuroses, Pavlovian aspect)

(NEUROLOGY

relation to psychiatry & neuroses, Pavlovian aspect)

(NEUROSES

place in neurol., Pavlovian aspect)

KNOBLOCH, Ferd; KOUTSKY, Ed.; MARTINEKOVÁ, E.; RINGROVA, M.

Characteristics of neuroses in Czechoslovakia. Cas. lek. česk.
95 no.41:1144-1148 12 Oct 56.

1. Psychiatrická klinika v Praze (ambulance fakultní polikliniky)
prednosta: prof. Dr. Ed. Myslivecek, F. K., Praha 2, Karlovo nám. 32.
(KNOBLOCH, statist.
in Czech. (Cs))

KNOBLOCH, F.

Ideological struggle and forms of critique. Czech. psychiat. 55
no.5:337-339 0 '59.
(PSYCHOANALYSIS)

KNOBLOCH, Ferdinand; NEZKUSIL, Jiri

The aid of psychiatry in control of crime. Cesk. psychiat. 57
no.6:373-378 '61.

1. Psychiatricka klinika KU v Praze -- Katedra trest prava prav.
fak. KU v Praze.

(CRIMINAL PSYCHOLOGY)

CZECHOSLOVAKIA

R. JUVANOVA and P. KROHLICH, Psychiatry Clinic of Faculty of General Medicine of Charles University (Psychiatricka klinika fakulty všeobecného lékařství) Head (prednosta) Prof Dr J. VONDRACEK, DrSc; Prague.

"Use of Two Questionnaires (N5, ZIN-ZIS) in Clinical Practice in Neuroses."

Prague, Activitas Nervosa Superior, Vol 3, No 1, Jan 63; pp 26-35.

Abstract [English summary modified]: Study of the sensitivity of the N5 questionnaire designed to pick up ephemeral mood fluctuations, and the ZIN-ZIS one intended to reveal general satisfaction with life in neurotics and healthy persons, in 100 or 44 patients. Ten graphs, 3 tables; 3 Czech and 1 British reference.

KNOBLOCH, F.

Psychotherapeutic system of the psychiatric department of the
faculty polyclinic in Prague. Cesk. psych. 60 no.6:367-374
N. 1 64.

1. Psychiatrické oddelení fakultní polikliniky v Praze.

JIRASEK, A.; KNEUVIRT, K.; BRAUN, ; WINGBIEG; KNOBLOCH, H.; VOZNEVILSK.

Dr. K.Kovarevic. Nashl.obir. 29 no.3:100-107 '50. (CML 19:2)

KNOBLOCH, I. E.

11E

A polarographic and spectrographic study on vitamin E (4-amin-2-methyl-1-naphthol) and its oxidation products. I. E. KNOBLOCH (United Pharmaceutical Works (SPOFA), Prague). Collection Czechoslov. Chem. Commun. 14, 211 (1949) (in English).—The system 4-amin-2-methyl-1-naphthol (I) and 2-methyl-1,4-naphthoquinolone (II) is polarographically and potentiometrically reversible in a slightly acid or basic medium. E_0 is +0.288 v. vs. S.C.E. (standard calomel electrode). α is independent of concn. and i is proportional to concn. In acid medium α changes 0.001 v. per pH unit. In strong acid II hydrolyzes so that 2 waves are found. At pH 10 α changes 0.028 v. per pH unit because oxidation of I occurs. $pK_a = 10.1$. $p\text{-NH}_2\text{C}_6\text{H}_4\text{OH}$ (III) behaves like I in alk. medium, $pK_a = 9.8$, $E_0 = +0.720$ vs. normal H electrode. The hydrolysis of II to 6-methyl-1,4-naphthoquinone (IV) at pH 6.5 has a $k = 34.6 \text{ min.}^{-1}$. The oxidation product of I was identified as IV by α and ultraviolet spectrum. The oxide of II in 90% yields

2 waves α , -0.544 and -0.598 v. vs. S.C.E. in a phosphate buffer of pH 7. Bands were found at 338 and 310 m μ for both I and III. On oxidation of concn. soln. of I at pH 4-5 yields V dark-violet crystals m. 180°, sol. in EtOH and CCl₄. V yields a polarographic wave α

-0.2 v. vs. S.C.E. in 80% EtOH 0.1 N in NH₄Cl. Absorption spectrum of V has peaks at 333, 321, 328, and 344 m μ . V is *N*-(4-hydroxy-2-methyl-1-naphthyl)-2-methyl-1,4-naphthoquinonimine, and was formed by condensation of I and IV in EtOH. V and its reduction product form a polarographically reversible system. The oxidation of I by red blood cells was followed polarographically. No H₂O₂ was found. I can be detd. polarographically in a phosphate buffer of pH 7.

R. G. Stone

KNOVLOCH J.

KNOVLOCH J. Chirurgické oddělení státní oblasní nemocnice na Bulovce, Praha.
O prefrontální leukotomii při neztisitelných bolestech Prefrontal leucotomy in
cases of intolerable pain Praktický Lekar, Prague 1942, 29/14 (28-269)

Four patients with pain due to tumorous metastases, were considerably relieved until death occurred. Some mental changes were noted. One patient with severe phantom pain after amputation of the thigh presented a mental disorder for several days after the operation. The phantom limb and phantom pains disappeared completely.
Henner - Prague (VIII,9)

So: Neurology & Psychiatry Section VIII, Vol. 3, No. 7-12

KNOBLOCH, J.

Placement of workers following accidents. Pracovni lek. 2 no.2:
64-69 15 May 50.
(CJML 20:4)

Knobloch, J.

KNOBLOCH J., JIRASEK A, NEUMERT K, BRAUN, KIMKICHL, VOZEMILEK

Dr. K. Kovarovic. Roshl. chir. 29:3 1950 p. 100-7.

CLAL 19, 2, Aug 50

KNOBLOCH, J.

**Transorbital prefrontal leucotomy. Rozhl.chir. 29 no.12:482-483 1950.
(CML 20:7)**

1. Of the Out-Patient and Sanatorium Department of the State Psychiatric Hospital in Bechnice, Prague VIII (Head--Head-Physician Jiri Semotan, M.D.) and of the Surgical Department of the State District Hospital in Bulevka, Prague VIII (Head--Head Physician Jan Knobloch, M.D.).

KNORLOCH, J.

**Complications following intravenous and intra-arterial
injections with special reference to criminal and civil
liability. Prakt. lek., Praha. 33 no.22: 500-505. 20 Nov
1953. (OML 25:5)**

KNOBLOCH, Jan, Prof. Dr

Recent principles and directives of evaluation of the effect of
injury on the course of disease. Prakt. lek., Praha 34 no.22:
497-501 20 Nov 54.

(JURISPRUDENCE, MEDICAL

medicolegal evaluation of eff. of inj. on dis.,
principles in Czech.)

(WOUNDS AND INJURIES

trauma eff. on dis., medicolegal evaluation, principles
in Czech.)

KNOBLOCH, Jan., Prof., Dr.

Considerations on pancreatocystogastrotomies. *Cesk. gastroenter.*
9 no.4:293-298 Dec 55.

1. Z chirurgické klinické základny ústavu pro doškolování lékařů
při obvodní nemocnici v Praze 8-Bulovka.

(PANCHEAS, cysts,

surg., pancreatocystogastrotomy)

(CYSTS,

pancreas, surg., pancreatocystogastrotomy)

KNOBLOCH, Jan, Prof. Dr.

Problem of therapeutic failures and of disabilities following hand injuries. Acta chir. orthop. traum. cech. 23 no.1:17-21 Feb 56.

(HAND, wounds and injuries,
surg. failure & disability in (Cs)
(WOUNDS AND INJURIES,
hand, surg. failure & disability in (Cs)

EXCERPTA MEDICA Sec.9 Vol.11/7 Surgery July 1957
KNOBLOCH J.

3958. KNOBLOCH J. • Zhodnocení významu různých chirurgických výkonů u počasných tepenných poruch na dolních končetinách. Evaluation of the significance of various operations in recurring arterial disturbances of the lower limbs ROZHL. CHIR, 1956, 35/7 (443-450) Tables 3

Long-term results of different operative treatment are given. Good results were obtained in 82% of 70 followed-up cases of Buerger's disease. The two-stage operation on the upper lumbar sympathetic and the splanchnic nerves with unilateral operation of a suprarenal gland is considered as the best operation. In arteriosclerosis the operative treatment was successful in 51% of 155 patients. First place is given to lumbar gangliectomy combined with resection of the artery or with some reconstructive operation. The earlier the operation is undertaken, the better the final outcome.

Niederle - Prague

~~KNOBLOCH, J.~~, Dr.; ROJTIK, Fr., As., Dr.

Causes of the syndrome of the axillary and costoclavicular veins. Roshl. chir. 35 no.12:712-715 Dec 56.

1. Chirurgická klinická základna UDL v Praze 8 - Bulovka
prednosta prof. dr. J. Knobloch.

(THROMBOPHLEBITIS, etiol. & pathogen.

axillary thrombophlebitis of effort (Cs))

EXCERPTA MEDICA **Sec. 8 Vol. 10/11 Neurology, etc. Nov 57**

KNOBLOCH J.

1956. **KNOBLOCH J.** Klin. Neurol. A. M., Wroclaw. *Wyniki leczenia stwardnienia rozsianego hormonem kortykotropowym. Results of the treatment of disseminated sclerosis with the corticotropic hormone
POL. TYG. LEK. 1957, 12/14 (511-513) Tables 3

A trial was made in 39 patients (20-56 yr. of age) suffering from MS in varying degrees. Symptoms disappeared 'completely' in 4 cases; improvement was noted in 18 cases. Two cases grew worse. A distinct decrease of muscle tone was seen in 11 patients with marked spastic paralyses. Total dose of ACTH ranged from 250-500 mg.

KNOBLOCH, Jan, Prof., Dr.; KOPASKE, Jiri, MUDr.

Personal experience with antibiotics in infections of the motor system. Acta chir. orthop. traumat. czech. 24 no.1:14-16 Jan 57.

1. Chirurgická klinická základna UDL Praha 8, Bulovka, přednosta prof. Dr. Jan Knobloch.

(BONE DISEASES, ther.

antibiotics in infect. (Cs))

(JOINTS, dis.

infect., ther., antibiotics (Cs))

(ANTIBIOTICS, ther. use

infect. of bones & joints (Cs))

KNOBLOCH, Jan, Prof. MUDr.

Formation of callouses in intra-axial osteosynthesis. Acta chir. orthop. traum. czech. 24 no. 4:266-273 July 57.

1. Chirurgická sákladná UDL v nemocnici v Praze 8 - Bulevka.

(BONE AND BONES, fract.

diaphysial, form. of callouses in intra-axial osteosynthesis (Os))

(CALLOSUS, pathogen.

in intra-axial osteosynthesis of diaphysial fract. (Os))

KNOBLOCH, Jan

To academician Arnold Jirasek on his 70th birthday. Roshl. chir.
36 no.7:426-428 July 57.

(BIOGRAPHIES

Jirasek, Arnold (Os))

KNOBLOCH, Jan, Prof. Dr. (doktor lekárskeho veda)

Analysis & evaluation of therapy of diaphyseal leg fractures. Acta chir. orthop. traumat. czech. 25 no.3:173-180 May 58.

1. Ustav pro doskolovani lekaru, Praha XII, Huska 85.
(LBO, fract.
diaphyseal, ther. & statist. (Cs))

KNOBLOCH, Jan, Prof. MUDr.

Problems of specialisation of physicians. Cesk. zdravot. 7 no.2:59-61
Mar 59.

1. Reditel Ustavu pro doskolovani lekaru v Praze.
(SPECIALISM
problem of specialisation (Cz))

KNOBLOCH, J.: HREZ, D.

On extended radical amputation of the breast. Cas. lek. cesk. 98
no.35:1091-1097 28 Aug 59

1. Chirurgická klinická základna UDL v Praze 8- Bulovka, přednosta prof.
dr. Jan Knobloch.
(MASTECTOMY)

KNOBLOCH, J.; KONOPASEK, J.

Effect of sequelae of vertebral fractures on work capacity. Acta
chir.orthop.traum.czech. 27 no.5:405-416 O '60.

1. Chirurgická klinika sákladu UDL v Praze.
(SPINE fract & disloc)
(DISABILITY EVALUATION)

KNOBLOCH, Jan

15 years of the Cs.Chirurgicka Spolecnost in the People's Democratic
Republic. Roshl.chir. 39 no.8:505-508 Ag '60.

(SOCIETIES MEDICAL)

(SURGERY OPERATIVE)

KNOBLOCH, Jan; PYLUS, Josef

The problem of gangrene of the lower extremities in diabetes mellitus. Rozhl.chir.40 no.2-3:125-131 Mr '61.

1. Chirurgická klin.sakl.UJL v Praze 8, na Bulovce, předn.prof.
MUDr. Jan Knobloch, Dr.Sc.
(DIABETES MELLITUS compl)
(GANGRENA etiol)
(LMO die)

HAK, A., KNOBLOCH, J., MACH, F.

On causes and therapy of pseudarthrosis of bones of the forearm. Acta
chir.orthop.traum.czech. 28 no.5:429-432 0 '61.

1. Chirurgická klinika základna UDL v Praze 8 - Bulovka, předn. prof.
MUDr. Jan Knobloch, Dr.Sc.

(PSEUDARTHROSIS) (FOREARM fract & disloc)

KNOBLOCH, Jan

On the problem of perspectives of Czechoslovakian surgery. Reshl.
chir. 40 no.6:345-352 Jo '61.

(SURGERY)

NOBLOCH, Jan; VOKNER, Jiri

On injuries of peripheral nerves in fractures. Acta chir. orthop. trauma. Cech. 28 no.6:469-472 D '61.

1. Chirurgická klinika základna UDL v Praze 8 - Bulovka, přednosta
prof. MUDr. Jan Knobloch, Dr. Sc.
(FRACTURES compl) (PERIPHERAL NERVES wds & inj)