

MOSKALEVA, V. E.

USSR.

✓The swelling of micro-sections of natural and compressed pine wood in liquids of different polarities. V. E. Moska-  
leva. *Trudy Inst. Lesa, Akad. Nauk S.S.S.R.* 9, 124-128  
(1953).—The swelling of natural (I) and compressed (II)  
microtome sections (20 microns thick) of pine was studied.  
After 2 hrs. immersion of I in H<sub>2</sub>O and in HCO<sub>2</sub>H, AcOH,  
EtCO<sub>2</sub>H, and PrCO<sub>2</sub>H the percentage of swelling (percent-  
age increase in cross-sectional area) was 27.3, 30.3, 19.8,  
11.5, and 6.9, resp.; the percentage decrease in lumen area  
22.7, 30, 1, 1, and 1; and the tangential and radial wall  
thickness of I summerwood tracheids (units given = 0.003  
mm.) 2.09 and 3.11, 2.17 and 3.20, 1.96 and 3.00, 1.57, and  
2.58, and 1.26 and 2.41. Photomicrographs of acid-swollen  
II are given. J. An. Lake Keys

U.S.S.R.

The permeability of pine sawwood and heartwood to liquids, and the possibility of its control. V. B. Barchenov and V. B. Moskaleva. *Study Inst. Leningrad Univ. S.S.R. 9, 227-232 (1955)*. The tangential and radial H<sub>2</sub>O permeability (I) of pine sawwood and heartwood (II-s and II-h) was detd. on test pieces 21.0 x 1.0 x 0.1 cm. and 15.0 cm. long. Dry II-h was immersed 11 months in kerosine, dried 8 hrs. at 100 ± 5°, and when tested with aq. NaCl solns. was found to have a lower I than untreated II-h. Alk-dry II-h was extd. with iso-PrOH until a colorless ext. was obtained (22 hrs. in 1 case, 35.6 hrs. in another, 7-7.5 hr. ext. removed from the wood), alk-dried, and the I tested with aq. NaCl solns. For II-s, II-h (untreated), and II-h (extd.) radial capillary I (in cc. per day) was 1.60, 0.100, and 1.80, with a max. of 8.50, 0.122, and 2.30, and a min. of 0.80, 0.050, and 0.64; the final av. H<sub>2</sub>O contents were 46.2, 45.6, and 33.9%. A microscopic study of anatomical structure showed that after extd. the resin ducts, particularly in the summerwood, had disappeared. Springwood (sp.) (33 X 12 X 4-6 mm.) and summer wood (su.) (33 X 12 X 1 mm.) of II-h were immersed in aq. solns. of saffranine or methylene blue; the d. (bone-dry wood) of the samples were 0.58 (sp.), 0.32 (su.), 0.60 (sp.), 0.32 (su.), 0.60 (sp.), 0.5, and 0.5; the H<sub>2</sub>O content after 19 days' immersion 173, 75, 170, 106 (after 12 days), 213, and 195, and after 40 days 211, 85, —, —, and —. It is suggested that the I of II-h at right angles to the grain can be increased by treatment with solvent, or by softening or partially dissolving resinous substances in the wood. J. L. K.

YATSENKO-KHMELEVSKIY, A.A.; VIKHROVA, V.Ye.; GEYRYAN, M.S.; MOSEALEVA,  
V.Ye.; TAKHTADZHYAN, A.L., otvetstvennyy redaktor; SUVOROVA, L.D.,  
tekhnicheskiy redaktor.

[Principles and methods of investigating the structure of wood]  
Osnovy i metody anatomicheskogo issledovaniia drevesiny. Moskva,  
Izd-vo Akademii nauk SSSR, 1954. 337 p. [Microfilm] (MLRA 8:2)  
(Wood)

MOSKALEVA, V.Ye.; VIKHROV, V.Ye., doktor sel'skokhozyaystvennykh nauk,  
otvetstvennyy redaktor; KOPHOV, Ye.V., redaktor izdatel'stva;  
POLYAKOVA, T.V., tekhnicheskiy redaktor

[Structure of wood and its modification under physical and mechanical  
influences] Stroenie drevesiny i ego izmenenie pri fizicheskikh i  
mekhanicheskikh vozdeistviyakh. Moskva, Izd-vo Akad.nauk SSSR,  
1957. 164 p. (MLRA 10:8)  
(Wood)

Moskaleva, V.E.

U S S R .

✓The relation between wood technology and wood anatomy.  
V. E. Vakhov and V. E. Moskaleva. *Trudy Inst. Lesot.*  
*Akad. Nauk S.S.S.R.* ~~1957, 1958, 1959~~ --The relation be-  
tween the macroscopic, microscopic, and submicroscopic  
structure of wood and its phys. and mech. properties is  
reviewed, with particular reference to the width of growth  
rings, % summerwood, dimensions and vol. of the anatomical  
elements. Applications of the results of such studies are  
discussed. 57 references. John Lake Keays

KOSKALEVA, V. Ye.

Structure and the physical and mechanical properties of the Dahurian  
larch wood. Trudy Inst. lesa 45:136-144 '59. (MIRA 11:11)  
(Larch) (Wood)

BARDINSKAYA, M.S.; MOSKALEVA, V.Ye.

Plant Physiology: Some data on the structure of tracheid cells  
in the callus tissue of *Ginkgo biloba* L. Dokl. AN SSSR 135 no.1:  
207-209 N'60.  
(MIRA 13:11)

1. Institut fiziologii rasteniy im. K.A.Timiryazeva AN SSSR i  
Institut lesa i drevesingy Sibirskogo otdeleniya AN SSSR. Pred-  
stavleno akademikom A.L.Kursanovym.  
(Callus (Botany)) (*Ginkgo*)

MOSKALEVA, V.Ye.

Structrual changes in fossil pine wood. Dokl.AN SSSR 138 no.5:  
1220-1222 Je '61. (MIRA 14:6)

1. Predstavleno akademikom V.N.Sukachevym.  
(Pine, Fossil)



MOSKALEVA, V.Ye.; GONCHAROVA, Ye.V.

Investigation of the location of glycoloalkaloids in the tissues  
of *Solanum aviculare* Forst, by fluorescence microscopy. Bot.  
zhur. 48 no.8:1208-1210 Ag '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh  
i aromaticeskikh rasteniy, Moskva.

(Alkaloids) (Nightshade) (Fluorescence microscopy)

MUSKALEVA, Ye. A.

✓Scrubber for gases and vapors. D. A. Gurevich, A. P. Shestov, N. I. Vladimirov, A. S. Sel'uzec, and B. A. Moska-  
leva. U.S.S.R. 106,221, July 25, 1957. Gases and vapors  
contg. solid impurities or impurities likely to form solids in  
contact with liquids used for irrigation are scrubbed in a  
tower contg. plates provided with slots. Within the slots  
are installed knives mounted on rotating shafts. These  
prevent clogging of the slots and decrease the free space in  
the tower.  
M. Kisech

5

MOSKALEVA, Ye. A.

Apparatus for recovery of chloroform and carbon dioxide gas mixtures from the air of the laboratory and industrial plants etc.

(11)

KOKURICHEV, P.I., prof.; MIKHAYLOV, N.P., veterinarnyy vrach; KARPOV, V.P.;  
MOSKALEVA, Ye.G., veterinarnyy tekhnik; VOLKOVA, A.S., veterinarnyy  
tekhnik; MASHUKOV, M.I.

Selenium preparations in the prophylaxis of diseases in lambs  
and young pigs. Veterinariia 41 no.8:65-67 Ag '64.

(MIKA 18 4)

1. Leningradskiy veterinarnyy institut (for Kokurichev, Mikhailc.).
2. Glavnyy veterinarnyy vrach sovkhoza "Leninskiy Irkutskoy oblasti  
(for Moskaleva, Volkova). 4. Glavnyy zootekhnik sovkhoza "Le-  
ninskiy" Irkutskoy oblasti (for Mashukov).

*MOSKALEVICH, A.P.*

MOSEKALEVICH, A.P.; GOLUBENTSEV, A.N., redaktor; ASTAKHOV, A.V., redaktor;  
PROZOROVSKAYA, V.L., tekhnicheskii redaktor; ALADOVA, Ye.I., tekhnicheskii redaktor

[Electric engineering in mining] Gornaiia elektrotehnika. Moskva,  
Ugletekhzdat, 1954. 434 p. (MLRA B:4)  
(Electricity in mining)

NOSKALEVICH, A. F.

"Electric Power Rates and Method of Computing Cost of Electric Power Consumed in USSR Mines", Gornaya Elektrotehnika (Mine Electrical Engineering), Ugletekhizdat.

SO: Translation-W-51511, 14 Oct 1955.

MOSEKALEVICH, A.P.

Organizational work leads to improvements. Bezop.truda v pron.  
2 no.10:26-27 0 '58. (MIRA 11:11)

1. Nachal'nik Skopinsky rayonnoy gornotekhnicheskoy inspektzii  
Gosgortekhnadzora RSFSR.  
(Mine inspection)

~~MOSEKALOVICH~~, Vladimir Vladimirovich; VAYNSHTEYN, Boris Mikhaylovich;  
RASKOLIN, Viktor Georgiyevich; SOKULIN, Aleksey Igent'yevich  
KARAMYSHEV, I.A., inzhener, redaktor; BOBROVA, Ye.N., tekhnicheskij redaktor

[Building apartment houses of large silicate blocks; practices of the Road Construction and Road Planning Trusts of the Volga highway]  
Stroitel'stvo zhilykh domov iz krupnykh silikatnykh blokov; opyt Dorstroia i Dorproekta Privolzhskoi dorogi. Moskva, Gos.transp. zhel-dor. izd-vo, 1957. 31 p. (MLRA 10:9)  
(Apartment houses)



MOSKALEVSKIY, YU.

PA 2271

USSR/Aeronautics  
Landing Aids  
Flying, Instrument

Jul 1947

"Methods for Blind Landing," Yu. Moskalevskiy, 6 pp

"Vestnik Vozdushnogo Flota" No 7 (341)

The article discusses the GCA and the English equivalent, the SCS-51. It is in the "Foreign Aviation" section and makes reference to the Nov 1945 and the Aug 1946 issues of the "Electronics" magazine. One of the conclusions is that the GCA is much more expensive and more difficult to operate than the SCS-51. Well illustrated.

2271

RUDZKI, Edward; MOSKALEWSKA, Krystyna

Studies on the role of bacterial allergy in nodular changes of vascular etiology. *Przegl. dermat.* 49:119-121 162.

1. Z Kliniki Dermatologicznej AM w Warszawie Kierownik: prof. dr S. Jablonska.

(BACTERIA) (ALLERGY) (ERYTHEMA NODOSUM)  
(ERYTHEMA MULTIFORME) (STREPTOCOCCUS)

RUDZKI, Edward; DYNER, Eugenia; MOSKALEWSKA, Krystyna

Role of Escherichia coli sensitization in skin diseases.  
Przegl. dermat. 50 no.1:67-72 '63.

1. Z Kliniki Dermatologicznej AM w Warszawie Kierownik: prof.  
dr S. Jablonska Z Zakladu Mikrobiologii AM w Warszawie  
Kierownik: prof. dr E. Mikulaszek.  
(ESCHERICHIA COLI) (ALLERGY) (SKIN TESTS)

INDKI, Edward. MORAN, MSHA, ...

Immediate allegor: ...  
H-D 164

...  
(K ...)

RUIZKI, Edward; JUNGIRMAN, Dorota, BIASZCZYK, Maria; MOSKALEWSKA, Krystyna;  
MACIEJOWSKA, Iwa

Early allergy in repeated infections of rabbits with  
staphylococci. Med. dosw. mikrobiol. 16 no.1:45-50 '64.

1. Z Kliniki Dermatologicznej (Kierownik: prof. dr S. Jablonska)  
i z Zakładu Mikrobiologii (Kierownik: prof. dr P. Mikulaszek).

ALZKI, Edward; (1945-1980); (1945-1980); (1945-1980)

Deputy Chief of Mission, Moscow, U.S.S.R. (1971-1975)  
Chief of Mission, Moscow, U.S.S.R. (1975-1980)

... Z. K. ...  
(1945-1980)

RUDZKI, Edward; FILIPOWICZ-BANACHOWA, Alina; JUNGERMAN, Dorota; MACIEJOWSKA,  
Ewa; MOSEKALEWSKA, Krystyna; BLACZCZYK, Maria

Late allergy in repeated infections of rabbits with staphylococci.  
Med. dosw. mikrobiol. 16 no.1:51-54 '64.

1. Z Kliniki Dermatologicznej (Kierownik: prof. dr S. Jablonska);  
Z Kliniki Okulistycznej (Kierownik: prof. dr S. Altenberger  
[deceased]) i z Zakladu Mikrobiologii Lekarskiej (Kierownik: prof.  
dr E. Mikulaszek) Akademii Medycznej w Warszawie.

RUDKI, Edward; [illegible], [illegible]

Detection of infections of the skin - studies in the  
evaluation of the role of bacterial allergy in skin diseases.  
Przegl. dermat. 51 no. 4: 35-44. 1964

1. Z Kliniki Dermatologicznej Akademii Medycznej w Warszawie  
(Kierownik: prof. dr. S. Jablonska).





BUDEI, Edward, MOSKALEWSKA, Krystyna; MAJCHALSKA, Ewa

Allergic effect of pyogenic skin diseases. *Przem. dermat.*  
no.4:367-371. 11-Apr 1966.

1. 2 Kliniki Dermatologicznej AM w Warszawie. *Przem. dermat.*  
dr. J. Majchalska.

RUDZKI, Edward; MOSKALEWSKA, Krystyna

Skin reactions and exposure in the evaluation of the role of bacterial allergy in skin diseases. *Przegl. dermat.* 52 no.1:37-43 Ja-P'65.

1. Z Kliniki Dermatologicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. S. Jablonska).

EXCERPTA MEDICA Sec 16 Vol 7/5 Cancer May 59

1612. **A method for measuring thickness of fibroblast nuclei in tissue cultures** KAWIAK J. and MOSKALEWSKI S. Lab. of Histol. and Embryol., Sch. of Med., Warsaw, Poland *Bull. Acad. pol. Sci. Cl. 2* 1958, 6:4:145-149; Tables 1; Illus. 3  
A single cell in a hanging drop culture is chosen for measurement of nuclear thickness. It is photographed, then embedded in situ in methacrylate and sectioned perpendicular to the plane of the photograph. Thickness of the nucleus is determined with a Zeiss ocular micrometer. Sources of error are discussed and the overall error is calculated to be 7.4 and 4.8% for nuclei of 3 and 6  $\mu$ , respectively.  
Massey - Long Beach, Calif.

KAWIAK, J.; MOSKALEWSKI, S.

The effect of cutting on the dimensions of the nuclei of fibroblasts embedded in methacrylate. *Bul Ac Pol biol* 7 no.5:183-187 '59.  
(EEAI 9:7)

1. Laboratory of Histology and Embryology, School of Medicine,  
Warsaw. Presented by J.Zweibaum.

(CELLS)  
(FIBROBLASTS)  
(METHACRYLATE)

OSTROWSKI, K.; MOSKALEWSKI, S.

On osteogenetic properties of urinary bladder mucosa cultured in vitro. *Bul Ac Pol biol* 7 no.12:513-516 '59. (EEAI 9:12)

1. Laboratory of Experimental Pathology, Polish Academy of Sciences and Laboratory of Histology and Embryology, School of Medicine, Warsaw. Presented by L.Paszkiewicz.  
(BLADDER) (MUCOUS MEMBRANE)

MOSKALEWSKI, S.

Viability of parathyroid grafts in relation to the interval since the death of the donor. *Bul Ac Pol biol* 9 no.12:507-510 '61.

1. Department of Histology and Embryology, School of Medicine, Warsaw. Presented by L. Paszkiewicz.

\*

OSTROWSKI, Kazimierz, do. dr. med.; MOSKALEWSKI, Stanislaw; ZAKLUBOWICZ, J.

Attempts of finding the factor responsible for the osteogenesis induced by the transitional epithelium; a preliminary note. *Polia morphologica* 12 no. 4:249-256 '61.

1. Zaklad Histologii i Imbriologii, Akademia Medyczna, Warszawa Kierownik Zakladu: doc. dr. med. K. Ostrowski i Zaklad Chirurgii i Operacyjnej Polska Akademia Nauk, Warszawa Kierownik Zakladu: doc. dr. med. J. Niclubowicz.



MOSKALEWSKI, S.; CIESLA, Z.

Comparative study of nonspecific phosphatases and esterases in the kidneys of rabbits and hamsters. Folia biol 10 no.3/4:295-305 '62.

1. Department of Histology and Embryology, School of Medicine, Warsaw. Head: K. Ostrowski, M.D.

\*

OSTROWSKI, K., prof.; CZERSKI, P.; MOSKALEWSKI, S.; ZAKIEWICZ, M.

Quantitative investigations on myelopoiesis in induced bone in dogs.  
Folia morphol 21 no.4:523-530 '62.

1. Institute of Histology and Embryology, Medical School, Warsaw,  
Head: Associate Prof. K. Ostrowski, and Institute of Experimental  
Surgery, Polish Academy of Sciences, Warsaw, Head: Prof. J.  
Nielubowicz.

\*

MOSKALEWSKI, S.

Studies on the osteogenetic properties of uncultured and cultured gallbladder epithelium. Bul Ac Pol biol 11 no.6: 297-301 '63.

Studies on the osteogenetic properties of uncultured and cultured isolated cells of the transitional epithelium. 303-307.

Department of Histology and Embryology, School of Medicine, Warsaw. Presented by L. Paszkiewicz.

OSTROWSKI, Z.; MOSKALEWSKI, S.; RUMATOWSKI, W.; LOJEK, I.

Organization and activities of the Central Tissue Bank. Pol.  
tyg. lek. 20 no.40:1494-1496 4 Q '65.

1. Z Komisji Konserwacji Tkanki Polskiej Akademii Nauk i z  
Zakładu Histologii i Embriologii AM w Warszawie (Kierownik:  
prof. dr. med. Kazimierz Ostrowski) oraz z Pracowni Konser-  
wacji Tkanki 2 Centralnego Szpitala Klinicznego Wojskowej AM.

PSA

130

**Model of Decentralised Production**

Zdecentrovani proizvodstva  
No. 11-12, 1961, pp. 102-103, 110

The role of raw material stores in the process of the course which raw materials have to go through of their having to be put through preliminary processing stages of decentralising raw material stores in which they are subjected to preliminary processing, thus converting the stores into an active role in stages of decentralised production in an electric cable works. Instance of decentralised production stores containing raw materials for a large and a small rubber goods factory

MOSKALEWSKI, Tadeusz, mgr. inż.

Tin should be approved. [illegible]

SECRET

CONFIDENTIAL

TOP SECRET

MOSKATSKI, Ladislaw, mgr. H.A.

On 10/10/48 a letter was received from the  
L.A. office.



MOSKALEWSKI, Tadeusz, mgr inż.

Plastics in the construction of machinery and equipment.  
Przegl mech 21 no.15:468-471 10 Ag '62.

1. Komisja Planowania przy Radzie Ministrow, Warszawa.

MOSKALEWSKI, Tadeusz, mgr inż.

Corrosion resistance of plastics. Przegl mech 21 no.17:530-533  
10 S '62.

1. Komisja Planowania przy Radzie Ministrow, Warszawa.

MOSKALEWSKI, Tadeusz, mgr., inż.

Scientific - technical conference "Saving and replacement of  
nonferrous metals by synthetic materials; Warsaw, October 12-13,  
1961. Przegl elektrotechn 38 no.2:68-69 '62.

MOSKALEWSKI, T., mgr inż.

The problem of economizing steel. Przegl techn no.39:3 30 S  
162.

MOSKALEWSKI, Tadeusz, mgr inż.

Production of cables in aluminum coating. Wiad elektrotechn  
32 no.3:70-72 Mr'64.

MOSKALEWSKI, Tadeusz, mgr inż.

Placing and assembling of cables in aluminum coatings. Wiad  
elektrotechn 33 [i.e. 32 ] no.4:105-107 3p '64

BARASHKOV, S.G.; MOSKALIK, Ye.K.; DENISOVA, L.I.

Soluble prontosil album. Med.prom. no.1:7-10 Ja-Kr '55. (MLRA 8:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze.

(SULFANILAMIDE,  
pharmacol.)

BARASHKOV, S.G.; MOSEALIK, Ye.K.

To the editors of "Meditsinskiaia promyshlennost' SSSR." Med.prom.  
no.3:48 J1-S '55. (MLRA 9:12)  
(SULFANILAMIDE)



L 41024-65

ACCESSION NR: AP5008582

S/0286/65/000/006/0130/0130

AUTHORS: Mikhalev, V. A.; Vlasov, A. S.; Dorokhova, M. I.; Moskalik, Ya. K.; <sup>B</sup>  
Smolina, N. Ye.; Tikhonova, O. Ya.; Shagalov, L. B.

TITLE: A method of preparing 3,4-bis-(n)-diethylaminoethoxy-(phenyl)-hexane.  
Class 30, No. 152540

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 130

TOPIC TAGS: hexane, chloride, pharmacology

ABSTRACT: This Author Certificate presents a method of producing 3,4-bis-(n)-diethylaminoethoxy-(phenyl)-hexane by interaction between synestrol and diethylaminoethyl chloride in alcohol in the presence of alkali agents with subsequent distillation of the alcohol, addition of water, and extraction by an organic solvent such as ether. In order to increase the yield of the desired product and to suppress the by-products of the reaction, diethylaminoethyl chloride and the alkali agent are introduced gradually, in several doses, either in solid form or in alcohol solutions. Production of the pharmaceutical preparation is effected by widely accepted methods. In order to reduce danger and to facilitate

Card 1/2

L 41024-65  
ACCESSION NR: AP5008582

the process, a diethylaminoethyl chloride salt is used, such as chlorhydrate. The process is also facilitated and simplified by using caustic potash or caustic soda as the alkali agent. To prevent excessive dilution of the reaction mass, the excess solvent is distilled simultaneously with introduction of the alcohol solutions of the reaction products. For all the synestrol to react, 150-170% of the theoretically computed diethylaminoethyl chloride required is used.

ASSOCIATION: none

SUBMITTED: 13Nov61

ENCL: 00

SUB CODE: 00, 18

NO REF SOV: 000

OTHER: 000

*llc*  
Card 2/2

NEKRASOV, Z.I., akademik; MOSKALINA, F.M., inzh.

Gas composition in the hearth of a blast furnace operating on  
natural gas and an ordinary blow. Stal' 22 no.9:773-776 S  
'62. (MIRA 15:11)

1. AN UkrSSR.

(Blast furnaces) (Gases--Analysis)

AID P - 4046

Subject : USSR/Power

Card 1/1 Pub. 26 - 4/33

Author : Moskal'kov, B. A., Eng.

Title : Mounting and operation of M2 hydraulic ejectors in ash-removal installations.

Periodical : Elek. sta., 12, 10-16, 1955

Abstract : The present design of hydraulic ejectors is criticized and the operation is discussed in detail. A new, improved design with water washing and scouring the ducts is explained. Five diagrams.

Institution : None

Submitted : No date

TITKOV, V.I.; BELINSKIY, M.L.; BUNCHUK, V.A.; BUT, P.P.; VINOGRADOV, A.F.;  
KOFMAN, S.R.; KUKUSHKINA, R.H.; MATSKIN, L.A.; MOSKAL'KOV, I.I.;  
MISHIN, B.V.; MADEZHDIK, M.D.; OLENEV, N.M.; ROZEN, S.W.; KUVKINA,  
vedushchiy red.; TROPIMOV, A.V., tekhn.red.

[Handbook on oil tank equipment] Spravochnik po oborudovaniyu  
neftebaz. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi  
lit-ry, 1959. 463 p. (MIRA 12:12)  
(Petroleum--Storage)

*Имена*  
SKOCHINSKIY, A.A.; TERPIGOREV, A.M.; SHEVTAKOV, L.D., SERGEYEV, A.A.;  
ZAKHAROV, P.A.; USKOV, S.I.; AGOSTKOV, M.I.; MEL'NIKOV, N.V.;  
BRONNIKOV, D.M.; YENIKHEYEV, N.B.; PROTOPOPOV, D.D.; SUDOPLATOV,  
A.P.; BARON, L.I.; MAN'KOVSKIY, G.I.; NAZARCHIK, A.F.; TERPOGOSOV,  
Z.A.; BARSUKOV, F.A.; POMORTSEV, A.D.; DEMIDYUK, G.P.; MOLCHAROV,  
P.V.; MAKSIMOVA, Ye.P., GRIBIN, A.A.; BARONENKOV, A.V.; SINDAROVSKIY,  
N.S.; BOGOMOLOV, V.I.; KHODOV, L.V.; MOSKAL'KOV, Ye.F.; GONCHAROV,  
T.I.

Aleksandr Vasil'evich Kovazhenkov; obituary. Bezop. truda v prom.  
1 no.12:35 D '57. (MIRA 12:3)  
(Kovazhenkov, Aleksandr Vasil'evich, 1906-1957)

SKOCHINSKIY, A.A.; TERPIGOREV, A.M.; SHEVYAKOV, L.D.; AGOSHKOV, M.I.;  
MEL'NIKOV, N.V.; BRONNIKOV, D.M.; YEHIKETEV, N.B.; NAZARCHIK, A.F.;  
TERPOGOSOV, Z.A.; BARSUKOV, F.A.; SERGEYEV, A.A.; PROPOPOV, D.D.;  
SUDOPLATOV, A.P.; BARON, L.I.; MAH'KOVSKIY, G.I.; POMORTSEV, A.D.;  
DEMIDYUK, G.P.; KAPITANOV, T.V.; MOLCHANOV, P.V.; MAKSIMOVA, Ye.P.;  
GRIBIN, A.A.; BARONENKOV, A.V.; SINDAROVSKIY, N.S.; BOGOMOLOV, V.I.;  
KHODOV, L.V.; MOSKAL'KOV, Ye.F.

Aleksandr Vasil'evich Kovazhenikov; an obituary. Gor. zhur. no.12:  
72 D '57. (MIRA 11:1)

(Kovazhenkov, Aleksandr Vasil'evich, d. 1957)

KAPLUNOV, R.P., prof., doktor tekhn.nauk.; MOSEKAL'KOV, Ye.F., inzh.;  
BREYTER, L.S., inzh.; DMITRIYEV, A.P., inzh.

Determining working motion parameters for a jet piercing machine  
and type of its design for use as bore with thermal piercing.  
Nauch. dokl. vys. shkoly; gor. delo no.3:209-218 '58. (MIRA 11:9)

1. Predstavlena kafedroy razrabotki rudnykh mestorozhdeniy  
Moskovskogo gornogo instituta im. I.V. Stalina.  
(Boring machinery)



MOSKAL'KOV, Ye.F.

Building mines and ore-dressing plants is an important task for  
the national economy. Shakt.stroi. no.12:1-3 ' 58. (MIRA 11:12)

1. Gosplan SSSR.  
(Mining engineering) (Ore dressing)

KOROBOV, P.I.; KHLERIKOV, V.F.; KOSOV, A.F.; STUCHINSKIY, A.A.; SHVYAKOV,  
 L.D.; KALININ, N.N.; KALISNIK, N.M.; KOSHELIKOV, Ye.F.; POKROVSKIY,  
 M.A.; KURBANOV, M.I.; LOGUNOV, N.P.; ANTONOV, S.B.; BOYKO, V.Ye.;  
 BUKHARA, M.; FADDOV, Y.F.; AGONOV, S.I.; KARAVAYEV, A.V.; YERONIA,  
 L.M.; IPATOV, P.M.; KAZANOV, P.P.; SEMENOV, O.; SEMENOV, M.B.;  
 LABINOVICH, V.I.; KOSVSKIY, V.H.; TROTSKIY, A.S.; KLEBEN, Ya.A.;  
 DZEMPARIDZE, Ye.A.; KUMAVLAK, S.P.; KUZNETSOV, S.I.; KALNICH, M.A.;  
 KALININ, M.P.; KALININ, G.P.; KALININ, P.S.; POKROV, M.A.; KOSOV,  
 A.F.; KASNOV, M.A.; SUDOV, O.G.; VIKTOROV, V.S.; ZUBANOV, S.N.;  
 SHAFARUKO, I.P.

Nikolai Nikolaevich Patrikeev, 1890-1960. Mor.Skur. no.6:76 Je  
 160.

(Patrikeev, Nikol i Nikolaevich, 1890-1960)

PHASE I BOOK EXPLOITATION

SOV/5474

Terpigorev, A. M., Academician [deceased], Chairman of the Editorial Board, R. P. Kaplunov, Professor, Doctor of Technical Sciences, Deputy Chairman of the Editorial Board, Ye. F. Moskal'kov, Mining Engineer, V. V. Nedin, Professor, Doctor of Technical Sciences, Yu. V. Seledkov, Mining Engineer, O. O. Sosedov, Mining Engineer, and L. Ya. Tarasov, Mining Engineer.

Spravochnik po gornorudnomu delu. t. 2: Podzemnyye raboty (Ore-Mining Industry Handbook. v. 2: Underground Operations) Moscow, Gosgortekhnizdat, 1961. 855 p. Errata slip inserted. 12,000 copies printed.

Scientific Eds. (Title page): A. M. Terpigorev, Academician, and R. P. Kaplunov, Professor, Doctor of Technical Sciences; Resp. Ed.; L. Ya. Tarasov; Eds. of Publishing House: M. M. Smirenskiy, and V. N. Partsevskiy; Tech. Ed.: V. L. Prozorovskaya, and M. A. Kondrat'yeva.

Card 1/18

Ore-Mining Industry (Cont.)

SOV/5474

**PURPOSE:** This handbook is intended for mining engineers and skilled personnel of the mining industry.

**COVERAGE:** Volume II of the handbook reviews various methods of underground mining and analyzes the basic principles underlying different types of ore mining operations. Parts I, VI, IX XI, and XV of this volume were written by L. Ya. Tarasov, Mining Engineer, L. Ye. Egel', Geological Engineer, also participated in writing Part I. Part II was written by A. M. Bybochkin, Candidate of Geological and Mining Sciences; Part III by D. N. Ogloblin, Professor, Doctor of Technical Sciences, and M. G. Papazov, Candidate of Technical Sciences; Parts IV, V, and X were written by R. P. Kaplunov, Professor, Doctor of Technical Sciences; Part VII by V. V. Nedin, Professor, Doctor of Technical Sciences, and by Sh. I. Ibrayev, Docent, Candidate of Technical Sciences; Part VIII by N. N. Polyakov, Docent, Candidate of Technical Sciences (deceased) and by M. B. Udalkin, Mining Engineer; Part IX by A. M. Alyamskiy, Docent, Candidate

Card 2/18

MOSKAL'KOV, Ye.F., gornyy inzh.

Problems and growth prospects of the iron-ore industry.  
Gor. zhur. no.12:3-4 D '61. (MIRA 15:2)

1. Gosplan SSSR.  
(Iron mines and mining)

KAPLUNOV, R.P.; MOSKAL'KOV, Ye.F.; ROSSMIT, A.F.

Further technical progress in ore dressing in ferrous metallurgy.  
Gor. zhur no.4:3-7 Ap '63. (MIRA 16:4)  
(Mining engineering) (Ore dressing)

PLYASKIN, Ivan Ivanovich, kand. tekhn. nauk; MOSKAL'KOV, Ye.F.,  
gorn. inzh., retsenzent; KADYRBAYEV, R.A., gor. inzh.,  
retsenzent;

[Organization of stripping operations at the Sokolovka-  
Sarbay open pit mines] Organizatsiia vskryshnykh rabot  
na Sokolovskom i Sarbaiskom kar'erakh. Moskva, Izd-vo  
"Nedra," 1964. 134 p. (MIRA 17:7)

ARSENT'YEV, Aleksandr Ivanovich; VINOGRADOV, Vladimir Samoylovich;  
DZYUBENKO, Mikhail Grigor'yevich; YESHCHENKO, Aleksey  
Andreyevich; KALYAKIN, Viktor Vasil'yevich; KARMAZIN,  
Vitaliy Ivanovich; KISELEV, Vyacheslav Mikhaylovich;  
KULIKOV Vladimir Vasil'yevich; MELESHKIN, Sergey Mikhaylovich;  
SINARENKO, Aleksandr Ivanovich; KHIVRENKO, Akim Foteyevich;  
SHKUTA, Eduard Ivanovich; SHOSTAK, Afonasiy Grigor'yevich;  
MOSKAL'KOV, Yevgeniy Fedorovich, retsenzent; SOSEDOV, Orest  
Orestovich, retsenzent; ROSS'IT, Aleksandr Filippovich, otv.  
red.; SUROVA, V.A., red.izd-va; LAVRENT'YEVA, L.G., tekhn. red.

[Overall development of an iron-ore basin] Kompleksnoe razvitie  
zhelezorudnogo basseina. [By] A.I.Arsent'yev i dr. Moskva, Izd-  
vo "Nedra," 1964. 293 p. (MIRA 17:3)





15-1957-10-14148

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,  
p 125

AUTHORS: Moskal'kova, E. A., Tolmachev, Yu. M.

TITLE: The Separation of Scandium From the Rare Earths and Zirconium (Otdeleniye skandiya ot redkozemel'nykh elementov i tsirkoniya)

PERIODICAL: Tr. Radiyev. in-ta. AN SSSR, 1957, vol 7, pp 141-143

ABSTRACT: A method has been developed for the separation of Sc from the rare-earth elements and from Zr, based on the high solubility of  $(\text{NH}_4)_3\text{ScF}_6$  and the insolubility of fluorides of the rare earths in a solution of ammonium fluoride. Zr is subsequently separated as a phosphate. The following is a resumé of the method. To a solution containing rare earths, Zr, and Sc, a five-fold multiple of dry  $\text{NH}_4\text{F}$  is added (depending on the sum of the elements). The resulting acid is neutralized with ammonia until it has a slight odor. The solution with the precipitated sediments is heated to  $60^\circ$ . The sediment is

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15-1957-10-14148

The Separation of Scandium From the Rare Earths and Zirconium

centrifuged and washed in a 5% solution of ammonium fluoride. The washing water is added to the filtrate and is treated in a platinum with a 30% solution of KOH. The solution with the alkali is then heated to boiling. Sc and Zr, having been precipitated as hydrates, are filtered off, washed in hot water, and dissolved in a 15% solution of  $H_2SO_4$ . Freshly prepared doubly decomposing ammonium phosphate is added to the resulting solution in order to precipitate the Zr. Sc remains in the filtrate, from which it is precipitated as a hydrate by alkali. The  $Sc(OH)_3$  sediment is filtered off, carefully washed from the  $PO_4^{3-}$ , and dissolved in a small quantity of 2 normal HCl (no more than is necessary to dissolve it). It is then diluted with water to such a volume that the acid concentration is 0.3 normal; and the Sc is precipitated from the solution by oxalic acid. The Sc oxalate thus obtained is centrifuged, washed in a 0.1% solution of oxalic acid, and roasted to form an oxide.

K. N. Ryabicheva

Card 2/2

VDOVENKO, V.M.; KOVALEVA, T.V.; KOSEAL'KOVA, E.A.

Determining the solubility of the uranyl nitrate in diethyl  
ether. Report No.2. Trudy Radiev.inst.AN SSSR. 8:17-21  
'58. (MIRA 12:2)

(Uranyl nitrate) (Ethyl ether)

PHASE I BOOK EXPLOITATION

SOV/4853

Akademiya nauk SSSR. Radiyevyy institut.

Radiokhimicheskiy analiz produktov deleniya; sbornik statey  
(Radiochemical Analysis of Fission Products; Collection of  
Articles) Moscow, Izdatel'stvo Akademii nauk SSSR, 1960.  
134 p. Errata slip inserted. 6,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Radiyevyy institut imeni  
V. G. Khlopina.

Ed.: Yu. M. Tolmachev, Prof., Doctor of Chemical Sciences

PURPOSE: This collection of articles is intended for persons con-  
cerned with the radiochemical analysis of radioactive isotopes.

COVERAGE: The series of studies contained in this collection were  
carried out at the Radiyevyy institut imeni V. G. Khlopina AN  
SSSR (Radium Institute imeni V. G. Khlopin AS USSR). They are

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## Radiochemical Analysis (Cont.)

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concerned with the determination of fission yields during the splitting of  $U^{235}$ ,  $U^{238}$ , and  $Pu^{239}$  into 14-Mev neutrons and fission neutrons. Individual studies deal with radiochemical methods of separation and purification of the following fission products:  $Sr^{89}$ ,  $Sr^{90}$ ,  $Zr^{95}$ ,  $Zr^{97}$ ,  $Mo^{99}$ ,  $Mo^{101}$ ,  $Mo^{102}$ ,  $Ru^{103}$ ,  $Ru^{106}$ ,  $Pd^{112}$ ,  $Ag^{111}$ ,  $Cd^{115}$ ,  $Sb^{125}$ ,  $Te^{132}$ ,  $J^{132}$ ,  $Ba^{139}$ ,  $Ba^{140}$ , and  $La^{140}$ , as well as of the following isotopes:  $Ca^{45}$ ,  $Co^{55}$ ,  $As^{74}$ ,  $Au^{196}$ ,  $Au^{198}$ ,  $Tl^{202}$ ,  $Tl^{204}$ ,  $Po^{210}$ , and  $U^{237}$ . The separation and quantitative determination of most isotopes were based on the isotope dilution method. The chemical operations for each of the isotopes were carried out at time intervals that depended on the radioactive transformation of the isotopes. No personalities are mentioned. References accompany individual articles.

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Tolmachev, Yu. M. On the Radiochemical Method for the Determination of Fission Yields

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Radiochemical Analysis (Cont.)

SOV/4853

Abramova, L. I., N. I. Blinova, D. M. Ziv, and  
V. N. Ushatskiy. Radiochemical Method for the  
Determination of Au<sup>196</sup> and Au<sup>198</sup>

122

Moskal'kova, E. A., and L. P. Chernysheva. Radiochemical  
Determination of Isotopes Tl<sup>202</sup> and Tl<sup>204</sup>

125

Il'inskiy, T. A., and V. M. Solntsev. Spectrophotometric  
and Colorimetric Determination of Ruthenium

129

Tolmachev, Yu. M. Dilution of Small Quantities of  
Plutonium Dioxide

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AVAILABLE: Library of Congress (QD601.A58)

~~Card~~ 6/6

JA/dwm/os  
3/22/61

21817

S/081/61/000/011/009/040  
B105/B20321. 4%

AUTHORS: Moskal'kova, E. A., Popov, D. K., Tolmachev, Yu. M.

TITLE: Separation and purification of radioactive zirconium radioisotopes

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 11, 1961. 49. abstract 116349 (Radiokhim. analiz produktov deleniya. M-L., AN SSSR, 1960, 58-62)

TEXT:  $\text{LaF}_3$  is twice precipitated from the solution to be analyzed which contains the carrier Zr and the 44% HF (3ml). The precipitate is separated, and the  $\text{BaZrF}_6$  is precipitated from the solution by means of saturated  $\text{Ba}(\text{NO}_3)_2$  solution. The precipitate is centrifuged, washed with 0.5% HF and water, and dissolved by successive addition of 5 ml of 5%  $\text{H}_3\text{BO}_3$  solution, 10 ml of water, and 3 ml of concentrated  $\text{HNO}_3$ .  $\text{BaSO}_4$  is precipitated by means of 5%  $\text{H}_2\text{SO}_4$  from the solution heated to boiling. X

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24817

S/081/61/000/011/009/040  
B105/B203

J

Separation and purification of ...

The solution with the precipitate is heated for 10 min, then cooled down, and the  $\text{BaSO}_4$  precipitate is separated out and washed out by means of 0.1%  $\text{H}_2\text{SO}_4$ . The  $\text{Zr}(\text{OH})_4$  is precipitated from the filtrate by a 30% KOH solution. The precipitate is centrifuged, washed by means of 1%  $\text{KNO}_3$  solution, and dissolved in a minimum quantity of concentrated HCl. The  $\text{Zr}(\text{OH})_4$  is precipitated once more, and after its dissolution in concentrated HCl, the solution is diluted to 1 N concentration of HCl. The phenyl arsonate of Zr (I) is precipitated out of the solution obtained by adding 5 ml of the 10% solution of phenyl arsonic acid to 6 N HCl. The sediment (I) is separated out, washed out by means of 1 N HCl (containing 0.1% phenyl arsonic acid), and treated with 5 ml of 10% NaOH solution. The  $\text{Zr}(\text{OH})_4$  precipitated is centrifuged, washed by means of 0.5% NaOH solution, dissolved in concentrated HCl, and the separation of (I) and its conversion  $\text{Zr}(\text{OH})_4$  are repeated. The latter is dissolved in 6 N  $\text{HNO}_3$  by adding 3 ml of 44% HF in 5 mg La. The  $\text{LaF}_3$  precipitated is separated out and washed

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S/081/61/000/011/009/040  
B105/B203

Separation and purification of ...

out in 0.5% HF. Subsequently, the  $\text{BaZrF}_6$  is twice precipitated, and treated as described above. The  $\text{Zr}(\text{OH})_4$  is dissolved in concentrated HCl, and the precipitation and treatment of (I) by conversion to  $\text{Zr}(\text{OH})_4$  is repeated. The latter is reprecipitated by means of the 10%  $\text{NH}_4\text{OH}$  solution, centrifuged, annealed to  $\text{ZrO}_2$  (1000-1100°C), and its activity measured. The chemical yield is 65-70%. The factor of purification from Nb is  $\sim 3.0 \cdot 10^5$ , that from the total of fission fragments is  $\sim 10^7$ . The method described for precipitating  $\text{BaZrF}_6$  is suited for determining the activity of Ba. In this case, the previous precipitation of  $\text{LaF}_3$  is omitted to prevent a capture of radioactive Ba from the solution by  $\text{LaF}_3$ . [Abstracter's note: Complete translation.]

Card 3/3

PETRZHAK, K.A.; TOLMACHEV, G.M.; USHATSKIY, V.N.; BAK, M.A.;  
BLIMOVA, N.I.; BUGORKOV, S.S.; MOSKAL'KOVA, E.A.; OSIPOVA,  
V.V.; PETROV, Yu.G.; SOROKINA, A.V.; CHERNYSHEVA, L.P.;  
SHIRYAYEVA, L.V.

[Yields of certain fragments in  $U^{235}$ ,  $U^{238}$ , and  $Pu^{239}$  fis-  
sion by neutrons] Vykhody nekotorykh oskolkov pri delenii  $U^{235}$ ,  
 $U^{238}$  i  $Pu^{239}$  neutronami deleniia. Moskva, Glav. upr. po is-  
pol'zovaniiu atomnoi energii, 1960. 14 p. (MIRA 17:2)

11020412001135330005-0

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B/00/B/00

AUTHORS:

Petrzhuk, E. A., Tolmachev, G. M., Zubatkiy, V. B.,  
M. A., Blinova, E. I., Bugorkov, S. S., Moskal'kova, E. A.,  
Ushova, V. B., Petrov, Yu. G., Sorokina, K. V.,  
Chernysheva, L. P., Shiryayeva, L. B.

TITLE:

Yields of new fragments in the fission of  $U^{235}$ ,  $U^{238}$  and  
 $Pu^{239}$  by fission neutrons

SOURCE:

Krupchitskiy, P. A., ed. Neutronnaya fizika, sterak statey  
Moscow, 1961, 217-223

TEXT. The authors determined the yield of  $Sr^{90}$ ,  $Zr^{95}$ ,  $Mo^{99}$ ,  $Ag^{110}$ ,  $Te^{132}$ ,  
and  $Ba^{140}$  in the fission of  $U^{235}$ ,  $U^{238}$ , and  $Pu^{239}$  by fission neutrons. A  
 $U^{235}$ -enriched uranium plate arranged in the thermal column of a heavy water  
reactor of the A3 USSR served as neutron source. 500-mg tablets and 1 mg  
targets were produced from each substance to be fissioned. The fission  
events were recorded in a fission chamber during the entire irradiation  
period (Fig. 1). The fission fragment yields were determined from their  
Card 1/A

Yields of fission fragments in

SiO<sub>2</sub>/BaO/CO<sub>2</sub>/...  
SiO<sub>2</sub>/BaO

β-activity. The absolute β-activity was measured by two standard instruments with end window counters. These standard instruments were calibrated with preparations of the fission fragments to be studied which had been applied to a polycellium film. The absolute β-activity of the standard preparations was determined either with a 4π counter or with an end window counter having window thickness of 0.60 μm. In eight measurements were made in three to four tablets of... The determination error of the fragment yield was between 1 and 10%. The fragment yield is found to depend on the isotope mass number. There are 13 tables and 7 references. 3 Soviet and 4 non-Soviet. The references to English-language publications read as follows:  
 B. Klemm, D. Hevey, T. Schoyer, D. Rademacher, *Studien über die Fission*, Book 3, div. IV, vol. 9, 134 (1951); *Handbuch der Physik*, The Fission Products, Book 3, div. IV, vol. 9, Appendix 2, 134 (1951); Feller R., Steinberg E., Clement L., Frye, *Rev. 34*, 4, 1951; Sukkevich A., Niday J., Frye, *Rev. 04*, 1, 52, 1951.

Card 2/6 12

MOSKAL'KOVA, L. I.

Feeding habits and distribution of the goby *Knipowitschia longicaudata* (Kessler) in Taganrog Gulf. Vop. ikht. 2 no.3: 492-505 '62. (MIRA 15:10)

1. Institut morfologii zhivotnykh AN SSSR, Moskva.

(Taganrog Gulf--Gobies) (Fishes--Food)



S/004/63/000/001/001/002  
D205/D307

AUTHOR:

Moskalov, Ye.

TITLE:

With autopilot on water

PERIODICAL:

Znaniye-sila, no. 1, 1963, 22-23

TEXT:

A popular account is given of the principles of self-stabilization of the hydrofoil of the 'Raketa' type, concluding that the underwater vanes should be submerged to a depth not greater than half their length. Similarities and differences between hydrofoils and aeroplanes are discussed. There are 8 figures. ✓

Card 1/1

MURAI, T.

Determining the halogen content of hydrocarbons in air. . . .  
Vol 11, no. 11 Nov. 1955. . . . Krakow, Poland.

So: Eastern European Accession. Vol. 5, no. 4, April 56

MOSKALOWSKA, M.

7  
4

V 917. Determination of halogen derivatives of Hydrocarbons in air. M. Moskalowski. *Napfa* (Krakow), 1953, II, 255-7.  
The ~~earliest~~ desaxing process involves the use of dichloroethane. To detect this in air a recording apparatus was ordered but had not arrived, so the Medical Institute of Labour in Lodz perfected Elkins' method; later the author and A. Szezarkowski developed a method by which dichloroethane (or any other halogenated hydrocarbon) dissolved in ethyl alcohol is burned and liberated Cl<sub>2</sub> is reduced to HCl by arsenious acid and detected by AgNO<sub>3</sub>. Details of apparatus are given with drawings. M.S.

Elkins

RM  
WTT

USSR/Chemical Technology. Chemical Products and Their Application -- Silicates.  
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5315

Author: Moskaltsov, I. P.

Institution: Tashkent Institute of Railroad Transport

Title: Concerning the Utilization of Desert-Dune Sand in Concrete

Original  
Publication: Tr. Tashkentsk. in-ta zh.-d. transp., 1956, No 5, 234-240

Abstract: On addition to the very finely granulated desert dune sand, having a grain-size modulus of 0.72 and a specific surface of  $302 \text{ cm}^2/\text{gram}$ , of coarse grained natural sand or artificial sands (limestone sand, brick sand), and using high grade cement it is possible to make conventional and hydraulic works concretes of grades 140-200, with a relatively low expenditure of cement ( $235-325 \text{ kg/m}^3$ ).

Card 1/1

MOSKAL'TSOV, Yu.V., inzh. (Leningrad)

A new type of intakes. Vod. i san. tekhn. no.7:10-13 J1 '62.  
(MIRA 15:9)

(Intakes (Hydraulic engineering))

MOSKALYUK, A. A.

Experimental data on the genesis of the lead mineralization. N. I. Khitarov and A. A. Moskaluk. *Sov. Geol. Zhurn.* 43, 129-33 (1966). The complex of fluid inclusions in galena and the stability of this mineral in chloride solutions at room temps. (15-20°) and atm. pressure and also at higher temps. (200-500°) is studied. The increasing complexity of the sol. is found to increase the soly. of  $PbCl_2$ . It is found also that at 40° and 120 atm. pressure, the transfer of the metal cat. proceed in the gaseous phase in the form of Cl, S, and Pb complexes. At lower pressures these complexes are destroyed and Pb pptn. as  $PbS$ .  
A. Valberth

fra

amb

16(1),3(1),24

AUTHORS: Shevelo, V., Learned Secretary of the SOV/41-11-3-15/16  
OFMN AS Ukr SSR, and ~~Moekaiyuk, A.~~  
Scientific Worker-Consultant

TITLE: Plenary Meeting of the Section of the Physical-Mathematical  
Sciences of the Academy of Sciences of the Ukrainian SSR

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, 1959, Vol 11, Nr 3,  
pp 336-338 (USSR)

ABSTRACT: For the coordination of the problems of research in the sense  
of the XXI<sup>st</sup> Party Conference, on April 22-24, 1959 a plenary  
meeting of the section of the physical-mathematical sciences of  
the Academy of Sciences of the Ukr. SSR took place. There were  
160 participators, members of the Academy, collaborators of the  
section, representatives of the high schools and factories. The  
following questions were discussed:

1. Problems of research (V.N. Gridnev, corresponding member AS  
Ukr SSR)
2. Investigations on numerical mathematics and calculating  
technics (B.N. Malinovskiy)
3. Analytical methods of the quantum field theory (O.S. Parasyuk,  
corresponding member)

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Plenary Meeting of the Section of the Physical-  
Mathematical Sciences of the Academy of Sciences  
of the Ukrainian SSR

SOV/41-11-3-15/16

4. Investigations on probability theory and statistics (B.V Gnedenko, Academician)
5. Theory of electronic processes in dielectrics and semi-conductors (S.I. Pekar)
6. Metal physical investigations and vacuum methods (V. Ye Ivanov)
7. Investigations of radio astronomy (S. Ya. Braude, corresponding member)
8. Solar investigations in the GAO AS Ukr SSR (Ye. A. Gurtovenko)
9. Investigations during the geophysical year in the Poltava Gravimetric Observatory (Z. N. Aksent'yeva, corresponding member AS Ukr SSR)
10. Prospects of the research in 1959-1965.

The academicians N. P. Barabashov, A. G. Gol'dman, A. P. Komar, D. G. Lazarev, and I. Z. Shtokalo, and the corresponding members Z. N. Aksent'yeva, A. I. Akhiezer, Yu. A. Mitropol'skiy, N. D. Morgulis, M. V. Pasechnik, A. Ya. Usikov, and A. A. Yakovkin had a share in the discussion.

The meeting passed a series of resolutions, especially the

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12

Plenary Meeting of the Section of the Physical-  
Mathematical Sciences of the Academy of Sciences  
of the Ukrainian SSR

SOV/41-11-3-15/16

following domains shall be the most important fields of research:  
Nuclear physics, accelerators of charged particles, physics of  
the rigid body, physics of semiconductors, physics of low  
temperatures, radio physics and electronics, radio astronomy,  
numerical mathematics and computing technics, mathematical  
physics, theory of probability, mechanics of the rigid body,  
astronomy, and astrophysics.

SUBMITTED: May 12, 1959

Card 3/3

MOSKALYUK, A.A.

Using data on liquid inclusions in pegmatite minerals of the  
Kaibskiy granite massif in Bet-Pak-Dala for studying the  
fluoride in pegmatites. Inform. sbor. VSEGEI no. 20:69-74  
'59. (MIRA 14:1)

(Bet-Pak-Dala--Fluorite) (Bet-Pak-Dala--Pegmatites)

MOSKALYUK, A.A.

Studying fluid inclusions in minerals and rocks; chemical  
and thermometric methods. Inform.sbor.VSEGEI no.50:117-129  
'61. (MIRA 15:8)

(Crystallography)

BERGER, V.I.; MOSKALYUK, A.A.

Genesis of crystal-bearing veins in the Aldan Shield. Trudy  
VSEGEI 83:33-48 '62. (MIRA 16:9)

PRIKAZCHIKOV, L.A.; SOROKIN, Y.I.; BUKALYUK, A.A.; VESEL'YEV,  
A.S.

Giant quartz crystal from a pegmatite body. Zap. Vses.min.  
ob-va 93 no. 2:212-219 '64. (MIRA 12...)

SECRET

CONFIDENTIAL

PA 47/49157

MOSKALYUK, A. I.

USSR/Medicine - Dermatomuscular Reflex Jan 49  
Medicine - Ultrashort Wave, Effects

"Influence of an Ultrahigh-Frequency Condenser Field on the Latent Time of a Dermatomuscular Reflex," A. I. Moskalyuk, Chair of Gen Physiotherapy and Spa-Balneology, Kaz Med Acad, Leningrad, 3 pp

"Fiziol Zhur SSSR" Vol XXV, No 1

Tests were conducted with a 40-watt 50-megacycle generator manufactured by EMA Factory. Concluded that latent time of dermatomuscular reflex is a biologic indicator of high sensitivity which makes it possible to determine

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USSR/Medicine - Dermatomuscular Reflex Jan 49  
(Contd)

Reaction of an organism to exposure to a high-frequency field which is many tens of times less than the amount used for therapeutic purposes. Experiments were conducted on white rabbits. Author hopes to continue his experiments on human guinea pigs.



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AUTHOR: Noskalyuk, A. V.

ORG: no.18

TITLE: General meeting of the department of mathematics, mechanics, and cybernetics of the Ukrainian Academy of Sciences

SOURCE: Prikladnaya mekhanika, v. 2, no. 10, 1966, 139-142

TOPIC TAGS: scientific conference, cybernetics, mechanics, nonlinear differential equation, mathematic operator, shell theory, hydrodynamics

ABSTRACT:

A joint meeting of the Department of Mathematics, Mechanics, and Cybernetics of the Ukrainian Academy of Sciences held in Kiev, 18-19 April, 1966 was dedicated to evaluating the results obtained in 1965 by various institutes of the department and to establishing new trends of studies for the future. Ten academicians and 23 corresponding members of the Ukrainian Academy of Sciences and over 110 other outstanding scientists from the Institutes of Mathematics, Cybernetics, Mechanics, and Hydromechanics of the Ukrainian Academy of Sciences and representatives from universities and research organizations in Kiev took part in this meeting.

In the first session, a survey paper evaluating the results obtained in mathematical sciences during the last seven years and in 1965 was presented by the Secretary of the Department, Academician

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Yu. A. Mitropol'skiy. He emphasized that Ukrainian scientists made many contributions to the development of mathematical sciences and indicated some of the most outstanding achievements.

In the Institute of Mathematics, the general theory and methods for studying nonstationary processes in nonlinear oscillatory systems and single-frequency oscillatory processes in systems with many degrees of freedom have been developed. These methods made it possible effectively to solve many important problems of modern physics and engineering and they have also been successfully applied to design calculations. The theory of integral manifolds has been developed. On the basis of this work, a series of theorems were proved which are important for solving partial differential equations with small parameters. A cycle of studies in the theory of nonlinear differential equations and the theory of nonlinear oscillations has been completed for which Academician Yu. A. Mitropol'skiy was awarded the Lenin Prize in 1965.

The method of averaged functional corrections was developed, generalized, and applied to the solution of differential and integral equations. The problems of expanding functions in generalized eigenfunctions have been studied and estimates of these functions have been derived for certain classes of self-adjoint nonelliptic operators.

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The results of studies in the theory of quasi-conformal mapping found wide application in the solution of many problems of practical importance. A specialized integrator, EGDA, for modeling and solving many applied problems has been developed and approved for lot production. A basis has been established for studies in algebra and numerical analysis.

In the Physicotechnical Institute of Low Temperatures, Corresponding Member of the Ukrainian Academy of Sciences V. A. Marchenko has completed a cycle of studies on the theory of self-adjoint operators and the development of methods for solving boundary-value problems. For these studies he was given the Lenin Prize in 1962.

Fundamental results have also been obtained in the geometry "in the large," in the deformation of convex surfaces and surfaces with outer curvature, in the post-buckling behavior of shells and in their application to problems of mechanics of practical importance. For a cycle of this kind of problems, Academician of the Ukrainian Academy of Sciences A. V. Pogorelov was awarded the Lenin Prize in 1962.

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Despite its short existence, the Institute of Cybernetics is generally recognized as leading the USSR in a series of trends of cybernetics. The theory of digital automata and the method for their synthesis developed at the Institute are now widely used in designing computers. For a series of studies in the theory of digital automata, Academician V. M. Glushkov was awarded the Lenin Prize in 1964.

Electronic digital computers (Kiev, Dnyepr, Promin', Mir, and others) have been designed and developed. The theory of mathematical modeling has been developed and has served as a basis for designing the analog computers EMSS-7 and EMSS-8 for design calculations of statically indeterminate systems of beams and rigid frames. The majority of these computers have been approved for lot production. A series of studies on the application of computer technology to automation of production processes have been completed. Algorithms, programs, and methods for solving the optimum transport problems of the USSR as well as methods for calculating PERT systems have been derived. Translators for computers "Kiev," "Ural-1," "M-20," and "Dnyepr" have been developed and a series of studies on the application of mathematical methods in biology and medicine were carried out.

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In the Institute of Mechanics, analytic solutions for the problem of designing conical shells of constant and linearly variable wall thickness carrying axisymmetric and symmetric loads are derived. A series of three-dimensional problems of the theory of elasticity, thermoelasticity and thermoplasticity have been solved. Methods for modeling and calculating the state of stress in impellers, thick plates, and cylindrical shells have been worked out. The nonclassical theory of shells has been developed and scientific foundations of the mechanics of shell-liquid systems moving jointly with the stream of heated gas have been established. The theoretical foundations of the dynamic stability of flight vehicles having elastic structures have been laid and experimental methods for studying the state of stress and strain in mechanical systems have been derived. Engineering methods were developed for designing equipment for manufacturing plastics and structures from nonhomogeneous polymer materials. Methods for designing metal and glass-reinforced plastic structures for strength, stability, and load-carrying capacity have been proposed. The theory of designing machines for fatigue strength has been developed. Solutions of numerous problems of stress concentration in plates and shells caused by free and reinforced holes have been obtained by using both linear and nonlinear formulations of problems. In the Kharkov Branch of the Institute of Mechanics, a series of theoretical studies concerning

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