

EXCERPTA MEDICA Sec 6/Vol 13/6 Internal Medicine June 59

3145. ELECTROPHORETIC ANALYSIS OF THE LIPOPROTEINS IN THE BLOOD SERUM OF HEALTHY PEOPLE AND IN BETA-HYPERGLOBULINAEMIA -
Elektroforetyczna analiza ciał tłuszczowatobiałkowych surowicy krwi ludzi zdrowych i w stanach hiperglobulinemii beta - Kośmiderski S. Lab. Analit. Wojewódzkiego Szpit. WSW, Katowice - PROBL. LEK. 1957, 4/2 (85-93) Graphs 1 Tables 2 Illus. 2

When β -globulins are increased β -lipoproteins usually are also increased in blood serum. It does not involve paraproteinaemia. Hyper- β -lipoproteinaemia is not associated with hypercholesterolaemia.

Wiedermann - Brno

SROCYNSKI, Jan, KOSMIDER, Stanislaw

Allergic reactions induced by the application of antihistaminic drugs.
Polski tygod.lek. 13 no.11:393-396 17 Mar 58

1. Z II Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej w
Zabrze kierownik: prof. Witold Zahorski.

(ANTIHISTAMINICS, inj.eff.
allergic reactions (Pol))

(ALLERGY, etiol. & pathogen.
antihistaminics causing allergic reactions (Pol))

KOSMIDER, Stanislaw; PETELENY, Tadeusz

Electrocardiographic studies in experimental plumbism in rabbits. Postery hig.med.dow. 13 no.6:765-775 '59.
(LEAD POISONING diag)
(ELECTROELECTROCARDIOGRAPHY exper)

KOSMIDER, Stanislaw; SZCZURK, Zbigniew; PETELKZ, Tadeusz

Histopathology of the cardiovascular system in plumbism in rabbits. Postery hig.med.dosw. 13 no.6:777-780 '59.

(LEAD POISONING pathol)

(CARDIOVASCULAR SYSTEM pathol)

EXCERPTA MEDICA Sec 16 Vol 7/11 Cancer November 59

4725. **Evaluation of Parri's test for 'neoplastic metabolites' in urine**
Ocena proby badania moczu na obecność 'metabolitów nowotworowych' podanej
przez W. Parriego. KOSMIDER S. and PIEKARSKI B. II Klin. Chor. Wewn. Śląsk.
Akad. Med., Zabrze *Pol. Tyg. lek. wiad. lek.* 1959, 14/16 (715-717) Graphs 2
Tables 2

Parri states that in neoplastic cases a blue coloration appears in the urine on addition of conc. HCl with arsenic acid and xylene with isoamyl alcohol. Trials of this test in 217 cases are reported here. It was found that the percentage of positive results in neoplastic diseases did not significantly differ from that in other diseases, except that it was significantly lower than in early pulmonary tb. In view of the high percentage of positives in pulmonary tb, the specificity of the test should be studied on a larger scale in various forms of tuberculosis.

MAREK, Kazimierz; KOSMIDER, Stanislaw

Carbonic anhydrase activity of the erythrocytes in acute radiation sickness in rabbits. Arch.immunoter.dosw. 8 no.3:513-517 '60.

1. II Klinika Chorob Wewnętrznych Śląskiej Akademii Medycznej
w Zabrze Dział Kliniczny Instytutu Medycyny Pracy w Przemysle
Gorniczym i Hutniczym w Zabrze
(RADIATION INJURY blood)
(ERYTHROCYTES chem)
(CARBONIC ANHYDRASE blood)

JONDERKO, Gerard; KOSMIDER, Stanislaw

Effect of x-ray on catalase activity. I. Catalase activity of the erythrocytes in experimental radiation sickness in rabbits. Arch.immun.ter.dosw. 8 no.3: 519-523 '60.

1. II Klinika Chorob Wewnętrznych Śląskiej Akademii Medycznej w Zabrze.

(RADIATION INJURY blood)
(ERYTHROCYTES chem)
(CATALASE blood)

KOSMIDER, Stanislaw; MYSLAK, Zdzislaw

Polarographic studies on serum proteins in irradiated rabbits.
Arch.immun.ter.dosw. 8 no.3:531-536 '60.

1. II Klinika Chorob Wewnetrznych Slaskiej Akademii Medycznej
w Zabrze.

(RADIATION INJURY blood)

(BLOOD PROTEINS radiation eff)

KCSMIDER, Stanislaw; PETELENZ, Tadeusz

Electrocardiographic studies in radiation sickness in rabbits.
Arch.immun.ter.dosw. 8 no.3:537-549 '60.

1. II Klinika Chorob Wewnetrznych Slaskiej Akademii Medycznej w
Zabrze.

(RADIATION INJURY exper)
(ELECTROCARDIOGRAPHY)

KOSMIDER, Stanislaw; PIEKARSKI, Boleslaw; PETELEZ, Tadeusz; WIERNY, Lech

Electrophoretic studies on serum proteins in the blood in radiation sickness in rabbits. Arch.immun.ter.dosw. 8 no.4:747-757 '60.

1. II Klinika Chorob Wewnętrznych Śląskiej Akademii Medycznej w Zabrze, Oddział Kliniczny Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym w Zabrze, Zakład Radiologii Lekarskiej Śląskiej Akademii Medycznej w Zabrze.

(RADIATION INJURY exper)
(BLOOD PROTEINS radiation eff)

KOSMIDER, Stanislaw; PETELEZOWA, Teresa

Ballistocardiographic evaluation of the effect of omentocardio-
pexy on the course of experimental myocardial infarcts. Pat.
polska 11 no.3:227-233 '60.

1. Z II Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej,
Kierownik: Prof.dr med. W.Zahorski.
(MYOCARDIAL INFARCT exper)
(BALLISTOCARDIOGRAPHY)

KOSMIDER, Stanislaw; TARMAS, Jozef; KOSSMANN, Stefan; PODKOWKA, Jozef

Measurement of pH in situ in the upper part of the digestive system. Polski tygod.lek. 15 no.29:1104-1106 18 JI '60.

1. Z II Kliniki Chorob Wewnetrznych Sl. A.M. w Zabrzu; kierownik:
peof. dr med. Witold Zahorski
(ESOPHAGUS physiol)
(STOMACH physiol)
(HYDROGEN ION CONCENTRATION)

KUDLA, Teodor; KOSMIDER, Stanislaw

Thrombopenia during the course of pregnancy in a patient with chronic kidney disease and uremia. Polski tygod.lek. 15 no.37: 1414-1416 12 S '60.

1. Z I Kliniki Poloznictwa i Chorob Kobietych Sl. A.M. w Zabrze;
kierownik: prof. dr Wojciech Starzewski i z II Kliniki Chorob
Wewnetrznych Sl. A.M. w Zabrze; kierownik: prof. dr. Witold
Zahorski.

(PREGNANCY TOXEMIAS compl)

(THROMBOPENIA in pregn)

(KIDNEY DISEASES in pregn)

(UREMIA in pregn)

KOSMIDER, Stanslaw; PIEKARSKI, Boleslaw; KOSSMANN, Stefan

Evaluation of Parri's test in differentiating pneumoconiosis from pneumoconiosis-tuberculosis. Polski tygod.lek. 15 no.38:1449-1450 19 S '60.

1. Z II Kliniki Chorob Wewnetrznych Sl.A.M. i z Działu Klinicznego Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym w Zabrze; kierownik: prof. dr med. Witold Zahorski.

(PNEUMOCONIOSES urine)

(TUBERCULOSIS PULMONARY urine)

KOSMIDER, Stanislaw
SURNAME, Given Names

3

Country: Poland

Academic Degrees: not given

Affiliation: Second Clinic of Internal Diseases (II Klinika Chorob Wewnetrzych), Silesian School of Medicine (Slaska Akademia Medyczna Zabrze; Director: Prof. W. ZAHORSKI, Dr.

Source: Warsaw, Postępy Higieny i Medycyny Doswiadczałnej, Vol XV, No 3, 1961, pp. 353-357.

Data: "Electrocardiogram Changes in Chronic Experimental Lead Poisoning in Rabbits."

Authors:

KOSMIDER, Stanislaw
SKORCZYNSKI, Jan

GPO 9816

KOSMIDER, Stanislaw

Osmotic resistance of red blood cells in rabbits after total body x-irradiation. Arch.immun.ter.dosw. 9 no.3:495-499 '61.

1. II Clinic of Internal Diseases, Silesian School of Medicine, Zabrze.

(RADIATION INJURY blood)
(ERYTHROCYTES radiation eff)

KOSMIDER, Stanislaw; ROGALA, Edmund

Quantitative changes in extracellular water in radiation disease.
Arch.immun.ter.dosw. 9 no.3:501-507 '61.

1. II Clinic of Internal Diseases, Silesian School of Medicine,
Zabrze.

(RADIATION INJURY metab) (WATER metab)

KOSMIDER, Stanislaw; PETELENI, Tadeusz; ROMER, Tomasz

Sodium, potassium and calcium levels in the blood serum in radiation sickness in rabbits. Pat. polska 12 no.2:177-182 '61.

1. Z II Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej Kie-
rownik: prof. dr W. Zahorski
(RADIATION INJURY blood)
(SODIUM blood)
(POTASSIUM blood)
(CALCIUM blood)

PETELENZ, Tadeusz; KOSMIDER, Stanislaw

Electrocardiography in the rabbit. Acta physiol pol 12 no.4:603-609 '61.

1. Z II Kliniki Chorob Wewnetrznych Sl. A.M. w Zabrze-Rokitnicy
Kierownik: prof. dr W. Zahorski.
(ELECTROCARDIOGRAPHY exper)

KOSMIDER, Stanislaw; SROCZYNSKI, Jan

Electrocardiographic changes in chronic experimental plumbism in rabbits. Postepy hig. i med. dosw. 15 no.3:353-357 '61.

1. Z II Kliniki Chorob Wewnętrznych Śląskiej AM w Zabrze Kierownik:
prof. dr W.Zahorski.
(LEAD POISONING exper)

KOSMIDER, Stanislaw; KUSMIERSKI, Stanislaw

Behavior of pH of the venous blood in the extremities with occlusive vascular changes. Polskie arch. med. wewn. 31 no.5:657-652 '61.

1. Z II Kliniki Chorob Wewnetrznych Sl. AM Kierownik: prof. dr med. W. Zahorski Z II Kliniki Chirurgicznej Sl. AM Kierownik: prof. dr med. J. Gasinski.

(VASCULAR DISEASES PERIPHERAL blood)
(HYDROGEN ION CONCENTRATION blood)

KOSMIDER, Stanislaw; PETELENI, Tadeusz

Electrocardiographic studies in cases of chronic occupational lead poisoning. Polskie arch. med. wewn. 31 no.10:1349-1357 '61.

1. Z Działu Klinicznego Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym w Zabrze Kierownik: prof. dr med. W. Zahorski.
(LEAD POISONING diag) (ELECTROCARDIOGRAPHY)

KOSMIDER, Stanislaw; PETELENZ, Tadeusz

Electrocardiographic changes in older subjects with chronic occupational lead poisoning. *Polskie arch. med. wewn.* 32 no.5:437-442 '62.

1. Z II Kliniki Chorob Wewnętrznych Sl. AM i z Działu Klinicznego
Instytutu Medycyny Pracy w Przemysle Węglowym i Hutniczym w Zabrze
Kierownik: prof. dr med. W. Zahorski.
(LEAD POISONING diag) (ELECTROCARDIOGRAPHY)

KOSMIDER, Stanislaw; ROGALA, Edmund

Disorders in the distribution of water between the extracellular space and cells in acute radiation disease. Arch. immun. ther. ex. 10 no.1: 15-20 '62.

1. II Clinic of Internal Diseases, Silesian School of Medicine, Zabrze.
(RADIATION INJURY exper) (WATER metab)

KOSMIDER, Stanislaw

Spontaneous external biliary fistula in asymptomatic lithiasis.
Polski tygod. lek. 17 no.25:1001-1004 18 Je '62.

1. Z II Kliniki Chorob Wewnętrznych Śląskiej AM w Zabrze, kierownik:
prof. dr med. Witold Zahorski.
(CHOLELITHIASIS compl.) (BILIARY FISTULA etiol)

KOSMIDER, Stanislaw

Role of serum alkaline phosphatase in the diagnosis and therapy of chronic occupational lead poisoning. Pol. arch. med. wewn. 32 no.9:1101-1107 '62.

1. Z II Kliniki Chorob Wewnętrznych Śląskiej AM w Zabrze Kierownik:
prof. dr med. W. Zahorski.
(BLOOD ALKALINE PHOSPHATASE) (LEAD POISONING)

KOSMIDER, Stanislaw

Effect of lead ions on the activity of serum alkaline phosphatase in experimental acute poisoning and in vitro. Pol. arch. med. wewn. 32 no.10:1253-1256 '62.

1. Z II Kliniki Chorob Wewnetrznych Slaskiej AM w Zabrze Kierownik:
prof. dr med. W. Zahorski.
(LEAD) (LEAD POISONING) (BLOOD ALKALINE PHOSPHATASE)

KOSMIDER, Stanislaw

Effect of the disodium-calcium salt of ethylenediaminetetraacetic acid (CaNa₂ EDTA) on the activity of alkaline phosphatase in the blood serum. Pol. arch. med. wewn. 32 no.11:1347-1352 '62.

1. Z II Kliniki Chorob Wewnętrznych AM w Zabrze Kierownik: prof.
dr med. W. Zahorski.
(EDATHAMIL) (BLOOD ALKALINE PHOSPHATASE)

S/241/63/008/001/004/006
D243/D307

AUTHORS: Kosmider, Stanislav and Rogalya, Edmund

TITLE: Quantitative changes of extracellular water during radiation sickness

PERIODICAL: Meditsinskaya radiologiya, v. 8, no. 1, 1963, 54-58

TEXT: 26 male and female rabbits weighing 1800-4500 g each were irradiated with X-rays, using a Westinghouse set, at 200 kv, 15 ma, with 1 mm thick Cu and Al filters, at a dose rate of 10.6 r/min, from a distance of 80 cm. The animals were divided into 4 groups: 6 received a dose of 200 r (group I), 6 a dose of 500 r (II), 7 a dose of 800 r (III) and 7 a dose of 1000 r (IV). The quantities of extracellular water (EW) were measured before and on the 3rd, 10th and 20th days after irradiation, using a modification of the NaCNS method of Morachevskiy et al. In groups I and II, the EW contents diminished appreciably on the 3rd day, the decrease being greater than the loss in body weight, indicating that water was absorbed by the cells (swelling). A reverse effect was observed

Card 1/5

S/241/63/008/001/004/006
D243/D307

Quantitative changes ...

on the 10th day, the EW contents becoming slightly higher than before irradiation; this is taken as evidence of osmotic changes within the cells. A slight decrease of both EW and body weight was again observed on the 20th day. The changes were more pronounced in group II. Three animals of group III lost weight on the 3rd day, by loss of cellular and extracellular water, the loss of EW being far in excess of the loss of body weight. Cell swelling was observed in this subgroup. Similar though less pronounced changes (no cell swelling) took place in the remaining animals, with the exception of 1 rabbit who showed an increase in EW on the third day. Little or no reversal of this effect occurred on the 10th day; on the 20th day the loss of body weight exceeded the loss of EW. In group IV, loss of cellular and gain of extracellular water were observed on the 3rd and 10th days, with simultaneous loss of body weight. Some loss of EW took place on the 20th day. It is concluded that the effects are related to the dose of radiation, and the rates of transfer of EW into the cells increase with increasing dose. Quantitative changes of EW may thus explain the dependence of morphological changes on the radiation dose. There is 1 figure.

Card 2/3

Quantitative changes ...

S/241/63/008/001/004/006
D243/D307

ASSOCIATION: 2-aya terapevticheskaya klinika silezskogo Medit-
sinskogo instituta g. Zabzhe (2nd Therapeutic Clinic
of the Silesian Institute of Medicine, Zabrze)

SUBMITTED: November 14, 1962

Card 3/3

KOSMIDER, Stanislaw; GRABSKI, Jozef; STRADOWSKI, Jan

Plasma sodium, calcium and potassium levels in rabbits during experimental acute lead poisoning. Arch. immun. ther. exp. 11 no.1/2:303-306 '63.

1. II Clinic of Internal Diseases, Silesian School of Medicine, Zabrze.

(LEAD POISONING) (CALCIUM) (POTASSIUM)
(SODIUM) (BLOOD CHEMICAL ANALYSIS)

KOSMIDER, Stanislaw; ROGALA, Edmund

The influence of x-rays on experimental histamine shock. Arch.
immun. ther. exp. 11 no.1/2:235-237 '63.

1. II Clinic of Internal Diseases, Silesian School of Medicine,
Zabrze.

(HISTAMINE) (SHOCK) (RADIATION EFFECTS)

KOS'MIDER, STANISLAV [Kosmider, Stanislaw]; ROGALYA, EDMUND [Rogala, Edmund].

Quantitative changes in extracellular water in the course of radiation sickness. Med.rad. no.1:54-58'63. (MIRA 16:10)

1. Iz 2-y terapevticheskoy kliniki Silezskogo meditsinskogo instituta g. Zbzhe (rukovoditel' - prof. doktor Vitol'd Zagorskiy).

(RADIATION SICKNESS) (WATER IN THE BODY)

ROGALA, Edmund; KOSMIDER, Stanislaw

The thiocyanate space in histamine shock. Arch. immun. ther.
exp. 11 no.3:437-440 '63.

1. II Clinic of Internal Diseases, Silesian School of Medicine,
Zabrze.

(HISTAMINE) (SHOCK, TOXIC) (THIOCYANATES)
(METABOLISM)

TARMAS, Jozef; KOSMIDER, Stanislaw

Effect of X-rays on the blood vessels of the spinal cord in rabbits. Postepy hig.med.dosw. 17 no.6:765-770 N-D'63

1. Z Zakladu Anatomii Prawidlowej Slaskiej AM w Zabrze (kierownik: prof. dr. S.Kohmann) oraz z Dzialu Klinicznego Instytutu Medycyny Pracy w Przemysle Weglowym i Hutniczym w Zabrze (kierownik: prof.dr. W.Zahordki).

*

KOSMIDER, Stanislaw; KOSSMANN, Stefan

Serum muc- and lipoproteins in acute intoxication with mercury salts in rabbits. Postepy hig,med.dosw. 17 no.6:777-779 N-D'63

1. Z Kliniki Chorob Wewnetrznych i Zawodowych Slaskiej AM w Zabrze; kierownik: prof.dr. W.Zahorski.

*

JONEK, Jan; KOSMIDER, Stanislaw

Histochemical studies on the activity of some enzymes in the heart muscle during different stages in the development of acute postradiation disease. Arch. immun. ther. exp. 12 no.2: 232-241 '64

1. Department of Histology, Silesian School of Medicine, Zabrze;
Clinic of Internal and Occupational Diseases, Silesian School of Medicine, Zabrze.

TARMAS, Jozef; KOSMIDER, Stanislaw; RUSIECKI, Zdzislaw

Morphologic changes induced by X-rays in the nerve cells of the sympathetic ganglia in rabbits. Arch. immaun. ther. exp. 12 no.3: 388-395 '64.

1. Department of Normal Anatomy, and Clinic of Internal and Occupational Diseases, Silesian School of Medicine Zabrze.

KOSMIDER, Stanislaw; MISTEWICZ, Adam; GRABSKI, Jozef

Effect of mercury ions on the level of some electrolytes in the rabbit blood serum in acute experimental poisoning. *Pat. Pol.* 15 no.2:139-143 Ap-Je '64

1. z Kliniki Chorob Wewnętrznych i Zawodowych Śląskiej Akademii Medycznej w Zabrze (Kierownik prof. dr.med. W. Chhoraká).

KOSMIDER, Stanislaw

Alkaline phosphatase in the blood and tissues in acute experimental poisoning by mercury vapor. Acta med. Pol. 6 no. 1-14 '65

1. The Clinic of Internal and Occupational Diseases, Silesian Medical Academy, Zabrze (Director: prof. dr. Witold Zahorski).

KOSMIDER, Stanislaw

Glutathione level in the blood in experimental poisoning with metallic mercury. Med. pracy 15 no.3:206-210 '65.

1. Z Kliniki Chorob Wewnetrznych i Zawodowych Slaskiej AM w Zabrze (Kierownik: prof. dr. med. W. Zahorski).

JONEK, Jan; JONEK, Teresa; KOSMIDER, Stanislaw

Activity of some enzymes in the gingival mucosa in acute experimental lead poisoning. Med. pracy 16 no.3:211-218 '65.

1. Z Zakładu Histologii Śląskiej AM w Zabrze (Kierownik: doc. dr. med. J. Jonek) i z Kliniki Chirurgii Stomatologicznej Śląskiej AM w Zabrze (Kierownik: prof. dr. stom. dr. med. M. Jankowski) oraz z Kliniki Chorob Wewnętrznych i Zawodowych Śląskiej AM w Zabrze (Kierownik: prof. dr. med. W. Zahorski).

KOSMIDER, Stanislaw; JONEK, Jan; GAJOS, Stanislaw

Histochemical investigation of the behavior of some enzymes in the lungs during various stages of development of post-irradiation disease. Pol. przepl. radiol. 29 no.2:215-226
Mar-Apr '65

1. Z Kliniki Chorob Wewnętrznych i Zawodowych Śląskiej Akademii Medycznej w Zabrze (Kierownik: prof. dr. med. W. Zahorski); z Zakładu Histologii Śląskiej Akademii Medycznej w Zabrze (Kierownik: doc. dr. med. A. Wurbrodt) i z Zakładu Radiologii Śląskiej Akademii Medycznej w Zabrze (Kierownik: doc. dr. med. B. Romanowski).

KOSMIDER, Stanislaw

The pathogenetic mechanisms of experimental poisoning by mercury vapor. Arch. immun. ther. exp. 13 no.2:204-237 '65

1. Clinic of Internal and Occupational Diseases, Silesian School of Medicine, Zabrze.

KOSMIDER, Stanislaw; DWORNICKI, Jerzy

A case of pulmonary hemorrhage as a manifestation of Rendu-Osler disease. Wiad. lek. 18 no.8:685-687 15 Ap'65.

1. Z Kliniki Chorob Wewnętrznych i Zawodowych Śląskiej Akademii Medycznej w Zabrze (Kierownik: prof. dr. med. W. Zahorski).

KOSMIDER, Stanislaw; ZURKOWSKI, Andrzej; WEGIEL, Antoni

In vitro effects of Hg, KCN and CO on granulocytic alkaline phosphatase. Pol. arch. med. wewnet. 35 no.4:477-481 '65.

1. Z Kliniki Chorob Wewnętrznych i Zawodowych Śląskiej Akademii Medycznej w Zabrze (Kierownik: prof. dr. med. W. Zahorski).

KOSMIDERSKI, S. M.

EXCERPTA MEDICA Sec.6 Vol.11/3 Internal Med. Mar 57

1868. KOŚMIDERSKI S. M. Odd. Hematol. Wojewódzkiego Szpit. Spec., Stalino-
grodz. *Zastosowanie testosteronu w klinice krwotoczności małopłytko-
wych. Testosterone therapy in essential thrombocyto-
penia POL. TYG.LEK. 1956, 11/18 (779-782) Tables 1
Testosterone had a 'tightening' influence on the walls of the capillaries in both
essential and symptomatic thrombocytopenic purpura. It caused an increase of
the platelet count in all forms of thrombocytopenia.

KOSMIDERSKI, Szymon; SOBANSKI, Alfred

Electrophoretic determination of blood proteins in
Rustitskii-Kahler's disease. Polski tygod. lek. 11
no.23:1024-1025 4 June 56.

1. Z I oddzialu chorob wewnetrznych Szpitala Miejskiego Nr 3w
Chorzowie, ordynator: dr. med. Alfred Sobanski; z oddzialu
hematologicznego Wojew. Szpitala Specjalistycznego w Stalino-
gradzie, ordynator dr. med. Szymon Kosmiderski; z laboratorium Szpitala MSW
w Stalino-gradzie, kier.: dr. med. Jozef Zurkowski, Szpital Miejski
nr 3 w Chorzowie.

(MYELOMA, PLASMA CELL, blood in,
proteins, electrophoresis (Pol))

(BLOOD PROTEINS, in various diseases,
myeloma, plasma cell, electrophoresis (Pol))

nos 11102 11581 5.
KOSMIDERSKI, Szymon; GAJEWSKA-GOLANSKA, Urszula; JARCZIKOWA, Janina; TROJNAR,
Tadeusz

Dysproteinemias in granulocytic leukemias. Polski tygod. lek. 12 no.35:
1347-1350 25 Aug 57.

1. Z Oddziału Hematologicznego Wojewódzkiego Szpitala Specjalistycznego
w Katowicach; kierownik Kliniki: Sz. Kosmiderski; dyrektor Szpitala:
B. Karolczak.

(LEUKEMIA, blood in,
protein defic. (Pol))

(BLOOD PROTEINS, deficiency,
in leukemia (Pol))

Kosmiderski, Szymon

LEWY-RUDNICKA, Anna; KOSMIDERSKI, Szymon

Changes in blood protein levels in pulmonary tuberculosis based on electrophoretic studies. Gruslica 25 no.2:115-127 Feb 57.

1. Z Oddziału płucnego Woj. Szpitala MSW w Katowicach Ordynator: dr. A. Sebański i Laboratorium tegoż szpitala, Kierownik: dr. J. Zurkowski Dyrektor: dr. J. Lagan oraz z Woj. Poradni Przeciwgruzliczej w Katowicach Dyrektor: dr. F. Westrych. Adres: Katowice, Woj. Szpital MSW.

(TUBERCULOSIS, PULMONARY, blood in protein level, electrophoresis (Pol))

KOSMIDERSKI, Szymon

Microelectrophoretic method of concentrating tubercle bacilli. *Gurzlica*
25 no.11:879-883 Nov 57.

1. Z Wojewodzkiego Szpitala M.S.W. w Katowicach. Dyrektor: J. Iagan.
(MYCOBACTERIUM TUBERCULOSIS, culture
concentration by microelectrophoresis (Pol))

KOSMIDERSKI, Szymon

Behavior of normal erythrocytes and leukocytes in free slide
microelectrophoresis. Postepy hig. med. dosw. 12 no.2:185-188
1958.

1. Oddzial Hematologiczny Wojewodzkiego Szpitala Specjalistycznego
Katowice, ul. Warszawska 52.

(ERYTHROCYTES,
microelectrophoresis (Pol))
(LEUKOCYTES,
same (Pol))

Kaszubowski
KASZUBOWSKI, Pawel; KOSMIDERSKI, Szymon; MALC, Adam

Biochemical analysis of a case of paraglobulinic plasmocytoma M.
Polski tygod. lek. 13 no.2:60-62 13 Jan 58.

1. Z oddz. Wewn. B Woj. Szpitala M. S W. w Katowicach; ordynator:
dr med. P. Kaszubowski i z labor. Woj. Szpitala M. S. W. w Katowicach;
kierownik: dr med. Sz. Kosmiderski. Adres: Katowice, ul. Zacisze 1 m. 8.
(MYELOMA, PLASMA CELL, case reports
paraglobulinic plasmocytoma M (Pol))

CHIYGOLYA, G.; BERAL, Kh.; VASIL'YEV, P.; POPOVICH, N.; KOSMIN, Anna;
MADZHARU, M.; YAKOB, A.; LAKATOSH, L.; DIAKU, D.; PATRASHKU, S.

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The PN-200M semi-automatic machine for winding the stator coils
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KOSMIN, I.D.

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KOS'MIN, I.M., aspirant

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1. Severnyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.

(Kaliningrad Province--Drainage)

KOS'MIN, N. (Voroshilovgrad); DAYENMAN, R. (Voroshilovgrad).

Carrying out business accounting within the plant. Vop.ekon.no.7:
32-42 J1 '56. (MLRA 9:9)
(Locomotives) (Industrial management)

ZAYTSEV, N.V., kandidat tekhnicheskikh nauk; KOSITSYN, I.A., dotsent, redaktor; DAMASKINA, G.B., redaktor; VIKHERSKIY, P.A., dotsent, retsenzent; KOSITSYN, I.A., dotsent, retsenzent; KOS'MIN, T.F., inzhener, retsenzent; NUDEL'MAN, G.E., inzhener, retsenzent; MEDVEDEVA, I.A., tekhnicheskiiy redaktor.

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431 p. [Microfilm] (MLRA 8:2)
(Bakers and bakeries--Equipment and supplies)

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KONOVITSEV, Svyatoslav Vsevolodovich; SHUMAYEV, F.G., prof., retsenzent;
KOS'MIN, T.F., inzh., retsenzent; NTSKOVICH, Ya.S., inzh.,
spetsred.; KALMENS, R.I., red.; SATAROVA, A.M., tekhn.red.

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prof., retsenzent; ITSKOVICH, Ya.S., inzh., retsenzent;
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KOSMIN, V.V., inzh.

Laying out a route in a ravine for free running. Transp.
strof. 16 no.1:42-43 Ja '66. (MIRA 19:1)

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"Thermal and oxidative degradation of cellulose ethers," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 28 Jan-2 Feb 57, Moscow, Polymer Research Inst.

B-3,084,395

KOSMINA, R. (Donetsk)

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ROSMINA, T

Kosmina, T. Transformation de Laplace des systèmes de surfaces triplement conjuguées. C. R. (Doklady) Acad. Sci. URSS (N.S.) 55, 183-188 (1947)

A study of the Laplace transformations of a system C_3 of triply conjugate surfaces is made by Cartan's method of projective displacements. Three of the edges of the local tetrahedron of reference are the tangents to the conjugate nets of the system C_3 . Typical theorems are as follows. Application of the transformation of Laplace to the surfaces of a system C_3 gives rise to a new system C_3 . One may associate to each Laplace sequence of C_3 relative to one of its conjugate nets a family of inscribed sequences C_3 for each of which the third edge cuts two consecutive edges of the same kind of the original sequence. This family depends on two arbitrary functions of two parameters.

F. G. Grace

SMW

Source: Mathematical Reviews,

Vol

No

BALON, Z.P.; KONONOVA, R.F.; KOSMININA, N.T.

Apparatus for the graduation of dosimeters with fields of γ -radiation doses from 9 to 24 roentgen/min. Nov. nauch.-issl. rab. po metr. VNIIM no.2:28-31 '64. (MIRA 18:4)

KOSMINKOV, I. S.

PHASE I Treasure Island Bibliographic Report
BOOK

Call No.: J032.528

Authors: SAKHAROV, D. I. and KOSMINKOV, I. S.

Full Title: COLLECTION OF PROBLEMS IN PHYSICS (5th edition)

Transliterated Title: Sbornik zadach po fizike

Publishing Data

Originating Agency: None

Publishing House: State Publishing House for Pedagogical Literature of the Ministry
of Education of the RSFSR

Date: 1952

No. pp.: 256

No. copies: 25,000

Editorial Staff

Editor: None

Tech. Ed.: None

Ed.-in-Chief: None

Appraiser: None

Text Data

Coverage: The book states many problems of physics encountered in theoretical and practical engineering, and presents questions related to the apparatus used in school laboratories in the fields of mechanics, molecular physics, electricity, acoustics, optics, and atomic structure. All problems are marked by special signs indicating the degree of complexity of their solution. The last 26 pages contain logarithmic and trigonometric tables and smaller tables giving various physical constants and correlating coefficients.

Purpose: The book is recommended by the Ministry of Higher Learning in the USSR for students of physico-mathematical faculties in pedagogical institutes.

Facilities: None

No. Russian and Slavic References: None

Available: Library of Congress

KOSMINKOV, IVAN S.

SAKHAROV, Dmitriy Ivanovich; KOSMINKOV, Ivan Sergeyevich; MIKHALKEVICH, T.V.,
redaktor; SAKHAROVA, N.V., tekhnicheskiy redaktor.

[Collection of problems in physics] Sbornik zadach po fizike. Izd. 6-e.
Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshchenia RSFSR,
1954. 261 p. (MLRA 8:1)
(Physics--Problems, exercises, etc.)

SAKHAROV, Dmitriy Ivanovich; KOSMINKOV, Ivan Sergeevich; MIKHALKEVICH, T.V.,
redaktor; DZHATIYEV, S.G., tekhnicheskiiy redaktor.

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7-oe, ispr. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva pros-
veshchenia RSFSR, 1956. 280 p. (MLRA 9:5)
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KCSMINKOV, N..Ye.

Testing English preparation 2-B-methoxyethyl pyridine in
Dictyocaulus and intestinal Strongylus infestation of calves.
Trudy VIGIS 11:89-91 '64. (MIRA 18:12)

KOSMINKOV, N.Ye., assistant

Results of comparative studies on trichinosis of the superficial muscles in swine. Veterinariia 36 no.9:52-54 S '59.

(MIRA 12:12)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy promyshlennosti.

(Trichina and trichinosis)

(Swine--Diseases and pests)

KOSMINKOV, N.Ye.

Conference on the problem of trichinosis of pork. Veterinaria
36 no.10:95 0 '59. (MIRA 13:1)
(Trichina and trichinosis)

RYBALTOVSKIY, O.V., dotsent; KOSMINKOV, N.Ye., assistant;
LOKHMENKO, V.A., nauchnyy sotrudnik

Morphological differences of Trichinella capsules.
Veterinariia 38 no.7:48-50 J1 '61. (MIRA 16:8)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti.

(Trichina and trichinosis)

KOSMINKOV, N. E., LOKHMANINKO, V. A. and RYBALTOVSKIY, O. V. (Assistant,
Scientific Co-worker and Assistant Professor, Moscow Technological
Institute of Meat and Milk Industry)

"About morphologic differences of Trichinella capsules"

Veterinariya, Vol. 38, no. 7, July 1961, p. 48

Asst., Moscow Tech. Inst. Meat & Milk Industry

KOSMINSKAYA, I. P.

"Application of the Method of Time Fields in Case of Variable Velocity." Iz AN SSSR, Ser Geograf i Geofiz, No 5, 1946 (455-462).
(Meteorologiya i Hidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

KOSMINSKAYA, I.P.

GAMBURTSEV, G.A.; RIZNICHENKO, Yu.V.; BERZON, I.S.; YEPINAT'YEVA, A.M.;
PASECHNIK, I.P.; KOSMINSKAYA, I.P.; KARUS, Ye.V.; YEROFEYEVA, A.A.,
redaktor; KISELEVA, A.A., ~~tekhnicheskiy~~ redaktor

[Correlation method of refracted waves; manual for seismological
engineers] Korreliatsionnyi metod prelomlennykh voln; rukovodstvo
dlia inzhenerov-seismorazvedchikov. Moskva, Izd-vo Akad. nauk SSSR,
1952. 238 p. [Microfilm]. (MIRA 8:7)

1. Chlen-korrespondent AN SSSR (for Gamburtsev).
(Seismometry)

KOSMINSKAYA, I. I.

"The interference of Seismic Waves Evoked by a Harmonic Origin". News of the Academy of Science of the USSR, Geophysical Series, No 4, p 33, 1952.

KOSMINSKAYA, I. P.

USSR/Geophysics - Seismic Waves Nov/Dec 52

PA 237T47

"Amplitude Curves and Phase Hodographs of Seismic Waves Caused by a Point Expansion Source in a Homogeneous Ideally Elastic Boundaryless Space," I.P. Kosminskaya, Geophys Inst, Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geofiz" No 6, pp 39-47

Shows from numerical calcs that amplitude of subject waves is practically given by the asymptotic formula $A=A_0/r$ for distances r much greater than wavelength. Phase hodographs of waves close to source for distances r less than wavelength are

237T47

curvilinear, and are practically rectilinear for r greater than wavelength. Notes principal laws governing these waves.

237T47

KOSMINSKAYA I. P.

240. Kosminskaya I. P. Amplitude curves and phase graphs of waves generated by a concentrated harmonic force in a homogeneous, ideally elastic space (in Russian), *Tekhnicheskaya Kibernetika* no. 30, 286-291, 1975; *Ref. Zh. Mekh.* no. 11, 1976, Rev. 7774.

The solution of the problem of the wave pattern generated in a homogeneous, ideally elastic space by the action of a concentrated harmonic force is presented in the form of simple analytical functions. Utilizing this presentation, author has constructed and painstakingly investigated the amplitude curves and phase hodographs of the oscillations to be observed in different directions at varying distances from the source.

In the vicinity of the source, the construction of the curves assumes a complicated form, while the rate of propagation of the oscillations is practically equal to the velocity of the transverse waves. With increasing distance from the source in the region adjoining the line of action of the force, longitudinal waves predominate, while in the region adjacent to the plane perpendicular to the said line, transverse waves dominate. In the intermediate regions, where the intensities of the longitudinal and the transverse waves are comparable, the phase hodographs and amplitude curves assume an interferential character.

K. I. Ojirsov
Courtesy *Referativnyi Zhurnal*, USSR
Translation, courtesy Ministry of Supply, England

K. EE

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KOSMINSEAYA, I.P.

Methods of analyzing amplitude curves and hodographs of phases of
complex harmonic waves. Trudy Geofiz.inst. no.30:302-313 '55.
(Seismology) (Waves) (MIRA 9:6)

KOSMINSKAYA, I.P.

Amplitude curves and hodographs of seismic wave phases in a free boundary of a semispace. Izv.AN SSSR. Ser.geofiz. no.1: 37-47
Ja '56. (MLRA 9:3)

1. Akademiya nauk SSSR, Geofizicheskiy institut.
(Seismology)

KOSMINSKAYA, I.P.

Analysis of interference zones of seismic waves. Trudy Geofiz. inst.
no.35:116-145 '56. (MIRA 10:1)
(Seismic waves)

KOSMINSKAYA, I. P.

BERZON, Inna Solomonovna; KOSMINSKAYA, I.P., otvetstvennyy red.;
SHEBALIN, N.V., red.; KASHINA, P.S., tekhn.red.

[High-frequency seismic exploration] Vysokochastotnaya seismika.
Moskva, Izd-vo Akad.nauk SSSR, 1957. 302 p. (MIRA 11:1)
(Seismology)

KOSMINSKAYA, I. P., TALPERIN, E. Y., VEYTSMAN, I. S. and FISNICHENKO, Y. V.

"On Research of the Earth Crust in the Pacific Coast Area of Asia,"

paper delivered by E. V. Karus at the Ninth Pacific Science Congress, Bangkok, Thailand, 18-30 Novmeber 1957.

B-3,095,367, 7 Jan 58 (comments)
Abst. available

KOSMINSKAYA, I. P.

BALAKINA, L.M.

X(10)

FRASE I BOOK EXPIRYATION

807/1663

Akademiya nauk SSSR, Komitet po geodesii i geofizike.

Tezisy dokladov na XI General'noy assambleye Mezhdmuzharnogo geofizicheskogo i geofizicheskogo soyuza. Mezhdunarodnaya assotsiatsiya sismologii i fiziki nedr zemli (Abstracts of Reports Submitted to the XI General Assembly of the International Union of Geodesy and Geophysics. The International Association of Seismology and Physics of the Earth's Interior) Moscow, 1977. 102 p. /Parallel texts in Russian and English/ 1,500 copies printed.

No additional contributors mentioned

PURPOSE: This booklet is intended for geophysicists, especially those specializing in seismology.

COVERAGE: This collection of articles deals with the structure and composition of the Earth and phenomena related thereto. The majority of the articles concern studies of earthquakes and seismic waves. Other articles cover the structure of the Earth's crust and mountain roots; the elastic properties of rocks at high pressures; the piezoelectric effect of rocks and the method of modelling in tectonophysics. The collection also contains articles on the Earth's thermal history, the microseismic method of tracing stores and others.

Volarovich, N.P. and N.I. Parthensko. Piezoelectric Effect of Rocks	89
Vaytsman, P.S., I. P. Kosminskaya, and Yu. V. Riknichenko. New Evidence on the Structure of the Earth's Crust and Mountain Roots in Central Asia From Seismic Depth Sounding Data	31
Gzovskiy, N.V. Method of Modelling in Tectonophysics	37
Gorshkov, G.P. Seismic Intensity Regions of Asia	42
Derydov, B.I. Physical Properties of Solid Bodies at High Pressures	43
Kaylis-Borch, V.I. Investigation of Earthquake Mechanism	46
Kaylis-Borch, V.I. Dynamic Methods of Investigating the Earth's Crust and Internal Structure (Theory, Electronic Computations and Practical Tests)	51
Karus, Ye.V. Absorption of Elastic Waves in Rocks	55

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~~KOSMINSKAYA, I. P.~~

Use of plutonic seismic sounding in various regions of the U.S.S.R.
Biul. Sov. po seism. no.3:38-40 '57. (MIRA 11:5)
(Seismic waves)

KOSMINSKAYA, I. P.

AUTHORS: Kosminskaya, I. P. and Tulina, Yu. V.

49-7-3/14

TITLE: Experience gained in using the method of deep seismic probing for studying the structure of the Earth's crust in certain regions of Western Turkmenia. (Opyt primeneniya metoda glubinnogo seysmicheskogo zondirovaniya dlya izucheniya stroyeniya zemnoy kory nekotorykh rayonov zapadnoy Turkmenii).

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, 1957, No.7, pp. 874-894 + 4 plates. (USSR)

ABSTRACT: Special studies were made in 1952 of the structure with the depth of some regions of Western Turkmenia in conjunction with detailed investigation of the seismicity of Turkmenia. For this purpose a method of deep seismic sounding was used which was proposed by G. A. Gamburtsev and developed in the Geophysics Institute, Ac.Sc. U.S.S.R. (Geofizicheskiy Institut AN SSSR) under his leadership (Refs.1 and 2). The fundamental task of these investigations was to clarify the character of the deep boundaries of division in the region of grouping of the main geological structures which occur in the region under consideration. These structures include the mountain ridges Kopet-Dag, Bolshoy Balkhan, the Predkopetdagskiy bend and the Trans-Caspian lowland. Under "deep boundaries" the authors understand boundaries located

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people from the geophysics institute participated in the field work. The technical chief was N. Ye. Fedoseyenko, the field work was carried out, under the supervision of M. A. Zayonchkovskiy, by E. I. Zelikman and S. A. Kulikov guided the work at the point of explosion. The chief

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APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825120013-9
in commenting on the plans of the work and interpretation of the results. The basic results obtained are described in

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Experience gained in using the method of deep seismic probing for studying the structure of the Earth's crust in certain regions of Western Turkmenia. (Cont.)

this paper. The features are described of the seismic boundaries located at various depths and the corresponding strata of the paleozoic, granite, basalt and the subcrust layers. Schematic maps are given of the surfaces of the paleozoic stratum and of the thickness of the Earth's crust. The maximum thickness of the crust is in the Trans-Caspian Lowland (over 40 km), the minimum thickness (below 30 km) is at the Bolshoy Balkhan. The dimensions of the Earth's crust are compared with the depth of tremors of weak earthquakes recorded by means of high sensitivity stations KMIZ. It was found that the South Western regions of Turkmenia are favourable for recording distant explosions (100 to 250 km) which are applied for deep seismic sounding. Groups of waves were recorded which correspond to division boundaries within a wide range of depths, from prospected depths of 3 to 10 km to the depths of the basalt and the subcrust layers (20 to 45 km). It was found that by changing over to lower frequencies (10 to 20 c.p.s.) and utilising distant explosions it is possible to increase appreciably the depth of prospecting by the method of refracted waves. At

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... apparently to the complex structure of the layers in the Earth's crust. Elucidation of the nature of the successive waves in the groups is one

49-7-3/14

Experience gained in using the method of deep seismic probing for studying the structure of the Earth's crust in certain regions of Western Turkmenia. (Cont.)

of the fundamental tasks of developing further the method of deep seismic sounding. Four seismic boundaries were detected in Turkmenia, the least deep one is that of the surface of the paleozoic foundation; the deeper ones are those of the granite, basalt and subcrust layers respectively. The characteristics of the individual boundaries are described in some detail. Comparison of the sections of deep seismological sounding with the depth of the foci of weak earth tremors recorded by KMIZ stations indicate that the tremors of the fundamental groups of earthquakes are concentrated in the granite, in the basalt layer and in the lower boundary of this layer.

There are 20 figures, 2 tables and 18 references, 16 of which are Slavic.

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SUBMITTED: December 8, 1956.

ASSOCIATION: Institute of Physics of the Earth, Ac.Sc., U.S.S.R.
(Akademiya Nauk SSSR Institut Fiziki Zemli).

AVAILABLE: Library of Congress

TVAITVADZE, G.K.; KOSMINSKAYA, I.P.; MURUSIDZE, G.Ya.; MIKHOTA, G.G.;
IOSELIANI, M.S.; TOLIRA, Yu.V.

Results of studies of the surface of the crystalline foundation
of the western part of the Gori-Mukhrani depression by seismic
methods. Trudy Inst. geofiz. AN Gruz. SBR 16:135-161 '57.
(Georgia--Geology, Structural) (MIRA 11:6)
(Seismic waves)

KOSMINSKAYA, I. P.

The following papers were read at the Meeting of the European Seismological Commission in Utrecht, Holland, 8-12 April 1958:

GAL'PERIN, Ye. I. and KOSMINSKAYA, I. P. (Moscow)
"Seismic Investigations of the Deep Crustal Structure According to the IUY Plan."

SAVARENSKIY, Ye. F. (Moscow)
"Determination of Earthquake Magnitude and Intensity in the USSR."

RIZNICHENKO, I. V. (Moscow)
"Quantitative Determination and Mapping of Seismic Intensity."

KEYLIS-BOROK, V. I. (Moscow)
"Estimation of Displacement in an Earthquake Source and of Source Dimensions."

KARUS, Ye. V. (Moscow)
"Absorption of Stationary Elastic Vibrations in Rocks."

(five of above authors attended the Conference)

SO: Bergshämie, July 1958, Doc1.

KOSMINSKAYA, I. P., KRIZMAN, P. G., GALPERIN, M. I., SAYLOJIKOVSKIY, M. A.,
ZVAREV, S. N., NICHOTA, G. G.

"Deep Seismic Sounding in the Zone of Transition Between the
Asiatic Continent and the Pacific Ocean."

Paper Presented at OSAGI Meeting, 30 Jul - 9 Aug 58, Moscow
Available in Library.

AUTHOR: Kosminskaya, I.P. SOV/5-58-4-4/43

TITLE: The Structure of the Earth's Crust According to Seismic Data (Stroyeniye zemnoy kory po seysmicheskim dannym)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskoy, 1958, Nr 4, pp 25-38 (USSR)

ABSTRACT: The author reviews seismic data on the structure of the Earth's crust. He considers the results of detailed studies made in various regions of the USSR by means of plutonic seismic research. In this connection, the names of the following scientists are mentioned: V.V. Belousov, Yu.N. Godin, V.N. Krestnikov, P.N. Kropotkin, M.V. Muratov, V.Ye. Khain, G.A. Gamburtsev, R.M. Demenitskaya, L.Ye. Aronov, G.I. Akseonovich, P.S. Veytsman, Me.I. Gal'perin, N.I. Davydova, M.A. Zayonchkovskiy, I.P. Kosminskaya, G.G. Mikhota, Yu.V. Tulina. The author comes to the conclusion that data on the structure of the crust obtained by seismic and gravimetric research make it possible to divide the crust according to thickness and structure into continental and oceanic zones. Research on the continents showed that the thickness of the crust varies in platform and folding areas. Results obtained during a more detailed study indicate the difference in the structure of the Earth's crust of ancient

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The Structure of the Earth's Crust According to Seismic Data

and young platforms and also of foldings of various age. Thus, important connections between the plutonic structure of the crust and the structure of its upper sections, which are accessible to geologic research methods, can be established. The determination of a regularity of these connections and their geologic-geophysical analysis throws light on the complex process linked with the formation of geological structures.

There are 8 graphs, 2 maps and 31 references, 29 of which are Soviet and 2 American.

1. Earth--Structural analysis
2. Seismographs--Performance

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SOV/49-58-7-3/16

AUTHORS: Gal'perin, Ye.I. and Kosminskaya, I.P.

TITLE: Methods of Seismic Depth Soundings at Sea (Osobennosti metodiki glubinnogo seysmicheskogo zondirovaniya na more)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya Geofizicheskaya, 1958, Nr 7, pp 833 - 847 (USSR)

ABSTRACT: The best results in determining the composition of the Earth's crust were obtained in the USA by employing a method of the seismic-depth sounding (S.D.S.) with the mobile points of detonation and the stationary registration stations. This method is one of the many which generally can be classified as follows:
The Method of a Stationary Point of Detonation is used in the majority of seismic surveys on land and sea. Several kinds of this method can be distinguished:
A) Continuous Profile Method - is the most common, also used in S.D.S. (Figure 1, I-A). This method offers the following advantages: 1) the differentiation of a single wave. 2) Determination of the wave travel time.
3) Determination of the wave relative velocity.
4) Continuous recording along the line of observation.
5) Construction of a continuous odograph.

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Methods of Seismic Depth Soundings at Sea

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B) Partly Continuous Profile Method (Figure 1, I-B) is employed mostly over large territories, mountains, etc. The seismic survey is based on the separate tracks with distances between them much larger than the wavelength. This method gives only the first three of the advantages listed above.

C) Pointed Registration (Figure 1, I-C) gives the time of wave travel only by offering the second and third of the above advantages. This method is employed with the strong detonations.

A quite different method is obtained when the mobile detonation points and the stationary registration stations are applied. This method can be divided into two main classes, depending whether one or more points of registration are used:

1) One Point of Registration.

a) Continuous shooting (Figure 1, II-1-A) can be employed together with the continuous profile method. This method is not largely used due to the difficulties of obtaining the detonations frequently enough.

Card2/10 b) Partly Continuous Shooting (Figure 1, II-1-B) gives

Methods of Seismic Depth Soundings at Sea

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the first three advantages listed above with the possibility of obtaining a partial wave odograph. It can be employed in place of the continuous profile method. However, this method is not much in use owing to many technical difficulties. c) Pointed Shooting (Figure 1, II-1-C) has only the first advantage, i.e. it gives the total travel time of one wave. 2) Multi-point Registration.

This method can be used effectively when there is a sufficient frequency of the point-to-point registrations - then the third advantage could be obtained.

Figure 1 shows the above systems grouped as follows: the top row - stationary point of detonation. The middle and lower rows - mobile points of detonation. The left column gives the most efficient methods: the continuous profile and continuous shooting - the right column - the least efficient methods: the pointed profile and pointed shooting. The middle column represents the intermediate methods: the partly continuous profile and partly continuous shooting. When the detonation and registration points are situated on land, the best methods employed are I-A,B. When the both points are at sea, the methods II-1 and II-2 are the

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Methods of Seismic Depth Soundings at Sea

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best (especially II-1-C). The method II-2-C is the best for the work carried out partly on land, partly at sea. Two methods (II-1-C and (II-2-C) were applied in the S.D.S. of the Caspian Sea in 1956 described below.

Methods of Observations - usually a greater area can be covered by the mobile detonations method at sea. This, coupled with the better odographs, better interpretation of the longitudinal and other profiles and the possibility of carrying the survey with fewer points of detonation

(Figure 2), decided in employing this method for S.D.S. of the Caspian Sea. Several other points were observed: the length of profiles (the length of odographs) was taken in relation to the depth of the sounding datum, which was deeper on land (30 - 40 km) and shallower (10-15 km) at sea. The distance from detonation to registration points was kept ~ 250-300 km on land and 80-100 km at sea.

Distance between the points of detonation and the observation ships was chosen to allow a group correlation between waves. This distance was changed along the line of profile. The distances between the observation ships were determined by

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