

KLEYN, G.K.

Limited use of the Coulomb theory in determining the active  
pressure of soil on bulkheads. Osn., fund. i mekh. grun. 2  
no. 1:5-7 '60. (MIRA 13:5)  
(Foundations) (Soil mechanics)

BYCHKOV, Dmitriy Vasil'yevich, prof.dokt.tekhn.nauk; ~~KLIM, Gheorgiy Konstantinovich,~~  
prof.; FEDULOVA, LOKKENBERG, Lidiya Konstantinovna, dots.; ~~POKRAJEV,~~  
Lev Petrovich, dots.; OSTROMENTSKIY, Yuriy Tsezarevich, kand. tekhn.  
nauk; CHELBAYEVA, Yevgeniya Mikhaylovna, assistant; GUSEV, Boris  
Mikhaylovich, inzh.; VILKOV, G.N., red. izd-va; TEMKINA, Ye. L.,  
tekhn. red.

[Manual for practical work in the theory of structures] *Rukovodstvo k  
prakticheskim zaniatiyam po stroitel'noi mekhanike. Izd.2., ispr. i  
dop. Moskva, Gos. izd-vo lit-ry po stroit., arkhit., i stroit. ma-  
terialam, 1961. 326 p.* (MIRA 14:9)

(Structures, Theory of --Study and teaching)

KLEYN, G.K., prof., doktor tekhn.nauk; VAVIZEL', I.K., inzh.; KAZARIN,  
A.A., inzh.

New graphs for determining loads exerted by vehicles on underground  
pipes. Stroi. truboprov. 6 no. 2:10-12 F '61. (MIRA 14:5)  
(Pipes)

KLEYN, U.K. (Moskva)

Calculating the width of a foundation base for bulkheads.  
Stroi.mekh.i rasch.soor. 3 no.3:14-18 '61. (MIRA 14:6)  
(Foundations)

KLEIN, G.K., doktor tekhn.nauk; KOROBV, S.V., inzh.

In regard to M.L. Gal'pern's article "Calculation of the extracting forces acting on the foundations of hinge-fastened power transmission line towers. Elek. sta. 32 no. 5-91-93 My '61. (MIRA 14:5)  
(Electric lines--Poles)  
(Gal'pern, M.L.)

KLEYN, C.K.

Relations between earth pressure and the resistance and strength  
characteristics of bulkheads. [Trudy] NII osn. no.47:4-18 '62.  
(MIRA 15:6)

(Earth pressure) (Retaining walls)

KLEYN, G.K.

Soil pressure on underground structures which are symmetrical in respect to the vertical axis. [Trudy] NIIOSP no.41:7-17 '59.

(MIRA 15:2)

(Rock pressure)(Underground construction)

KLEYN, G.K.

"Soil mechanics and foundation engineering" by V.G.Berezantsev and  
others. Reviewed by G.K.Klein. Osn., fund.i mekh.grun. 3  
no.6:28-29 '61. (MIRA 15:4)  
(Soil mechanics) (Foundations) (Berezantsev, V.G.)



DARKOV, Anatoliy Vladimirovich; KUZNETSOV, Vasiliy Ivanovich; Prinipali  
uchastiye: SINEL'NIKOV, V.V., doktor tekhn. nauk, prof.; KLEYN,  
G.K., doktor tekhn. nauk, prof.; SHPIRO, G.S., kand. tekhn. nauk;  
BYCHKOV, D.V., prof., retsentsent; REKACH, V.G., prof., retsentsent;  
BOCHAROVA, Yu.F., red. izd-va; GOROKHOVA, S.S., tekhn. red.

[Structural mechanics; statics structures] Stroitel'naya mekhanika;  
statika socrusheni. Moskva, Vysshaia shkola, 1962. 742 p.  
(MIRA 16:5)

(Strains and stresses)

KLEYN, G.K.

"Theory of earth pressure" [in German] by A.Kokdi. Reviewed by  
G.K.Klein. Osn., fund.i mekh.grun. 4 no.4:32-3 of cover '62.  
(MIRA 15:8)

(Earth pressure) (Kokdi, A.)

SNITKO, Nikolay Konstantinovich, zaal. deyatel' nauki i tekhn. RSFSR,  
doktor tekhn.nauk, prof.; GORBUNOV-POSADOV, M.I., prof.,  
retsensent; SHEKHTER, O.Ya., prof., retsensent; KLEYM, G.K.,  
prof., retsensent; KANDAUROV, I.I., doktor tekhn.nauk, prof.,  
nauchnyy red.; REYZ, M.B., red. izd-va; PUL'KINA, Ye.A.,  
tekhn. red.

[Static and dynamic earth pressure and the design of retain-  
ing walls] Staticheskoe i dinamicheskoe davlenie gruntov i  
raschet podpornykh stenok. Leningrad, Gosstroizdat, 1963.  
294 p. (MIRA 16:8)

(Earth pressure) (Retaining walls)

KLEYN, G.K., doktor tekhn. nauk, prof. (Moskva)

Determining the pressure of a free-flowing body on a sloping retaining wall. Issl. po teor. soorush. no.12:273-280 '63.  
(MIRA 16:6)

(Retaining walls) (Earth pressure)

KLEYN, G.K. (Moscow)

"Investigation of earth pressure on the retaining wall with special reference to its shifting and foundation rigity"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

**KLEYN, G. K.**

Ground pressure on the supporting wall depending on wall  
displacements and the rigidity of the foundation. *Osn.*,  
fund. 1 mekh. grun. 5 no. 1-4 '63. (MIRA 16:11)

KLEYN, Georgiy Konstantinovich; SIMVULIDI, I.A., prof., doktor  
tekhn. nauk, retsenzent; POL'SHIN, D.Ye., st. nauchn. sotr.,  
kand. tekhn. nauk, retsenzent; BORODINA, N.N., red.

[Calculating retaining walls] Raschet podpornykh sten.  
Yaroslavl', Vysshaya shkola, 1964. 195 p. (MIRA 17:8)

~~KLEYN, Gen'gily Konstantinovich, prof., doktor tekhn. nauk, prof.;~~  
REKACH, Vladimir Germanovich, doktor tekhn. nauk, prof.;  
ROZENBLAT, Genya Isaakovna, kand. tekhn. nauk, dots.;  
SMERNOV, A.F., prof., doktor tekhn. nauk, retsenzent;  
KOSTROMIN, V.S., prof., retsenzent; L'VIN, Ya.B., dots.,  
retsenzent; OSELED'KO, A.I., dots., retsenzent;  
BAFCHENKOV, A.G., dots., retsenzent; BYCHKOV, D.V., prof.,  
doktor tekhn. nauk, red.; KOROTKOVA, A.V., red.

[Manual for conducting lessons in a special course in  
structural mechanics] Rukovodstvo k provedeniiu zaniatii po  
spetsial'nomu kursu stroitel'noi mekhaniki. Moskva, Vys-  
shaia shkola, 1964. 295 p. (MIRA 18:3)



KLEYN, G.K.

Design sheet-pile enclosure in elastic and limiting stages of  
the reaction of foundation beds. Gen., fund. i mekh. grun.  
7 no. 6:3-6 '65. (MIRA 18:12)

KLEYN, G.K.

Determining the carrying capacities of underground pipelines  
according to various limiting states. Stroi. truboprov. 10  
no.8:12-16 Ag '65. (MIRA 18:11)

PESHKOVSKIY, L.M.; KLEYN, G.N., prof., doktor tekhn. nauk, retsenzent;  
KARAMYSHEV, I.A., nauchn. red.; KAMENETSKIY, I.I., nauchn.  
red.; AKATOVA, V.G., red.; SHVETSOV, S.V., tekhn. red.

[Designing footings and foundations for public and industrial  
buildings] Rascheti osnovanii i fundamentov grazhdanskikh i  
promyshlennykh zdani. Petrozavodsk, Rosvuzizdat, 1963.283 p.  
(MIRA 17:2)

KLEYN, O.S.

Device for signaling line groundings in stations with signal  
lights. Avtom. telem. i svyaz' 8 no.2:33-34. P '64.

(MIRA 17:6)

1. Starshiy inzh. laboratorii signalizatsii i svyazi Oktyabr'-  
skoy dorogi.

IA 2/49158

KLEYN, I. R.

DBSR/Medicine - Industry and Occupations, Jan 48  
Hygiene  
Chemistry - Hydrochloric Acid, Neutrali-  
sation of Vapor of

"Removal of the Harmful Action of Hydrochloric-  
Acid Vapor," I. R. Kleyn, 1 p

"Used From USSR" No 1

Results of tests conducted at the "Farmakon" Works.  
Basic process consists of neutralizing the vapor  
by chemical means--specifically by introduction of  
air saturated with gaseous ammonia.

2/49158

Asm KLEYN, L.A.

170-J. The Problem of Controlling  
Heat Treating Furnaces. (In Russian.)  
L. A. Klein. *Sov. Ekonomika* Paper.  
v. 9, Feb. 1962, p. 30-36.  
The planning of work per shift  
and per working stand in relation  
to fuel consumption and capacity  
of the furnaces. Data are tabulated  
and charted. (J general)

KLEYN, L.N.

New species of the genus *Leptocythere* from Apsheron sediments  
in southeastern Azerbaijan (Kura Lowland) and their stratigraphic  
importance. Trudy AzNII DN no.4:71-85 '56. (MIRA 14:4)  
(Kura Lowland—Ostracoda, Fossil)

KLEYN, L.M.

Results of the study of Pliocene and Post-Pliocene otoliths of  
fishes in the Kura Lowland in Azerbaijan. Trudy ANII DN no.10:  
101-121 '60. (MIRA 14:4)

(Kura Lowland—Otoliths)



KLEYN, L.S.

From the past to the future; natural science and the prospects of  
archaeology. Priroda 51 no.1:68-77 Ja '62. (MIRA 15:1)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.  
(Archaeology)

KIBT, U.S.

Diagnosis and therapy of chorioepithelioma of the uterus.  
Akush. i gin. no.2:123-125'63. (MIRA 16:10)

1. Iz ginekologicheskogo otdeleniya (zav. P.D.Sidorenko)  
Smolenskoj oblastnoy klinicheskoy bol'nitsy (glavnyy vrach  
M.G.Novikov)

(UTERUS -- CANCER)

KLEYN, P. N.

DREMYATSKIY, N.S.; KARPOV, V.V.; VOLOTSKOY, N.V., kand.tekhn.nauk,  
retsensent; KLEYN, P.N., insh., retsensent; MAVYAZHSKIY,  
L.G., red.; KAPLAN, M.Ya., red.isd-va; PUL'KINA, Ye.A.,  
tekhn.red.

[Handbook for electrical engineers for residences and  
public buildings. Edited by L.G.Naviashakii] Spravochnik  
proektirovaniya-elektrika zhilykh i grazhdanskikh zdani.  
Pod red. L.G.Naviashakogo. Leningrad, Gos.isd-vo lit-ry po  
stroit., arkhitekt. i stroit.materialam, 1959. 247 p.

(MIRA 13:1)

(Electric engineering--Handbooks, manuals, etc.)

KIZEVETTER, Ye.N.; KLEYN, P.N.; KHARCHEV, M.K. [deceased];  
 VOLOBRINSKIY, S.D.; GRODSKIY, S.Ye.; YERMILOV, A.A.;  
 KAYALOV, G.M.; LIVSHITS, D.S.; MAKSIMOV, A.A.; MESHEL',  
 B.S.; MUKOSEYEV, Yu.L.; OGORODNOV, S.I.; ROZENBERG, V.A.;  
 SHRAYBER, L.G.; ZALESSKIY, Yu.Ye., retsentsent; IOKHVIDOV,  
 E.S., retsentsent; FEDOROV, A.A., retsentsent; SAVEL'YEV,  
 V.I., red.; LARIONOV, G.Ye., tekhn. red.

[Temporary instructions for determining the electrical loads  
 of industrial enterprises] Vremennye rukovodiashchie ukaza-  
 niia po opredeleniiu elektricheskikh nagruzok promyshlennykh  
 predpriatii. Moskva, Gosenergoizdat, 1962. 45 p.  
 (MIRA 16:2)

1. Russia (1923- U.S.S.R.) Glavnoye energeticheskoye uprav-  
 leniye. 2. Leningradskoye otdeleniye Gosudarstvennogo pro-  
 yektnogo instituta tyazheloy promyshlennosti (for Kizevetter,  
 Kleyn, Kharohev). 3. Komissiya po elektricheskim nagruskam  
 Nauchno-tekhnicheskogo obshchestva energeticheskoy promyshlen-  
 nosti (for Volobrinakiy, Grodskiy, Yermilov, Kayalov, Livshits,  
 Maksimov, Meshel, Mukoseyev, Ogorodnov, Rosenberg, Shrayber).  
 (Electric power distribution)

ANASTASIYEV, P.I.; BROSTREM, A.A.; VESHENEVSKIY, S.M.; GEL'MAN, G.A.;  
GORNISHTSEYN, L.A.; ZIMENKOV, M.G.; KARVOVSKIY, G.A.;  
KIBLITSKIY, V.A.; KLEYN, P.N.; KLIMIKSEYEV, V.M.; KLYUYEV,  
S.A.; KNORRING, G.M.; KORENEVSKIY, A.N.; LEYBZON, Ya.I.;  
LIVSHITS, D.S.; LIGERMAN, I.I.; LOGINOV, O.I.; MILICH, M.B.;  
NAYFEL'D, M.R.; OKOROKOV, S.P.; POLYAK, A.B.; ROYZEN, S.S.;  
RYABOV, M.S.; SINITSYN, O.A.; SOLODUKHO, Ya.Yu.; SOSKIN, E.A.;  
STASYUK, V.N.; BOL'SHAM, Ya.M., red.; GRACHEV, V.A., red.;  
SAMOVER, M.L., red.; BORICHEV, I. Ye., red.; DANILENKO, A.I.,  
red.; KHRAMUSHIN, A.M., red.; YAKUBOVSKIY, F.B., red.;  
BRENDENBURGSKAYA, E.Ya., red.; KOMAR, M.A., red.; BORUNOV,  
N.I., tekhn. red.

[Hardbook on electrical systems of industrial enterprises  
in four volumes] Spravochnik po elektroustanovkam promyshlen-  
nykh predpriatii v chetyrekh tomakh. Pod obshchey red. I.E.  
Boricheva i dr. Moskva, Gosenergoizdat. Vol.1. [Design of  
electrical systems of industrial enterprises in two parts]  
Proektirovanie elektroustanovok promyshlennykh predpriatii  
v dyukh chastiakh. Pt.2. Pod red. I.A.M.Bol'shama i dr.  
1962. 598 p. (MIRA 17:3)

VOLOBRINSKIY, Sergey Davidovich; KAYALOV, Georgiy Mikhaylovich;  
KLEYN, Petr Nikolayevich; MESHEL', Boris Solomonovich;  
SYROMYATNIKOV, I.A., prof., retsenzent; KNYAZEVSKIY, B.A.,  
dots., retsenzent; GRODSKIY, S.Ye., red.

[Electrical loads of industrial enterprises] Elektricheskie  
nagruzki promyshlennykh pred'iyatiy. [By] S.D.Volobriniskii  
i dr. Moskva, Izd-vo "Energia," 1964. 303 p.  
(MIRA 17:8)

VOLOBRINSKIY, S.D., kand.tekhn.nauk, dotsent (Leningrad); ELZIN, P.N.,  
inzh. (Leningrad)

Determination of the electrical loads of industrial enterprises.  
Elektrichesvo no.3:90-92 Mr '64. (MIRA 17:4)

TOPOLYANSKIY, Abram Borisovich; KLEYN, P.M., inzh., nauchn.  
red.

[Organization of the electric power supply and electrical  
equipment of construction sites] Organizatsiia elektro-  
snabzheniia i elektrooborudovaniia stroitel'nykh ploshcha-  
dok. Moskva, Stroiizdat, 1965. 249 p. (MIRA 18:7)



VOLOBRINSKIY, S.D.; KAYALOV, G.M.; KLEYN, P.N.

Reply to D.S.Livshits's remarks on the discussion of the methodology  
for determining the loads of industrial electrical distribution  
networks of plants. Elektrichestvo no.5:88-89 My '65. (MIRA 18:6)

ZIPKAKI, J.N., insh; KLEIN, P.N., insh.

Guarantee of adequate safety in electroplating shops. From  
emrg. 20 no. 12124-25 D '65.

(MIRA 18,12)

ACCESSION NR: AP4033122

5/0120/64/000/002/0108/0109

AUTHOR: Barantsev, V. S.; Kalyatskiy, I. I.; Kleyn, R. E.

TITLE: Mobile 300-kv 10-cps pulse generator

SOURCE: Pribery\* i tekhnika eksperimenta, no. 2, 1964, 108-109

TOPIC TAGS: surge generator, pulse generator, 300 kv pulse generator,  
10 cps pulse generator, mobile 300 kv pulse generator

ABSTRACT: A 300-kv pulse generator with a  $10^{-7}$ -sec front and a repetition frequency of 10 cps, intended for "special application," is briefly described. An LC charging circuit, charging choke coils, and separation inductances are used. "The generator satisfactorily passed a cycle of tests with a short-circuited load, at 15 cps and an amplitude of 300 kv." Data given: front duration,  $0.2 \times 10^{-6}$  sec; number of stages, 7; capacitor type, KBGP-10, 0,5; impact capacitance, 18 nf; charging choke, 65 h; separation inductance, 1.43 mh; pulse energy, 800 joules. Orig. art. has: 2 figures and 1 formula.

Card 1/2

ACCESSION NR: AP4033122

ASSOCIATION: Tomskiy politekhnicheskiy institut (Tomsk Polytechnic Institute)

SUBMITTED: 30 May 63

ATD PRESS: 3065

ENCL: 00

SUB CODE: EC

NO REF SOV: 000

OTHER: 000

Card

2/2

BAKUNTS, V.S., inzhener; BAKINOVSKIY, K.L., inzhener; ALEKSEYENKO, S.A.;  
F'AKHIN, inzhener; PILIYAN, D.G. (Krasnodar); TEREKHOV, P.A., inzhener;  
KLEIN, B.M., inzhener (Leningrad); GASSOKH, A., inzhener; GUSEV, T;  
ALEKSIANDROV, elektromonter (Omskaya oblast'); SAVIN, I.A., inzhener;  
KOLOMYETS, I. (Omskaya oblast').

Arranging and insulating the ground wire of aerial lines. Energetik 1 no.6:  
32-35 N '5). (MLRA 6:11)

1. Zakavkazstvevmestroy, g. Yerevan (for Bakunts).
2. Belenergostroy, g. Minsk (for Bakinovskiy).
3. Stalinskaya shelesnaya doroga, g. Zaporozh'ye (for Aleksyenko).
4. Sel'elektro, g. Sumy (for Terekhov).
5. Glavsel'elektro, Komi ASSR (for Gassokh).
6. Gorelektroset', g. Shcherbakov (for Gusev).
7. Gorodskaya elektrostantsiya, g. Valuyki (for Aleksandrov).
8. Oblast'nosproyekt, g. Pskov (for Savin).

(Electric lines--Overhead)

KLEYN, S. N.

KLEYN, S. N. "An analysis of etiopathogenetic factors of stillbirth for purposes of its prophylaxis", (Based on material from the Seolensk Lying-in Hospital), Trudy Sov. gos. med. in-ta, Vol. II, 1948, p. 214-19.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

KLEYN, S. M. Prof.

"Vaginal Hysterectomy as a Method of Treatment of Extensive Prolapse,"  
Sov. Med., No.5, 1948

Chair Obstetrics and Gynecology, and Obstetrics and Gynecology Clinic, Smolensk  
Med. Inst.

Klyon, S. M.

25979

Primeneniye gramitsid-ina v akusherstvo i ginekologii. Sov. Meditsina,  
1949, NO. 9, s. 25-26.

SO: LETOPIS' NO. 40.



KLEIN, S.H.

Arrhenoblastoma of the ovary diagnosed preoperatively, Akush.  
1 gir. 36 no.1:107-109 Ja-F '60. (MIRA 13:10)  
(OVARIES—TUMORS)

KLEYH, V.O., kand.med.nauk

A case of removal of pheochromocytoma. Khirurgiia 34 no.10:135-136  
O 138 (MIRA 11:11)  
(ADRENAL GLANDS--TUMORS)

~~KLBYE, V.G.~~ kand. med. nauk (Voroshilov).

Two cases of priapism. Urologia 23 no.6:59-60 N-D '58. (MIRA 11:12)  
(PRIAPIEM, case reports  
(Rus))

**KLEIN, V.G., kand.med.nauk (g. Voroshilov, Primorskogo kraja)**

Cases of pain in horseshoe kidney with duplication of one of its  
halves. Urologia 24 no.2:55-56 Kr-Ap '59. (MIRA 12:12)

(KIDNEYS, abnorm.)

horseshoe kidney with duplication of one part (Eng)

KLEIN, V.G.

Aneurysm of the renal artery. Urologia 25 no.2:50 Mar-Apr '60.  
(MIRA 13:12)

(RENAL ARTERY—DISEASES) (ANEURYSMS)

KLEYN, V.G., kars.med.nauk, podpolkovnik meditsinskoy sluzhby

Some problems in the treatment of urological diseases using  
antibiotics. Urologia 25 no.1:28-30 Ja-F '60. (MIRA 15:6)  
(ANTIBIOTICS)  
(URINARY ORGANS--DISEASES)

KLEYN, V. G., kand. med. nauk; LEVINSKAYA, B. M., (Ussuriysk)

Acute suppurative diseases of the retroperitoneal space of appendicular etiology. Urologia no.6:26-27 '61. (MIRA 15:4)

(APPENDICITIS) (RETROPERITONEAL SPACE-DISEASES)

KLEYN, V. G., kand. med. nauk (g. Ussuriysk)

Acute paranephritis. Urologia no.2:16-20 '62.

(MIRA 15:4)

(KIDNEYS--DISEASES)



POLOV'YANTS H.S. (Ussuriysk); KLEYN, V.G., kand. med. nauk (Ussuriysk);  
BORTHIKOV, O.G., kand. med. nauk (Ussuriysk)

Surgical treatment of cryptorchism. Urologia. 29 no.3:13-16  
My-Je '64. (MIRA 18:10)

KLEYN, V.S., kandidat meditsinskikh nauk (Vologda)

Clinical aspects, diagnosis and treatment of Botkin's disease.  
Vel'd. i akush. 22 no.1:18-24 Ja '57 (MLBA 10:4)  
(HEPATITIS, INFECTIOUS)

KLEIN, Ya. N.

Rapid determination of silica in portland cement raw materials and clinker by coagulation method. V. I. Illiminskaya and Ya. N. Klein. Tsement 14, No. 5, 21-2 (1948).- This method is based on coagulation of negatively charged  $\text{SiO}_2$  by pos. colloids. To a 0.5 g. sample of clinker add  $\text{H}_2\text{O}$  5 and  $\text{HCl}$  (d.1.19) 15 ml. Boil for 8-10 min., remove from heating plate, add 10 ml. of 1% joiner's glue soln., and stir for 2-3 min. Dil. to 40 ml., stir, and filter, by suction. Wash 5 times with 1%  $\text{HCl}$  and 6 times with hot  $\text{H}_2\text{O}$ . In Pt crucible ash ppt. slowly and ignite at  $1000^\circ$  to const. wt. Subtract the wt. of ash in the coagulating soln. The av. deviation from the method of 1 time sepn. of  $\text{SiO}_2$  was 0.03-0.35%. For samples requiring decompn. by carbonate fusion decomp. 0.5 g. sample with  $\text{Na}_2\text{CO}_3$  in a Pt crucible, cool, transfer into a porcelain dish, add 30 ml. of 1%  $\text{HCl}$ , cover, and heat on water bath until evolution of  $\text{CO}_2$  ceases. Rinse cover and evap. to dryness but do not drive off  $\text{HCl}$  odor. Toward the end of drying titurate ppt. with glass rod. Cool, add 30-35 ml. of  $\text{HCl}$  (1.19), cover, and heat for 5 min. at  $70-80^\circ$ . Remove cover, add 10 ml. of 1% joiner's glue soln., stir for 5 min., replace on bath for 15 min., rinse cover and dish edges, filter, and finish as before. M. H.

KLEYN, Ye. E.

"The Influence of Acetylcholine on the Distribution of Potassium in the Muscle Tissue," *Bichim.*, 9, No.5, 1964

Dept. Biochem., Physiological Inst. im. I. S. Beritashvili, AS GeosSR

KLEYN, Ye. E.

"On the Mechanism of the Action of Acetylcholine on Muscle Tissue," *Biochim.*,  
11, No.3, 1946

Dept. Biochem., Physiological Inst. im. I. S. Beritashvili, AS GecSSR

ZAALISHVILI, M.F.; KLEYN, Ye.B.

Microcolorimetric determination of histamine. *Sob. AN Gruz. SSR* 9  
no.3:167-171 '48. (MLBA 9:7)

1. Akademiya nauk Gruzinskoy SSR, Institut fiziologii imeni  
I.S. Beritashvili, Tbilisi. Predstavlene chlenom-korrespondentem  
Akademii P.A. Kometiani.  
(Histamine)

KOMETIANI, P.A.; KLEYN, Yelena.

Intensity of oxidizing processes in different regions of the brain.  
Seeb. AN Grus. SSR 9 no. 4:217-223 '48. (MIRA 9:7)

1. Chlen-korrespondent Akademi (for Kometiani)  
(BRAIN) (OXIDATION, PHYSIOLOGICAL)

KOMETIANI, P.A.; KIMIN, Yelena.

Distribution and amount of enzymatic decomposition of acetylcholine, adrenalina, and histamine in different regions of the brain. Seeb. AN Grus.SSR 9 no.5:277-283 '48. (MIRA 9:7)

1.Chlen-korrespondent AN GSSR (for Kometiani).2.Akademiya nauk Gruzinskoy SSR, Institut fiziologii imeni akademika I.S.Beritashvili, Tbilisi.

(Enzymes) (Brain)



KLEYN, E. E.

Kleyn, E. E. "Rubber-treated conveyor belts for agricultural harvesting machinery",  
Nauch.-issled. trudy (Tsentr. nauch.-issled. in-t khlopchatobumazh. prom-sti),  
Issue 2, 1949, p. 100-04.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

Chemical Abstracts  
Vol. 48 No. 5  
Mar. 10, 1954  
Biological Chemistry

*Konstantini  
1/2.*

Investigation of the catalytic activity of different portions of the brain. P. A. Konstantini and E. R. Klein (Acad. Sci. USSR, Tbilisi). *Ukrain. Biochem. Zh.* 22, 418-19 (1952) (in Russian). —Cl was detd. according to Sandrow; acetylcholine according to Warburg (C.A. 29, 2545); adrenaline according to Ellow (C.A. 32, 3445) as modified by Utevskii and Sutton (C.A. 43, 743); succinate dehydrogenase activity according to Warburg, as modified by Sumegi and Wheatley (C.A. 32, 7000); succinate oxidase activity by O<sub>2</sub> absorption after succinate addition, O<sub>2</sub> being measured manometrically; cholinesterase activity manometrically in the Warburg app.; uric acidase manometrically as described by Blackie, et al. (C.A. 32, 2682); glutamic dehydrogenase by O<sub>2</sub> absorption in a Warburg respirometer according to Edlbacher and Wink (C.A. 46, 1678). In 9 bovine brains av. values for dry matter, Cl, intracellular water, and extracellular water, resp., were: white matter of the cerebrum 31.5%, 1.28 mg./g., 20.5%, and 28.0%; gray matter of cerebrum 17.8%, 1.58 mg./g., 26.9%, and 45.2%; cerebellum 31.0%, 1.47 mg./g., 26.0%, and 40.0%; thalamus 27.7%, 1.28 mg./g., 26.3%, and 34.0%; medulla 20.3%, 1.57 mg./g., 21.5%, and 27.1%. Water distribution between extra- and intracellular phases of brain tissue was calcd. on the assumption that all the Cl is in the extracellular phase; thus the calcs. is only approx., since some Cl is intracellular. Succinic dehydrogenase and succinate oxidase activities in micro-moles of gas/mg. of dry wt. tissue/hr. are: lobar white matter 7.3, 0.6; lobar gray matter 24.2, 4.0; cerebellum 24.2, 2.8; thalamus 14.0, 2.6; medulla 11.2, 2.1. The ratios of intracellular dry substance to intracellular water are 0.47 for lobar white matter, 0.23 for gray matter, 0.28 for cerebellum, 0.28 for thalamus, and 0.43 for medulla. This ratio gives a conception of the quantity of protoplasm and the extent of its water supply; the data indicate that the activity of oxidative enzymes depends upon the amt. of

P.A.

Konstantini & E.E. Klein  
7/2

protoplasm and its water content, and that the intracellular phase possesses the greater enzymic activity which contains the more water. Cholinesterase activity decreases in the order lobar gray matter > cerebellum > thalamus > medulla > lobar white matter; which is the same sequence as with succinic dehydrogenase and succinic oxidase. It is inversely proportional to the ratio of dry substance to intracellular water. Adrenaline content in  $\mu\text{g. dry substance}$ , and succinic oxidase activity (in microbars  $\text{O}_2$  consumed/ $\mu\text{g. dry substance/hr.}$ ), temp., are: lobar white matter 0.78, 1.7; lobar gray matter 1.25, 7.0; cerebellum 1.05, 6.5; thalamus 1.24, 2.8; medulla 0.50, 1.9. In peripheral nerve, most of the acetylcholine is intracellular; most of the adrenaline, extracellular. This is explained by assuming that acetylcholine is intracellularly synthesized, and adrenaline is brought to the cell. Of all amino acids, oxidative decarboxilation of glutamic acid is most intense in the brain. Glutamic acid is oxidized in the brain by glutamic dehydrogenase, in the presence of coenzyme I, diaphorase, the cytochrome system, adenosinetriphosphatase, and pyridoxal. (Glutamic dehydrogenase activity in microbars  $\text{O}_2$  consumed/ $\mu\text{g. dry tissue}$ : lobar white matter 0.09, lobar gray matter 0.20, cerebellum 0.26, thalamus 0.22, medulla 0.18. Glutamic dehydrogenase appears to be a more characteristic enzyme for nerve-cell formation than any of the other enzymes studied.

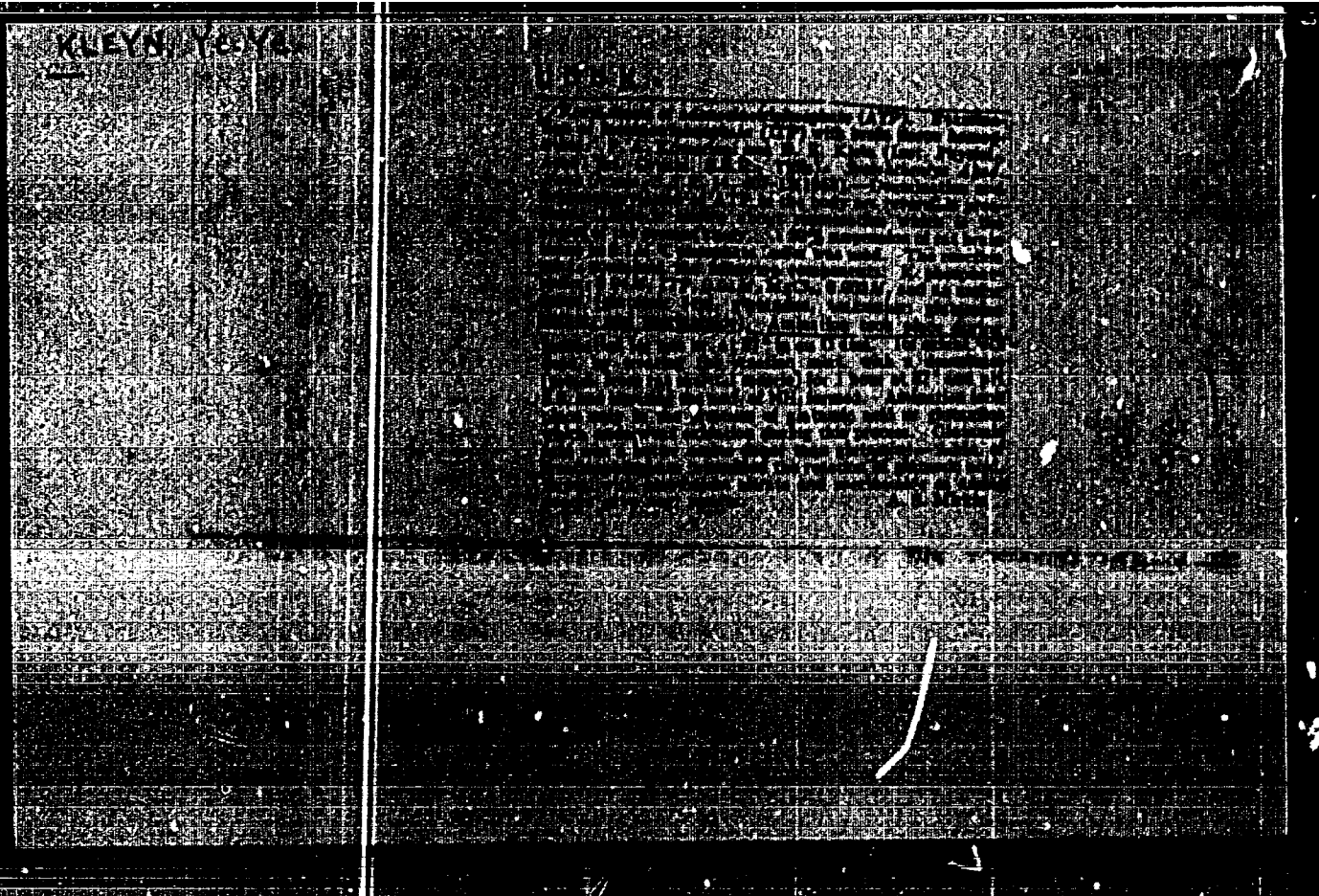
Clayton F. Hooley

KLEYN, Ye. Ye.

(2)

Oxidative decarboxation of L-glutamic acid in brain homogenates. V. E. Kleyn (Inst. Physiol., Acad. Sci. Georgian S.S.R., Tbilisi). *Sovetskaya Akad. Nauk Grazh. S.S.S.R.* 15, 273-80(1962).--Homogenates of hamster brains were prepd. in 1.1% aq. KCl. Data are for 30-min. runs in a Warburg respirometer at 0°. By using K phosphate buffer at pH 7.5, max. O<sub>2</sub> was at 0.04 M PO<sub>4</sub><sup>3-</sup>; similarly, optimum concn. of adenosinetriphosphate was 0.03 M. The addn. of azidehydrazine I (I) and prepna. concn. diaphorase and cytochrome c (II) accelerates the decarboxative oxidation. Nicotinamide is of value in that it inhibits decarbox. of I. II alone has no influence on the reaction. J. P. Danchy.

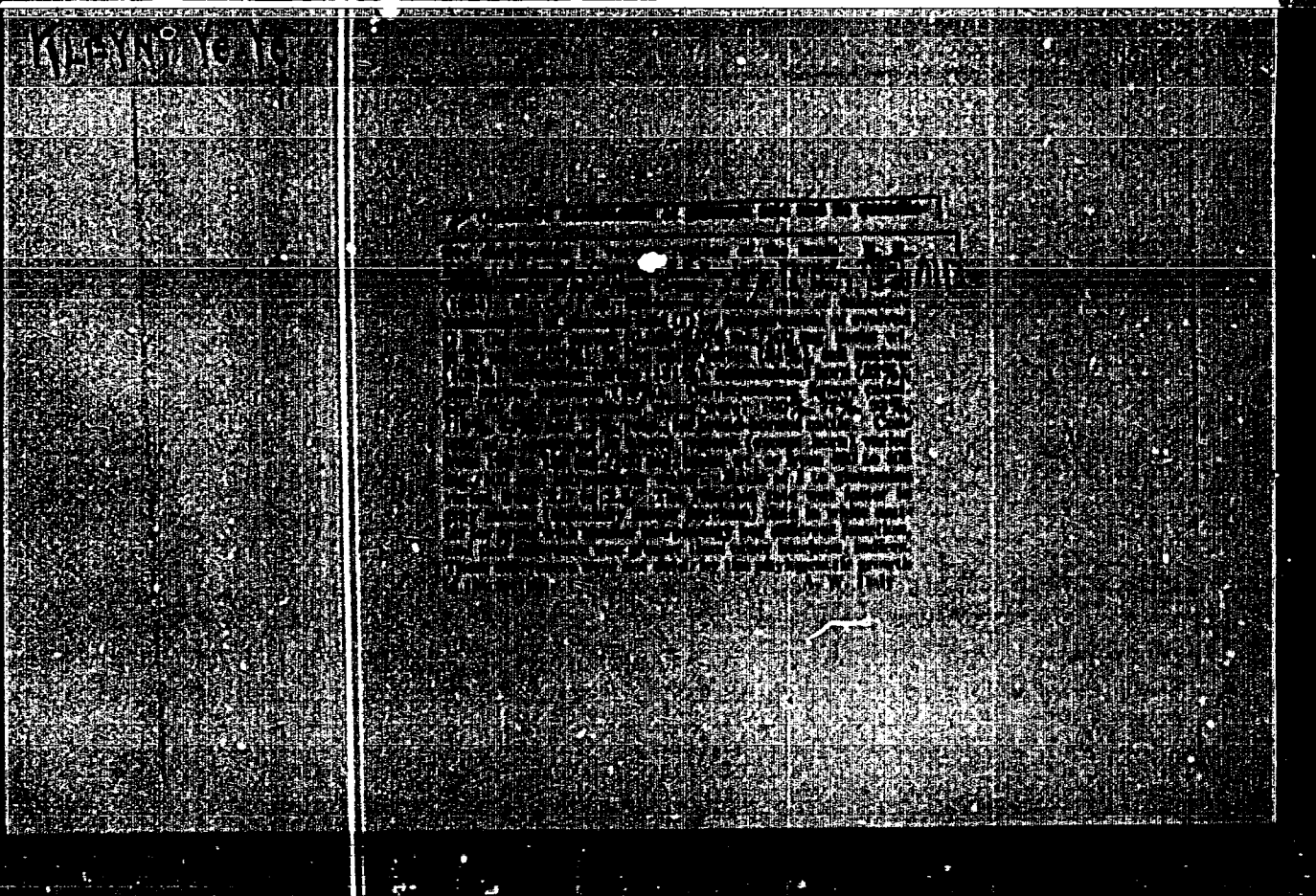
Chemical Abst.  
Vol. 48 No. 9  
May 10, 1954  
Biological Chemistry

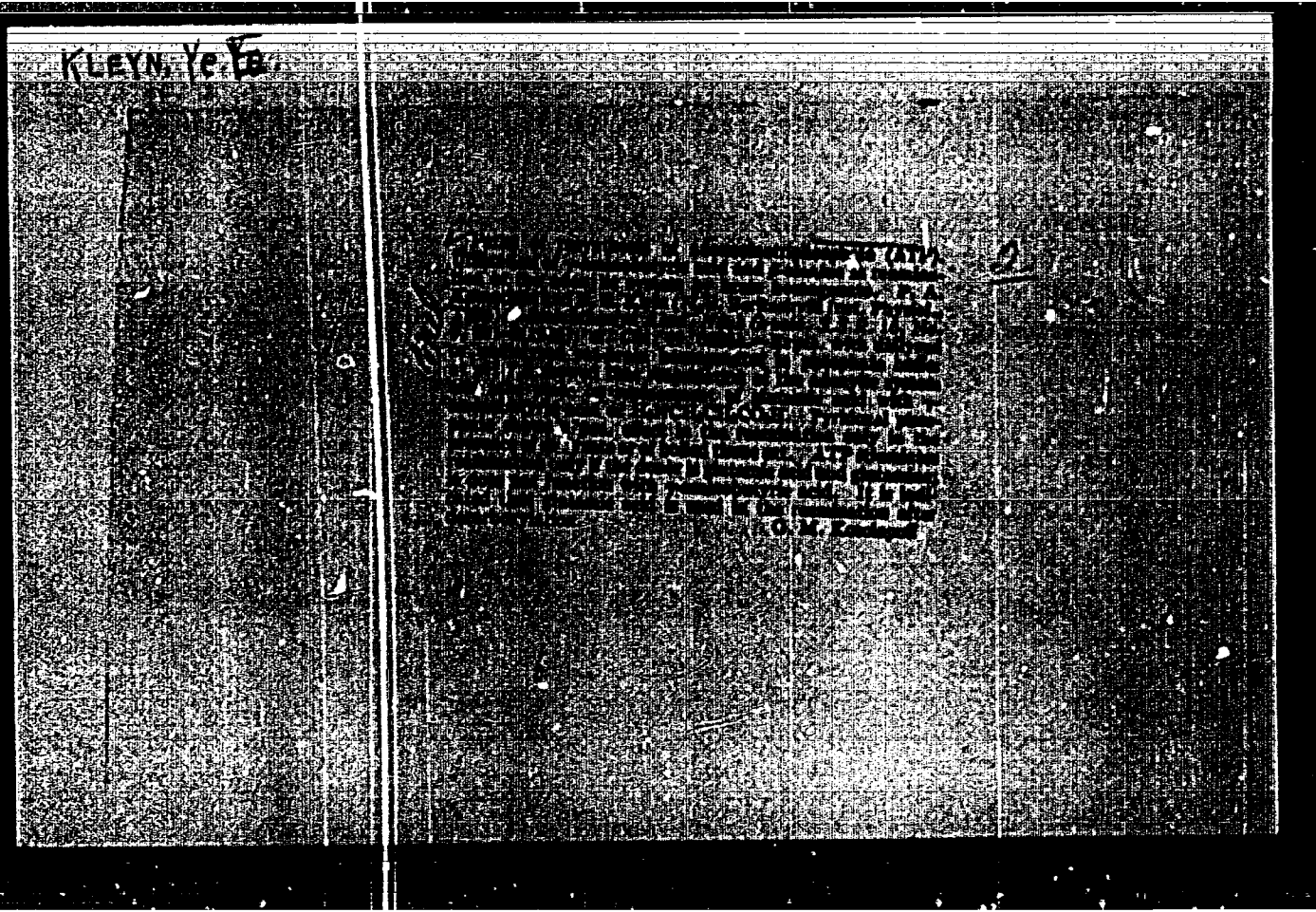


KLEYN, Ye. ~~Y.~~

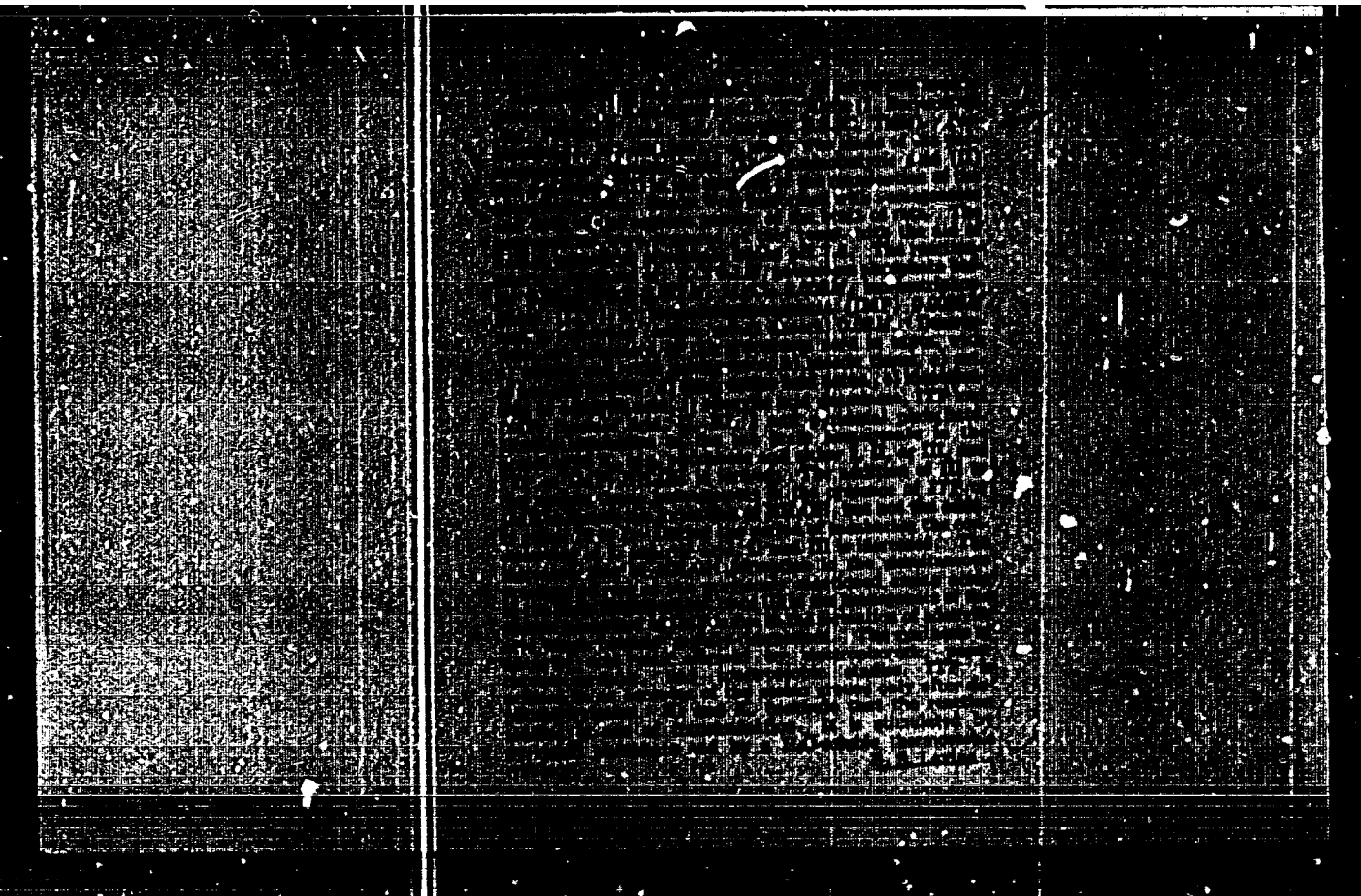
Dissertation: "Oxidizing Desamination and Quantitative Distribution of Glutamic Acid in Various Parts of the Brain." Cand Biol Sci, Inst of Physiology, Acad Sci Georgian SSR, Tbilisi, 1954. (Referativnyy Zhurnal—Khimiya, Moscow, No 10, May 54)

SO: SUM 318, 23 Dec 1954









EXCERPTA MEDICA Soc.2 Vol.10/11 Phy.Biochem. Nov 57

KLEYN E.E.

4765. KLEYN E.E. Tbilis. \*Glutamic acid in the metabolism of  
the cerebrum (Russian text) USP.SOV.R. BIOL. 1956, 11/2(161-176)  
A critical review of some 100 papers dealing with the subject, about one-half of  
them in Russian, concluding that glutamic acid metabolism is closely connected  
with the processes of excitation and inhibition. Glutamic acid is 'a participant in the  
system of dicarboxylic acids, which plays a role as one of the regulators of meta-  
bolism'. Glutamic acid is especially important because of its high concentration  
and the rapidity of its transformations, which 'form a link in many important reac-  
tions for nervous tissue: removal (and, perhaps, liberation) of ammonia, synthesis  
of ACh and ATP, transport of K ions'. Kleitman - Chicago, Ill.

USSR/Human and Animal Physiology - Nervous System.  
Metabolism.

T-10

Abs Jour : *Rol' Zhur - Biol.*, No 18, 1958, 84563

Author : Klavan, Ye.E.

Inst : AS Georgian SSR. - *Instit. Physiology in I.S. Beritashvili*

Title : Conversion of Amino Acids Participating in the Resynthesis  
of the Adenylic System in Homogenates of the Brain.

Orig Pub : *Sovetsk. AN GruzSSR*, 1957, 18, No 6, 703-710

Abstract : Brain homogenates of rats were incubated under aerobic and  
anaerobic conditions. After incubation, contents of free  
amino acids (I) were determined with the electrophoretic  
method. During incubation, a rapid disintegration of glu-  
tamine (II), an increase of the  $\gamma$ -aminolipin (III) amount,  
and of asparagine (IV) acids took place. Glutamic acid (V)  
content rose after 15 minutes, and returned to normal after

Card 1/2

KLEYN, Y. S.

Sources of ammonia formation in the brain tissue. Trudy Inst. fiziol.  
AN Grus. SSR 12:153-161 '61. (MIRA 15:2)  
(BRAIN) (AMMONIA)

KLEYN, Ye.E.

Ammonia formation in brain tissues as affected by pharmacological agents. Trudy Inst. fiziol. AN Gruz. SSR 13:173-180 '63. (MIRA 17:6)

KOMETIANI, P.A.; Prinsipali uchastiye: KLEYN, Ye.E.; CHIKVAIDZE, V.N.; GVALIYA, N.V.; IORDANISHVILI, G.S.

Relation between amino acid transformations and ammonia metabolism in the brain. Ukr.biokhim.zhur. 37 no.5:721-733 '65.

(MIRA 18:10)

1. Institut fiziologii AN GruzSSR, Tbilisi.

BYALIK, V.L.; KLEYN, Ye.O.

Pathogenesis of acute coronary insufficiency and myocardial infarct  
in chronic septic endocarditis. Klin. med. 38 no. 2:49-54 F '60.

(MIRA 14:1)

(ENDOCARDITIS) (HEART--INFARCTION) (CORONARY HEART DISEASE)

KLEYN, YE. YE. (USSR)

"Formation and Elimination of Ammonia in the Cerebrum under Various Conditions."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961



GOL'DENBERG, L.A., kand. istoricheskikh nauk; KLEYNER, Yu.M. (Moskva)

In a century and a half; changes in the coastlines of the  
Caspian and Aral Seas. Priroda 52 no.11:97-99 '63.  
(MIRA 17:1)

KLEYN, Yu. S.

Bone marrow in hemorrhagic fever. *Klin. med.*, Moskva 29  
no.8:77-80 Aug 1951. (CML 20:11)

1. Of the Department of Infectious Diseases (Head -- Prof.  
A. F. Bilibin), Moscow Medical Institute of the Ministry of  
Public Health RSFSR.

KLEYN, Yu. S.

"Hemopoiesis in Certain Infectious Diseases," *Trudy Smolenskogo Meditsinskogo Instituta (Works of the Smolensk Med. Inst.)*, Smolensk, Vol.4, pp. 287-92, 1952

**KLEYN, Yu.S.** kandidat meditsinskikh nauk (Vologda)

Diagnosis of dysentery in adults. Fel'd. i akush. no.6:32-35  
Je '55. (MLRA 8:8)  
(DYSENTERY, diag.)

NIKITIN, A.N.; KLIVIN, Yu.S.; SHOKHAROVA, V.I.

Phagocytic index in combined therapy of dysentery. Zhur.  
mikrobiol.epid. i immun. no.11:67-69 N '55. (MLBA 9:1)

1. Iz Vologodskogo oblastnogo otdeleniya perelivaniya krovi  
(nach-saslushennyy vrach RSFSR A.N.Nikitin), Vologodskoy  
gorodskoy ob"edinennoy bol'nitsy (glavnyy vrach S.F.Shvarev)  
i Vologodskoy gorodskoy infektsionnoy bol'nitsy (glavnyy  
vrach N.I.Denisyuk)

(DYSENTERY, BACILLARY, therapy,  
chemother, combined, eff. on phagocytic index)  
(PHAGOCYTOSIS, in various diseases,  
dysentery, bacillary, eff. of combined chemother)

KLBYN, Yu.S.

Peripheral blood in Omsk hemorrhagic fever. Probl.gemat. i perel.  
krovi 1 no.3:29-31 My-Je '56. (MLRA 10:1)

1. Is kafeiry infektsionnykh bolezney (sav. - prof. A.F.Bilibin)  
Moskovskogo Meditsinskogo instituta Ministerstva zdavookhraneniya  
RSFSR i klinicheskoy laboratorii (sav. - prof. Ye.A.Kost) bol'nitsy  
imeni S.F.Sotkina.

(EPIDEMIC HEMORRHAGIC FEVER, blood in  
component correlation)

(BLOOD, in various dis.  
epidemic hemorrh. fever, component correlation)

*KLEYN, YU. S.*

KLEYN, Yu.S., kand.med.nauk (Vologda)

Concurrent dysentery and lablissis. Vrach.delo supplement

1957:77

(MIRA 11:3)

(LAMBLIASIS) (DYSENTERY)

*KLEYN, YU. S.*

HEMORRHAGIC FEVER

"The Clinical Picture of a Peculiar Two-Phase hemorrhagic Fever (Smolenskaya)", by Candidate of Medical Sciences Yu.S. Kleyn, Klinicheskaya Meditsina, No 5, May 1957, pp 132-138.

The above disease originated in the mixed forests zone of Smolenskaya oblast' towards the end of May, 1950, and reaching the climax in the middle of June, it lasted right through the summer. According to epidemiological research, the transmission of the disease by contact among persons was absent. Apparently, the source of infection for human beings originated in the feces and urine of rodents, and the transmission occurred through the air. The viral etiology of this disease has been established in the Institute of Virology of the Academy of Medical Sciences of the USSR. A total number of 48 persons, of whatever age, were affected in 1950.

The disease was marked as belonging to the group of hemorrhagic fevers and the symptoms are described as follows: headache, fever (5-7 days), regional hypermia, hemorrhages of short duration, eruptions,

*Vologodsk Infectious Hospital*

KLEYN, Yu.S., kand.med.nauk (Vologda)

Diagnosis and treatment of typhoid fever. Fel'd. i skush. 23 no.1:  
5-11 Ja '58. (MIRA 11:3)  
(TYPHOID FEVER)



KLEYN, Yu.S.

Dynamics of Vidal's reaction in the treatment of typhoid fever with antibiotics. Lab.delo 5:30-31 8-0 '59. (MIRA 12:12)

1. Iz Vologodskoy infektsionnoy bol'nitsy (glavnyy vrach N.A. Komissarova).

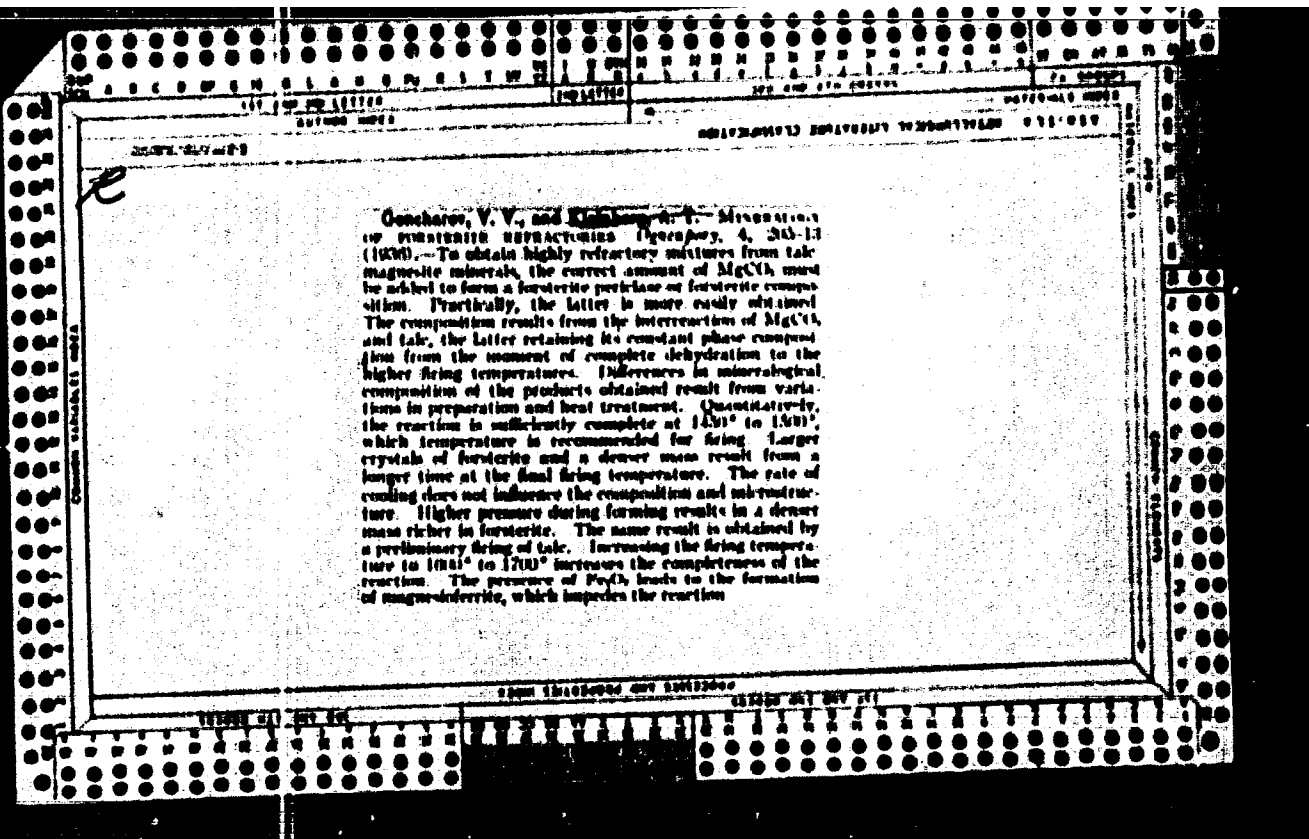
(TYPHOID FEVER--DIAGNOSIS--AGGLUTINATION REACTION)  
(ANTIBIOTICS)

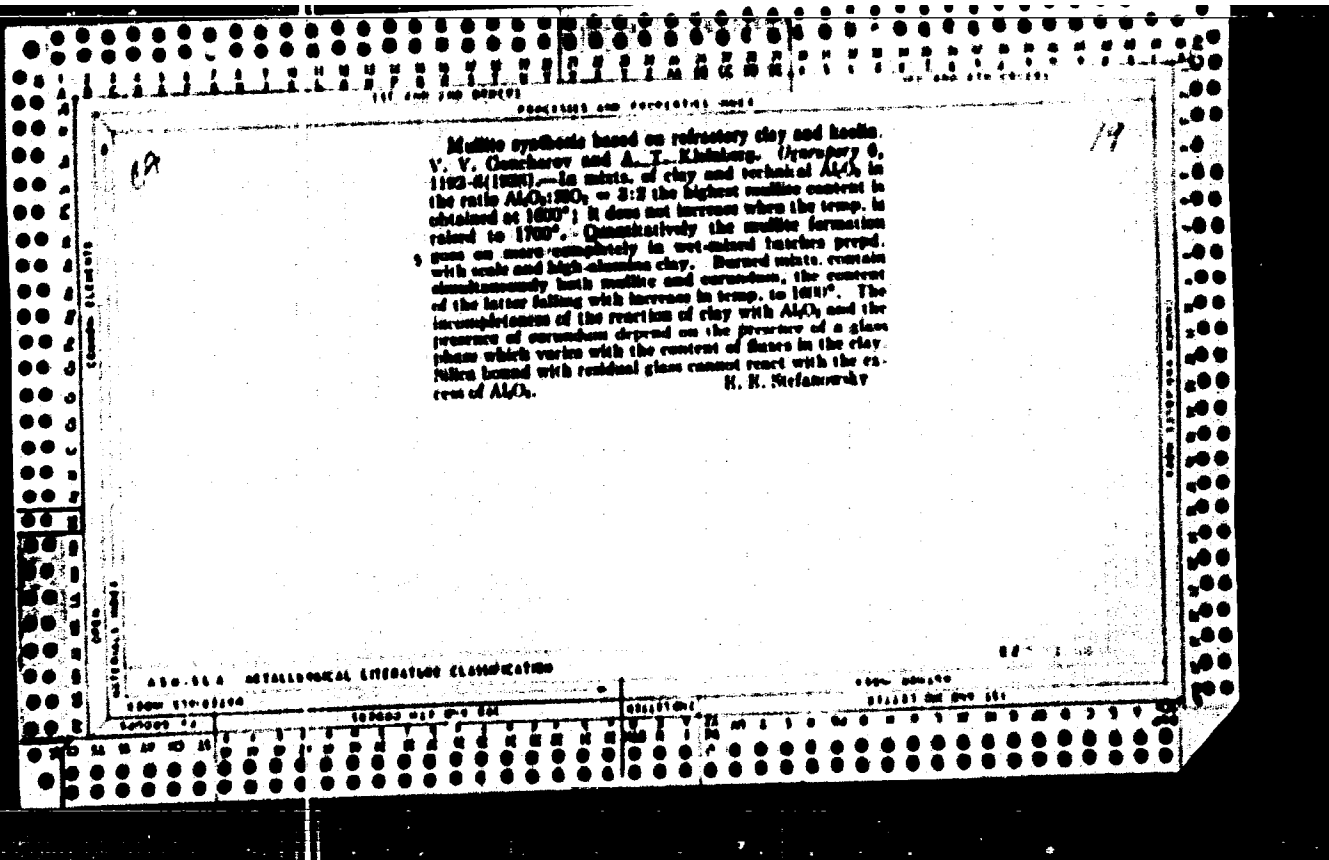
KLEYN, Yu. S.; IOEL'; A. A.

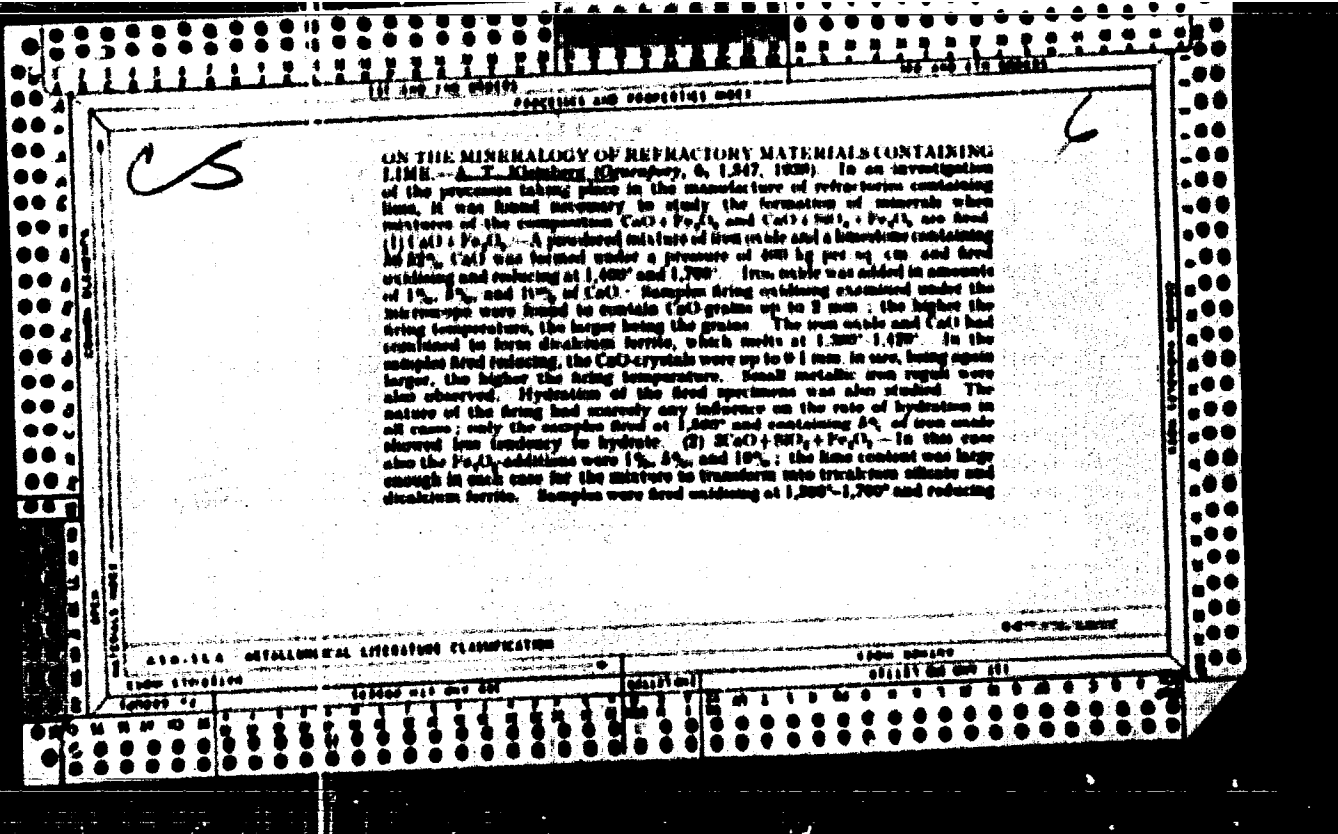
Asymptomatic infectious lymphocytosis. Probl. gemat. i perel.  
krovi no.8:55-56 '62. (MIRA 15:7)

1. Iz Vologodskoy gorodskoy bol'nitsy (glavnyy vrach S. F. Shvarev)

(LYMPHOCYTES)

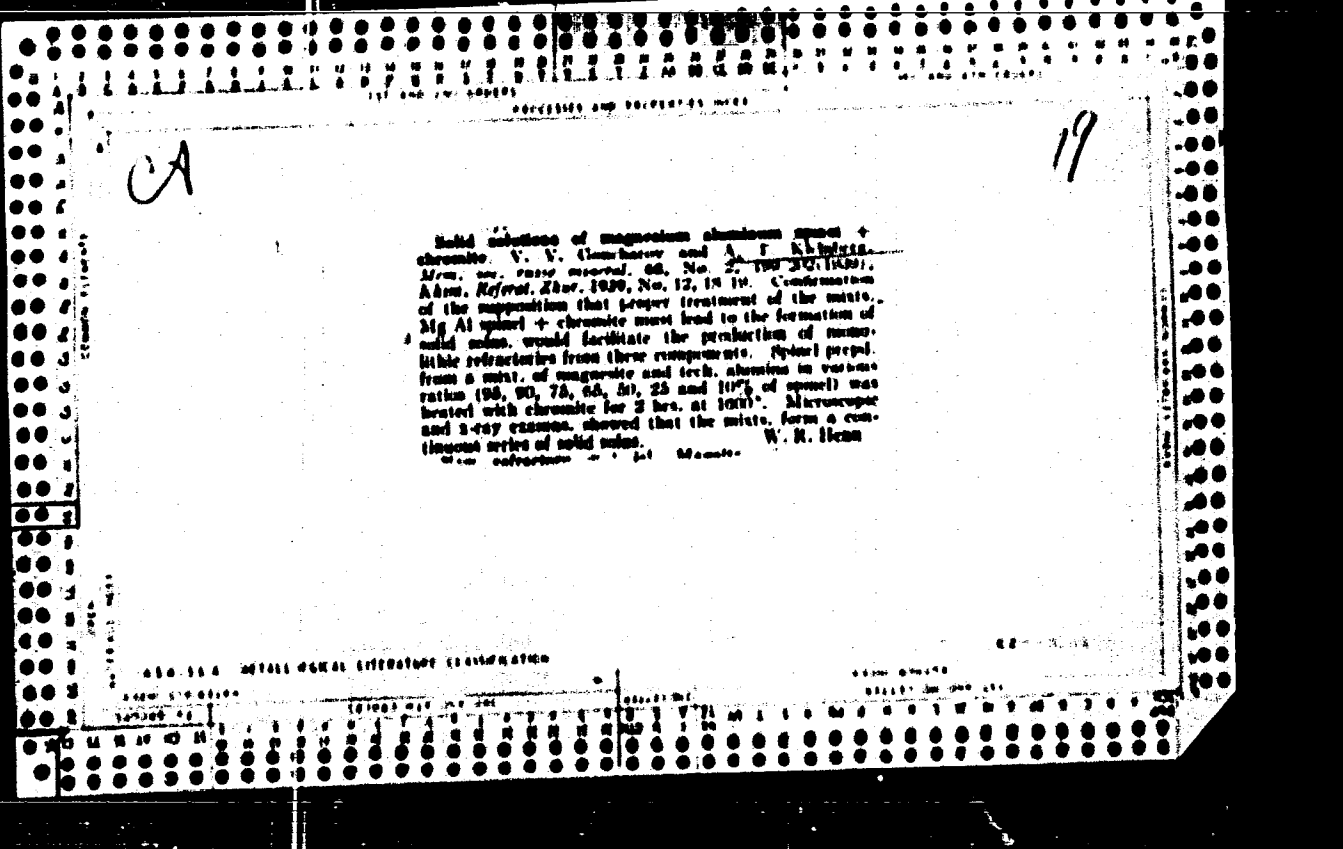


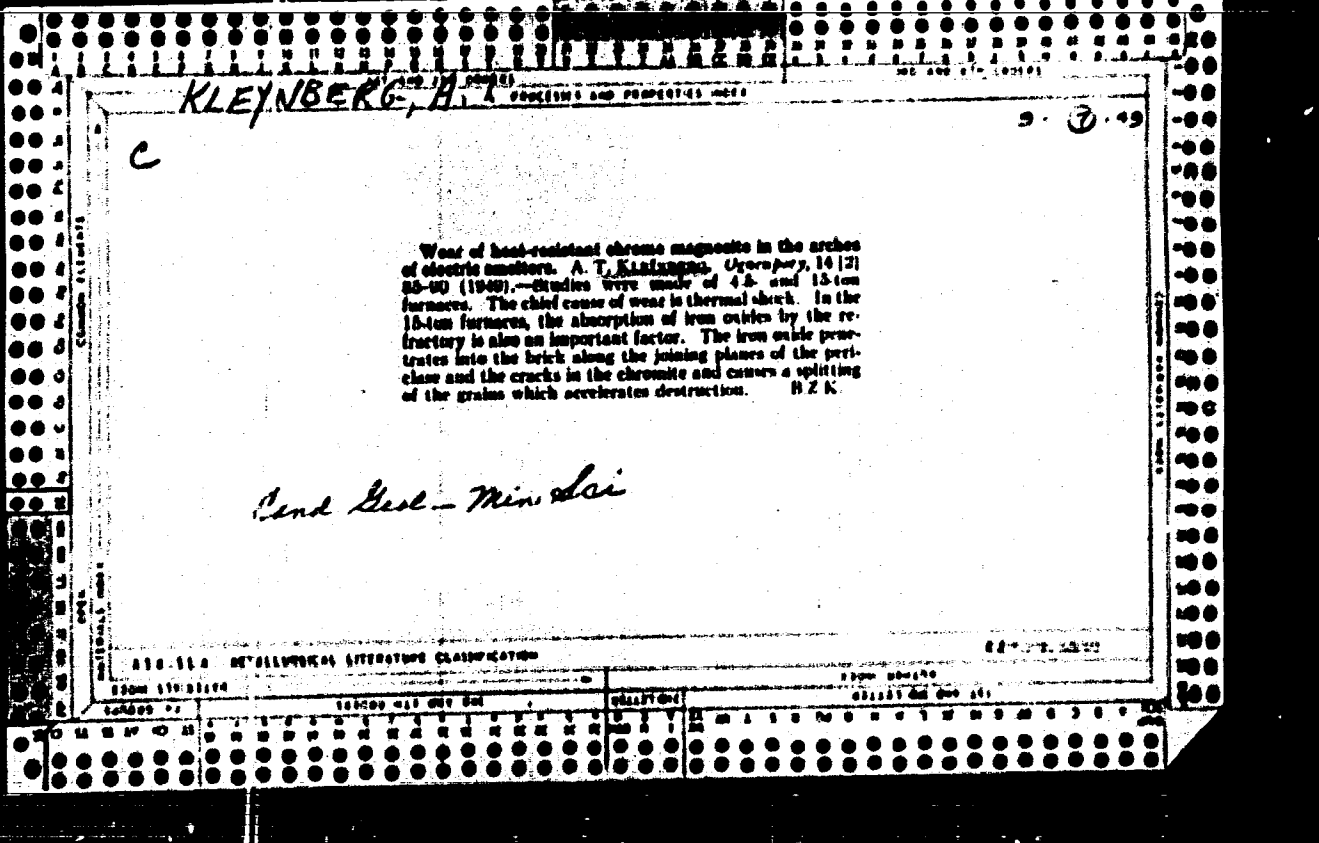




at 1,200° only. All the samples crumbled after firing, because of the formation of diacetylenic silicate; from 5.0 to 7.0% free lime was present also. In the samples fired at 1,200°-1,700° the presence of  $K_2CO_3$ ,  $K_2O$ ,  $CaO$ , and  $Ca(OH)_2$  was determined. The diacetylenic silicate was present only in the gamma form; the beta form was found only in a few pieces, which did not crumble. Diacetylenic silicate was present to the extent of 22.37%. The brownish color of the beta-crystal and their optical refraction of  $n_D = 1.745$  and  $n_D = 1.722$  indicated a solid solution between the diacetylenic silicate and the  $Fe_2Si_2O_7$ . In the samples fired below at 1,200°, green patches, due to tetrahydro silicate, were observed on the crystals of tritricium silicate and gamma diacetylenic silicate. Specimens fired several times to 1,200° consisted of  $K_2CO_3$ ,  $K_2O$ ,  $CaO$ , and  $Ca(OH)_2$ , with particles of  $CaO$  embedded in the tritricium silicate. Hydration experiments with these samples showed that mixtures of  $(CaO + SiO_2) + n(CaO + Fe_2O_3)$  absorbed much less water than the composition previously mentioned,  $CaO + Fe_2O_3$ . Samples of lime, silica, and iron oxide, with 10%  $Fe_2O_3$ , absorbed the least water. (3)  $CaO + SiO_2 + Fe_2O_3$ .—According to Dychehoff, beta diacetylenic silicate can be obtained by taking up  $CaO$ . Powder mixtures were therefore prepared, with additions of 1%, 5%, and 10%  $Fe_2O_3$ , of the composition  $n(CaO + SiO_2) + m(CaO + Fe_2O_3)$ , ground, and fired for 4 hours at 1,200°. The specimens did not crumble after firing. It was found by microscopic examination of thin sections that the samples consisted mainly of  $K_2CO_3$ , with admixture of  $CaO$  and  $Ca(OH)_2$ . The beta form of the diacetylenic silicate was present only in the form of minute crystals enclosed in the tritricium silicate. The water absorption of this group of specimens was almost midway between the other two. As with the  $CaO + Fe_2O_3$  mixtures, the sample with 5%  $Fe_2O_3$  has the lowest absorption. (Ref. Nat. Sci. 1.1, No. 6, 264, 1930)

X







**MICRO-EXAMINATION OF BASIC REFRACTORIES AND CARBONATE RAW MATERIAL IN REFLECTED LIGHT. Kleinberg, A.T. (Ogneupory (Refractories), Feb. 1951, 68-75).**

11

CA

Microscopic investigation of heat refractories and of  
carbonate raw material in reflected light. A. I. Khrizhina  
(Leningrad Inst. Refractories), *Chemistry* 10, 74 (1961).  
Materials investigated were chrome magnesite  
and magnesite refractories, chrome spinels, chromite,  
and magnesite refractories based on corundum, and mag-  
nesite refractories. Results are described. The method may be used  
to facilitate the determination of phase composition of given materials.  
N. Z. Kamirsh

**KLEYBERG, A.T.; MAKARYCHEVA, S.I.; GONCHAROV, V.V.**

**Porosity and chemical and mineralogical composition of fused  
Nikitovka dolomite. Ogneupory 17 no. 5:221-226 My '52.  
(MIRA 8:9)**

- 1. Leningradskiy institut ogneuporov.  
(Nikitovka Stalino Province--Dolomite) (Refractory materials  
--Testing)**

KLEYNBERG, A.T.; GONCHAROV, V.V.

Microscopy in the quality control of Saska magnesite. Ogneupery 18  
no.2:55-61 P '53. (MIRA 11:10)

Leningradskiy institut ogneuperev.  
(Magnesite) (Quality control) (Microscopy)

Kleynberg A. Y.

USSR/ Physics

Card 1/1

Authors

Title

Periodical

Abstract

Institution

Submitted

Department of Physics, Leningrad State University, Leningrad

Feb. 22, 1955

Kleynberg, A. Y., and Gurevich, A. N., Abstemian

Gaseous nitric oxide fluorescence spectrum and the effect of foreign gases

Dokl. Akad. Nauk SSSR, 1955, 105, 215, 1955

A study of the fluorescence of exciting quanta of  $\text{NO}$  (nitric oxide gas) by the fluorescence spectrum method is described. The following gases are studied:  $\text{H}_2$ ,  $\text{O}_2$ ,  $\text{CO}_2$ ,  $\text{CH}_4$ ,  $\text{C}_2\text{H}_6$ , vapors of  $\text{H}_2\text{O}$ ,  $\text{O}_2$ ,  $\text{C}_2\text{H}_6$  and  $\text{C}_2\text{H}_4$ . The results are used to determine their effect on the fluorescence spectrum of  $\text{NO}$ . References: 2 USSR, 1 German and 1 USSR (1955-1956) plus citations therein.

The A. A. Zhukovskiy State University, Leningrad

January 2, 1955

**KLEYNBERG, A.V.**

USSR/Physics - fluorescence

Card 1/1 Feb, 22 - 14/47

Authors : Kleynberg, A. V., and Terenin, A. N., Academician

Title : Scattering of oscillating quanta and extinguishing of the nitric oxide (NO) fluorescence

Periodical : Dokl. AN SSSR, 101/6, 1031 - 1034, Apr. 21, 1955

Abstract : Experiments with NO (nitric oxide) are described. The experiments were conducted to study the process of extinguishing NO fluorescence by strong gases. The probability of extinguishing NO fluorescence was determined. The capability of molecules of various gases to scatter the oscillating quanta of NO was investigated. The photographic photometric method was used in the experiments. Twelve references: 2 USSR, 1 Brit., 3 Ger. and 6 USA (1933-1955). Organ; table.

Institution : A. A. Zhdanov State University, Leningrad.

Submitted : February 3, 1955

KLEYNBERG, A.V.

USSR / Optics

K

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10409

Author : Kleyenberg, A.V.

Inst : Leningrad State University, USSR.

Title : Scattering of Vibration Quanta of the Excited Molecules of Nitrogen Oxide Upon Collision with Other Molecules.

Orig Pub: Optika i spektroskopiya, 1956, 1, No 4, 469-477

Abstract: A study was made of the redistribution of the intensities in the bands of the fluorescence spectrum of gaseous NO in the ultra-violet region (2000 -- 2300 A, electron transition  $X^2\Pi \rightarrow A^2\Sigma^+$ ) upon addition of extraneous gases (He, Ne, Ar, H<sub>2</sub>N<sub>2</sub>, CO, CO<sub>2</sub>, CH<sub>4</sub>, C<sub>2</sub>H<sub>4</sub>, H<sub>2</sub>O, C<sub>2</sub>H<sub>5</sub>OH, hexane, and cyclohexane) which do not react with NO and which do not absorb in the region of the absorption spectra and fluorescence of NO. From the magnitude of the redistribution of the intensities in two series of bands (0', v'', and 1', v'') the author determines the probabilities of scattering of vibra-

Card : 1/2

USSR / Optics

K

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10409

tional quanta of the excited molecule of NO upon collision with various gases. Also investigated was the quenching of the fluorescence NO by the extraneous gases. The quenching probabilities were calculated.

Card : 2/2



KUCHERYAVINKO, G., KLEYNBERG, G.

Drying peas at seed corn processing plants. Maj.-elev. prom. 28 no.11:  
17-18 N '62. (MIRA 16:2)

1. Khmel'nitskoye upravleniye khleboproduktov.  
(Peas—Drying)

KUCHERYAVENKO, G.; KLEYNBERG, O.

Every sixth worker is an innovator. NTO 4 no.12:51 D '62.  
(MIRA 16:1)

1. Predsedatel' Khmel'nitskogo oblastnogo pravleniya Nauchno-  
tekhnicheskogo obshchestva mukomol'noy i krupyanoy promyshlennosti  
i elevatornogo khozyaystva (for Kucheryavenko). 2. Uchenyy  
sekretar' Khmel'nitskogo oblastnogo pravleniya nauchno-  
tekhnicheskikh obshchestv (for Kleyenberg).  
(Chmel'nitskaya Province—Agriculture)

PAVLOVSKIY, Ye.N., akad., glav. red.; ZENKOVICH, B.A., red.;  
K'EYNBERG, S.Ye., red.; CHAPSKIY, K.K., red.; MAKAROV,  
B.M., red.

[Marine mammals] Morakie mlekopitaiushchie. Moskva, Nauka,  
1965. 317 p. (MIRA 18:5)

1. Akademiya nauk SSSR. Ikhtiologicheskaya kommissiya.
2. Vsesoyuznyy nauchno-issledovatel'skiy institut morakogo  
rybnogo khozyaystva i okeanografii (for Zenkovich).
3. Zo-  
ologicheskii institut AN SSSR (for Chapskiy).

KLEYBERG, V. G.

PA76T49

Geology Jun 1948  
Stratification  
Petrology  
"System of Separation of the Molasse of Northern  
Fergana," V. G. Kleyberg, All-Union Petroleum Geol  
Prospecting Inst, Leningrad, 32 pp  
"Dok Ak Nauk SSSR" Vol II, No 7  
Explains the term "Molasse" as applied in the case of  
Fergana, and describes formations which are divided  
into three series, Upper, Middle, and Lower. Sub-  
mitted Feb 1948.