

МОНУКОВА, Н.К.

KRASNOV, M.L., professor, saslushenny vrach RSFSR; MONUKOVA, N.K.,
dotsent; DEMIDOV, P.A., saslushenny vrach RSFSR, kandidat meditsin-
skikh nauk.

Therapy of epiphora. Vest. oto-rin. 16 no.4:47-50 Ji-Ag '54. (MLRA 7:8)
(LACRYMAL APPARATUS, diseases,
*epiphora, ther.)

MCNYUSHKO, A.M.

Postsedimentation changes in marine clay deposits of the
Baku Archipelago region. Dokl. AN SSSR 145 no.5:1118-1120
'62.

(MIRA 15:8)

1. Laboratoriya gidrogeologicheskikh problem im. F.P.Savarenskogo
AN SSSR. Predstavleno akademikom N.M.Strakhovym.
(Baku Archipelago—Submarine geology)

SOV/123-59-16-64077

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1959, Nr 16, p 70 (USSR)

AUTHORS: Birtulya, I.N., Monyushko, N.D.

TITLE: The Determination of Dynamic Loads of the Rolling Mill Motors

PERIODICAL: Tekhn.-ekon. byul. Sov. nar. kh-vn Chelyab. ekon. adm. r-na, 1958, Nr 1, 35-38.

ABSTRACT: The dynamic loads of the motor of a pilger mill in the Chelyabinsk Tube Rolling Plant were determined. The rated capacity of the motor was 2,570 kw, the tension - 700 volts, revolving speed - 37 rpm; the most often repeated dynamic loads on the shaft of the pilger mill amounted to 3 - 4 times the nominal moments. The maximum torques were 6 - 7 times the nominal ones. The maximum braking torques occurred at the moment of the impact. The divergence between the calculated and experimental data, when determining the tangent stresses, did not exceed 12 - 15%. The suggested methods of calculating and investigating the transitional processes of D.C. motors of rolling mills can also be employed for motors with heavy flywheel masses and abruptly variable loads. 4 drawings, 3 references.

Card 1/1

M.G.N.

VAYNSHTEYN, G.R.; MANASYAN, B.Sh.; MONYUSHKO, V.M.

Determination of safe concentrations of air in natural gas at pressures up to 350 at. Trudy VNIITB no.10:68-74 '58.

(Gas, Natural)

(MIRA 15:5)

IOFIN, G.A.; MONZA, A.Kh.; DUBYANSKIY, M.A.; MILENKO, M.A., general-
major, red.; NEPODAYEV, Yu.A., red.; BUKOVSKAYA, N.A., tekhn.
red.

[Tactics in modern combined arms operations; collection of
translated articles] Taktika sovremennogo obshchevoiskovogo
boia; sbornik perevodnykh statei. Sost. i perevodshiki G.A.
Iofin, A.Kh.Monza, M.A.Dubianskii. Red. i predisl. M.A.Milenko.
Moskva, Voen. izd-vo M-va obor. SSSR, 1961. 222 p. (MIRA 14:11)
(Unified operations (Military science))

MONZHALKY, Ye.L.

Concomitant course of scarlatina and rheumatism. Vop. okh.
mat. i dat. 7 no.5:60-61 My '62. (MIRA 15:6)

1. Iz kafedry detskikh infektsiy (zav. - dotsent G.A. Sizenova)
Omskogo meditsinskogo instituta imeni M.I. Kalinina na base
detskoy infektsionnoy bol'nitsy No.1 (glavnyy vrach P.P.
Tinokhina).

(SCARLET FEVER)

(RHEUMATIC FEVER)

MONZHIYEVSKIY, E. A.

Monzhiyevskiy, E. A. -- "Syringomyelia. Certain New Clinical and Roentrenological Data." Irkutsk State Medical Inst, Irkutsk, 1955 (Dissertation for Degree of Doctor of Medical Sciences.)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

MONZHIYVSKIY, E.A.

Cerebral symptoms in syringomyelia not complicated by syringobulbia.
(MIRA 11:1)
Zhur.nevr. i psikh. Supplement:22-23 '57.

1. Kafedra nervnykh bolezney (rav. - prof. Kh.G.Khodos) Irkutskogo
meditsinskogo instituta.
(SYRINGOMYELIA)

USSR / Human and Animal Physiology. The Nervous System. T
Abs Jour: Ref Zhur-Biol., No 9, 1958, 41684.

Author : Monzhiyevskiy, E. A.

Inst : Not Given

Title : The Status of the Ventricular System and of the
Subarachnoid Spaces of the Brain in Syringomyelia
(Pneumoencephalographic Data).

Orig Pub: Zh. neuropatol. i psikhiatr., 1957, 57, No 5,
597-599.

Abstract: Pneumoencephalography in 59 patients with syringo-
myelia (S) demonstrated the presence of air in the
ventricular system and in the subarachnoid spaces
of the brain in 38 cases, in the subarachnoid

Card 1/2

USSR / Human and Animal Physiology. The Nervous System. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41684.

Abstract: spaces only in 19 cases. In 15 patients a sharply defined assymetrical internal patent hydrocephalus was noted, in 22 cases it was moderately severe; a mild external hydrocephalus was noted in 8 patients; in 29 patients the roentgenological picture was that of adhesive arachnoiditis. Signs of cerebro-spinal nerve injury were present in the majority of patients, and also some psychic disorders. The clinical-pathological syndrome of chronic hydrocephalus characterizes the early, as well as the late, stages of S. S is a disease of the entire CNS. -- S. M. Shteynberg.

Card 2/2

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ANTONIANI, Claudio, prof.(Milano); MONZINI, Andrea, dr.(Milano)

Application of cold for meat preservation. Acta chimica Hung 23
no.1/4:339-346 '60. (KEAI 10:9)

I. Centre Experimental du Froid de Milan.

(Meat) (Glycogen)

MONZINI, Andrea, dr. (Milano)

Some aspects of the preservation of fruits and vegetables by means
of refrigeration and prerefrigeration. Acta chimica Hung 23 no.1/4:
435-438 '60. (EEAI 10:9)

1. Centre Experimental du Froid, Milan.

(Food) (Vegetables)

USSR/Human and Animal Physiology (Normal and Pathological)
Effect of Physical Factors: Ionizing Radiation.

T-13

Abs Jour : Raf Zhur - Biol., No 16, 1958, 75273

Author : Astrakhan, D.V., Monzul', G.D.

Inst : Second Moscow Medical Institute.

Title : Qualitative Displacements of Leukocytotic Reactions
During Radiation Sickness.

Orig Pub : Uch. zap. 2-y Mosk. med. in-t, 1957, 6, 144-150.

Abstract : 3 ml of sterile cow's milk, pre-heated to 37-38° was introduced into the femoral muscle of exposed and non-exposed cats (26). The blood was taken from a skin incision in the ear before introduction and in the course of 5-14 hours after it (each hour). After the introduction of milk into the unexposed animals, a two-phase leukocytotic reaction was observed. During 1-2 hours small leukopenia

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USSR/Human and Animal Physiology (Normal and Pathological).
Effect of Physical Factors. Ionizing Radiation.

T-13

Abs Jour : Ref Zhur - Biol., No 16, 1958, 75273

(-12.6%) was decreased by an increase of the quantity of leukocytes (L) an average of 125.8%. In the course of 5-12 weeks after exposure by a one time dose of 500 g (180 kv, 0.5 mm Cu and 1 mm Al; 20 min.) following the introduction of milk, sharp and deep leukopenia developed. The increase of the quantity of L approaching the norm was observed in 50 hours. Along with such a "paradoxical" reaction (P_1), a "transitional" (P_2) type of reaction was met, which combined features of normal and "paradoxical" P_2 reaction of an early group (4-5th week), when the quantity of L in the peripheral blood is restored. In its turn, P_2 is displaced by P_1 , when the original number of L is increased up to 210-280% of the level currently found before exposure. P_2 of the later group appear with the original levels which²comprise 300-350% of normal. The observations described point to the inversions of reactiveness of the

Card 2/3

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1962, A.

Osculating Riemann spaces of regular Cartan Spaces; an excerpt of an article. p. 243, (KOZLEMENYELI, Budapest, Hungary), Vol. 4, No. 2, 1954.

50: Monthly List of East European Accessions, (SEAL), 10, Vol. 1, No. 5, May 1955, Uncl.

"Geometries of Riemann spaces of regular Cartan spaces."
Acta Mathematica, Budapest, Vol 5, No 1/2, 1954, p. 59

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

Moor, A.

Moor, A., und Soós, Gy. Über affinzusammenhängende Mannigfaltigkeiten von Hyperflächenelementen, insbesondere deren Äquivalenz. Acta Sci. Math. Szeged 16 (1955), 27-42.

1 - F/W

MS

Let H_n be the manifold of hypersurface elements belonging to a differentiable point-manifold P_n . An element of H_n is the pair (x', u) , where u is a hypersurface element at the point x' . In H_n the authors assume the existence of an invariant differential of a vector density. This establishes H_n as an affine extension of the Cartan space in which H_n has a metric $L(x, u)$. The authors develop the tensor calculus of such a space including covariant differentiation, curvature, and torsion. They also give necessary and sufficient conditions for the equivalence of two H_n 's. C. B. Allendoerfer.

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Moore, Arthur

space which is a generalization of the one in [1].
[1] Ann. Math. (2) 5 (1954), 59-72.
[2] Bull. Lond. Math. Soc. 16 (1984), 205-210. Finally, there is a proof of the theorem. If the
equation $\sum_{i=1}^n a_i x_i^2 = 0$ has at least one solution
with all x_i homogeneous of the first order in \mathbb{R} , then one can
construct a dual R_1 to the ring R_2 .

E. Moore (Sapporo)

MSCR, Arthur

Development of Geometry of General Metric Linear Element Spaces.

Moór, Arthur. Entwicklung einer Geometrie der allgemeinen metrischen Linienelementräume. Acta Sci. Math. Szeged 17 (1952), 85-120.

Consider a space of line-elements (x^i, v^j) , where the x^i represent local coordinates of an underlying manifold X_n , v^j the "directional" elements of the local tangent spaces $(i, j=1, \dots, n)$. A Finsler metric is defined on X_n when a function $F(x, v)$, satisfying certain conditions, is given, the metric tensor g_{ij} being determined by successive derivatives of F^2 with respect to v^i, v^j . The author introduces a new generalisation of such spaces by assuming that initially a metric tensor $g_{ij}(x, v)$ is given ($g_{ij}=g_{ji}$). While this gives rise to a scalar metric function $F^2=g_{ij}(x, v)v^i v^j$, the g_{ij} conversely no longer represent directional derivatives, and hence the relations $(\partial g_{ij}/\partial v^k)v^k=0$, valid in Finsler spaces, do not hold in general. (At first sight one might be inclined to regard this generalisation as being superfluous, since F^2 may be differentiated to yield an alternative metric tensor in the sense of Finsler geometry. However, one is sometimes confronted with problems involving the more general $g^{ij}(x, v)$, as for instance in the theory of quasi-linear partial differential equations, whose geometrisation requires techniques more general than those of Finsler geometry.) The author's approach represents a direct generalisation of the methods of E. Cartan, the covariant

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Moór, Arthur

differential giving rise to two sets of connection parameters. It is stipulated that the covariant derivatives of the g_{ij} vanish identically. This, together with further more complicated conditions, leads to a partial determination of the connection parameters. (The author's analysis in § 2

concerning the uniqueness of the latter is erroneous; furthermore the introduction of certain inverse matrices leads to unfortunate non-explicit formulations.) Finsler spaces are characterized in terms of this geometry, while the geodesics do not in general coincide with the autoparallel curves. Curvature tensors and Bianchi identities are derived. Part II of the paper is devoted to a generalisation (by means of Lie derivatives) of the work of Knobelman (Amer. J. Math. 51 (1929), 527-564) on groups of motions in Finsler spaces. H. L. J. (Darban).

MOCR, A., (Szeged)

Data on the covariant derivation determined from gik. Acta mat Hung
11 no.1/2:175-186 '60. (EAI 9:12)

1. Verlegt von G.Hajos.
(Vector analysis) (Calculus of tensors) (Geometry)

MOOR, Arthur (Szeged)

Data on affine Finsler spaces of scalar curvature. Acta math
Szeged 22 no.3/4:157-189 '61.

1. Submitted May 26, 1960.

MOOR, Artur

Formation of projective invariant tensors. Mat lapok 13
no.1/2:207 '62.

MOOR, A. (Saged)

Objects of permanent transformation groups. Annales Pol math
13 no.1:19-31 '63.

MOORE, Arthur (Szoged)

Projective alteration of transposition in linear elementary
multitudes. Acta math Szoged 24 no.1/2:119-128 '63.

1. Submitted September 10, 1962.

HOOR, A.

Conformal and projective deformation of the curvature of
point spaces. Acta mat Hung 15 no.1/2:67-75 '64

1. Bolyai Institut, Jozsef Attila Universitet, Szeged.
Vorgelegt von O. Varga.

MOOR, A.

Equation of autoparallel deviation in n-dimensional linear elementary spaces. Acta math Szeged 25 no.3/4:266-282 '64.

1. Submitted April 16, 1964.

MOOR, D.I.

Effective horsepower of single-screw ships. (To be concluded).
Brodogradnja 13 no.3:105-119 '62.

MOCR, D.I.

Effective horsepower of single-screw ships. Brodogradnja 13
no.4:125-135 '62.

MOOR, G. G.

Geology

DECREASED
c. '59

see ILC

1962/
17

HOOR, H. G.

Soils - Tien Shan

Some data on water soluble organic matter of primary soils in the mountain-forest zone of Terskey Ala-Tave. Trudy, Inst. geog. AN SSSR, no. 49, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

GLAZOVSKAYA, M.A.; MOOR, H.G.

Brown mountain-steppe soils of the Issyk-Kul plain in grassland
crop rotation. Trudy Inst.geog. no.60:139-156 '54. (MLRA 8:5)
(Issyk-Kul region--Soils) (Soils--Issyk-Kul region)

MOOR, N.G.

Group composition of organic matter of a series of primary soils
of the mountain forest zone of the Terskai Ala-Tau range. Trudy
Inst.geog. no.60:171-178 '54. (MLBA 8:5)
(Terskai Ala-Tau--Forest soils) (Forest soils--Terskai
Ala-Tau)

1. MOORA, Kh. A.
2. USSR (600)
4. Baltic Sea Region - Archaeology
7. Some problems in the archaeological investigation of the Baltic Sea region.
Krat.sob.IIMK no. 42, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

SSSR / General Division, Congresses, Conventions,
Conferences

A-4

Abstracts: Ref Zhur-Biologiya, No 5, 1958, 18875

Author : Moora Kh. A.

Inst : -

Title : The Joint Conference on the Archeology, Ethnography, and
Anthropology of the Baltic Countries at Vilnius

Orig Pub: Izv. AN EstSSR, 1955, No 2, 326-327

Abstracts: At the conference (20-31 May 1955), there were heard
reports on the population of the Baltikum in the light
of anthropological data (Iakimov from Leningrad and
Mark from Tallinn), on the anthropology of Belorussia
(Duan), and on the cultivated plants and weeds in
Latvia according to archeological materials (Rasinsk
and Rigi).

Card 1/1

"K voprosu o vozniknovenii pribaltiyskoy istoriko-kul'turnoy oblasti."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

JENICEK, M. Technicka spoluprace: JAKACKOVA, H.; KOOTZOVA, J.

The trial to follow the changes of eosinophil count as an indicator of skill. Cesk. hyg. 9 no.4:193-201 My'64.

1. Katedra hygieny deti a dorostu lecarske fakulty hygienicke KU [Karlov university], Praha.

MOR, N.

SSSR- moguchaia industrial'naia derzhava. Moskva Moskovskii rabochii,
1947. 79 p.

The USSR is a powerful industrial state.

DLC: HC335.M59

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

MOR, A.

Dimensioning of permanent magnets made for small direct-current
motors. Mashinostroena 12 no.1:31-32 Ja '63.

SOV/124 58 2 1651

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 24 (USSR)

AUTHORS: Mora ^A Infesta. [Mora, A., Infesta, J. de la]

TITLE: Influence of the Chemical Composition of Fuels on Detonation
(Vliyaniye khimicheskogo sostava topliv na detonatsiyu)

PERIODICAL: V sb.: 4 y Mezhdunar. neft. kongress. Vol 7. Moscow,
Gostekhizdat, 1957. pp 455-457

ABSTRACT: A presentation of the results of an experimental investigation of detonation in internal combustion engines. The existence of several pressure waves was discovered during the combustion process in the cylinder; these waves are characterized with reference to their effect upon the working of the engine. Two kinds of fuel are compared, namely, paraffin and aromatic fuels having the same octane rating. The pressure fluctuations occurring during combustion with concomitant detonation are smaller in aromatic fuel.

V. I. Troshin

Card 1/1

MORA, Andras, ins. (Ada, Petefi Sandora 55)

Shelling of cylindrical cogwheels. Tehnika Jug 17 no.10:
Suppl.: Masinstvo 11 no.10:1909- 0 '62.

1. Pomocnik tehnickog direktora fabrike alatnih masina i
kupcanika "Potisje", Ada.

BASARAB, I., dr.; WERSCHING, P., dr.; PELLE, M., dr.; MORA, P., dr.; PELLE,
Adriana, dr.;

Alimentary toxi-infection caused by Salmonella typhimurium after
consumption of cottage cheese. Microbiologia (Bucur) 9 no.6:
543-546 N-D '64

1. Lucrare efectuata la inspectia de stat pentru igiena si
protectia muncii Oravita (director: dr. M. Pelle).

HASZ, Istvan; VAJTA, Laszlo; KISS, Istvan; MORA, Ferenc; R/SZTOCZKY, Ernc;
DEKAN, Sandor

Organizational questions of the gas industry. Energia es atom
13 no.3;117-121 Mr '60.

1. Fovarosi Gasarvek (for Kiss). 2. Budapesti Partbizottsag Ipari
Osztalya (for Dekan).

MORA, H

Several theories concerning the water absorption of sheep leather. H. Mura. *Industria* *number 1, 201-4 (1958)*.
The H₂O which penetrates the leather causes swelling by osmotic pressure or hydration. This penetration can be reduced or at least its velocity decreased if the leather is made more dense by mech. means and its capillaries are narrowed by strong tanning agents. A coating with hydrophobic grases which have a high affinity for leather is also very important. *Francis Kertus*

MORA, Henrieta, Ing.

Leather humidity and its influence on the results of mechanical processing. Industria uscara 3 no.7:279-280 Ag [i.e.J1] '56.

MORA, E.

"The introduction of new technique as an active factor in the increase of production and labor productivity in the leather industry."

p. 199 (Industria Usocara) Vol. 4, no. 5, May 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

MORA, H.

"For a continuous mechanization in the leather industry."

p.236 (Industria Usucara) Vol. 4, no. 6, June 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) 10. VOL. 7, no. 4,
April 1958

Country : Rumania H-35
Category :
Abs. Jour : 41140
Author : Mora, R.
Institut. : Not given
Title : Shrinkage Temperature and the Quality of Semi-finished Leather Products
Orig Pub. : Ind Usocara, 5, No 7, 243-249 (1958)
Abstract : The author has made an analysis of the relationship between shrinkage temperature (ST) and the various properties of semifinished products obtained in the course of the processing of the hides, using the researches of Soviet scientists as a basis. ST is a function of the nature and amount of combined tanning substances present and from that point of view ST is a relatively easily determined index of the degree of collagen fixation [leathering] taking place during tannage. A linear relationship between anti mechanical strength is observed only at the beginning of the tanning process when the cross-linked lattice does
Card: 1/2

MORA, H.

Increased resistance of leather soles to wear and tear ascribed to the improved quality of products. p. 460.

INDUSTRIA USOARA. (Asociatia Stiintifica a Inginerilor si Technicienilor din Romania si Departamentul Industrii Usoare din Ministerului Industrii Bunurilor de Consum) Bucuresti, Rumania. Vol. 5, no. 12, Dec. 1958.

Monthly List of East European Accessions (ESAI) LC, Vol. 8, No. 6, June 1959.
UNCL.

MORA, H.

Mechanisation in the leather industry. p.204

INDUSTRIA USOARA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din
Romania si Departamentul Industriei Usoare din Ministerului Industriei Bunurilor
de Consum)
Bucuresti, Rumania
Vol. 6, no. 6, June 1959

Monthly List of East European Accessions (EEAI) IC., Vol. 9, no.1, Jan. 1960
Encl.

MCRA, H.

New concepts on the structure of collagen. p.90.

INDUSTRIA USCARA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Departamentul Industriei Usoare din Ministerului Industriei si Comertului) Bucuresti, Romania. Vol. 6, no. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no.7, July 1959

Uncl.

MORA, Henrietta, ing.

Introduction of new technics in the leather industry of
the USSR in the light of the tasks laid down by the 22d
Congress of the Communist Party of the Soviet Union.
Industria usocara 9 no.3:86-91 Mr '62.

MORA, Henrieta, ing.

Water absorption index of sole leather. Industria uscara 10
no.5t177-180 Ky '63.

MORA, Henrieta, ing.; SEGAL, Ana, ing.

Sulfonic groups in tanning extracts and their quantitative determination. Industria usoara 10 no.9:375-377 S '63.

Man, Annieta, Ing.

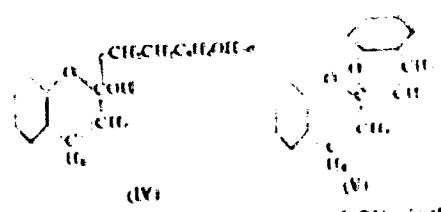
Influence of sulfonic groups in the binding agent on the
quality of sole leather. Industria uccera II no. 223-235
Ja '64.

MORA, Henrieta. ing.

Her theories on the composition and structure of collagen.
Industria ussara 11 no. 10-16. 1964

MORA, P. T.

Dianthylideneacetone and analogs Peter T. Mora and Tibor Kozka (Univ., Budapest, Hung.), *J. Am. Chem. Soc.* 72, 3080 (1950). $C_{15}H_{14}O$ (24 g.) in 100 cc. EtOH and 6 g. Me₂CO, treated dropwise with 10 g. NaOH in 25 cc. H₂O, shaken 30 min., and kept 26 hrs. at room temp., gives 4.1 g. (o-NaC₁₅H₁₃O) (I) (4.26 g.) in 60 cc. Ac₂O contg. 3 g. AcONa, refluxed 20 min., gives 2.21 g. *o*,*o'*-dianthylideneacetone, m. 124° from 1 and Mel in EtOH. I (4.35 g.) in 1 l. H₂O, decolorized at room temp. with CO₂, gives 2.85 g. (o-HOC₆H₄CH=CH)CO (II), m. 101°, this yields the same decol. as I. I (4.26 g.) in 0.5 l. H₂O, treated at 0° with CH₃ until a pink color results, gives 2.2 g. of a mono-Na decol. of II, with Mel in EtOH (refluxed 1.5 hrs.), followed by BaCl in 1% NaOH, it yields a mono-Me ether benzate, m. 170-2°; p-anthracene, m. 205-6°, the same compd. results from the action of CH₃N₃ on II in ether at 0°; the group Me ether yields a mono-Na salt. These reactions are indications of a 2-chromenol structure (III) for II. II (2.6 g.), heated 10 min. above its m.p. or distd. at 10 mm., gives 1.38 cc. 1.43 g. diphenylpicrylpyran, m. 107°. I (10 g.) in 200 cc. H₂O at 80°, hydrogenated over Pd-C (2 hrs.) and the cooled soln. treated with CO₂, gives the acid. compd. formulated as IV [cf. Boriche, C. R. 6, 870, who obtained tetrahydrodiphenylpicryl (V), probably because he distd. the reaction product (V) results from IV by heating above its m.p., by distn



in vacuo, by refluxing 20 min. with Ac₂O-AcONa, in the attempted prepn. of the oxime, or on shaking with H in EtOH 26 hrs. at 60-70°. III (6 g.) in 80 cc. AcOH, mixed rapidly at 0° with 5 cc. 75% HNO₃, diltd. with 6 vols. AcOH, and kept 6 hrs. at 0°, gives 7.8 g. of the 5',6'-di-NO₂ decol., m. 218-19° (and not the 4,4'-di-NO₂ decol. as reported by Falaud and Salko, C. C. 2, 601); this results also from 2.5 HOC₆H₄CH=CH and Me₂CO, 6 g. III in 75 cc. AcOH, treated at 0° with 12.5 cc. HNO₃ (d. 1.4), kept 4 hrs., and heated 20 min. at 100°, gives the 3,3',6,6'-tetranitro decol., m. 201° (also compd. IV (1 g.) in 20 cc. AcOH, treated at 60° with 2 cc. HNO₃ (d. 1.48) in 9 cc. AcOH and kept several hrs. at room temp., gives 1.7 g. of 6,6',4,4'-tetranitrodiphenylpicrylpyran, m. 180-2°, this results also on nitration of V-e-Vandiln and Me₂CO give the di-Na salt of bis-*o*-methoxydianthylideneacetone, m. 170-81° (27°), which yields 98% of the 3,3'-dimethoxydianthylidene decol., m. 123-35°, and is converted (m.p.) to the 4,4'-dimethoxydianthylidene

propyl, m. 138°. 2,4-HO-MeO-C₆H₃-CHO gives
66% of a condensation product with Me₂CO, m. 151°,
which yields 94% of the δ - β -diacetyl-*trans*-form,
m. 128°. *trans*-2,4-HO-MeO-C₆H₃-CHO could not be employed because
of its instability in acid or alkali. Condensation of 2
mols. α -HO-C₆H₃-CHO with 1 mol. Cl₂Ac₂ gives I; 1 mol.
of each gives α -HO-C₆H₃-CHO and β -HO-C₆H₃-CHO (1 x
mols.) and (Cl₂Ac)₂ under all conditions give I
C. J. Wood

MORA, Sandor, Dr.

Complications and contraindications of novocaine blockade. Orv. hetil.
09 no. 12:406-408 28 Mar 58.

I. A Szanto-Kovacs Janos utcai Rendelointezet (igazgato: Somogyi Erno
dr.) Sebészeti Osztályának) főorvos: Mora Sandor dr. az orvostudományok
kandidátusa) közleménye.

(ANESTHESIA, REGIONAL

stellate ganglion blockade by procaine, compl. &
contraindic. (Hun))

MORA, Sandor

Treatment of sciatic syndrome with the suprameningeal block.
Pol. przegl. chir. 33 no.12:1489-1494 '61.

1. Z Oddzialu Chirurgicznego Kierownik: doc. dr. S. Mora Stolecznej
Polikliniki, Budapest VIII. Szanto Kovacs J.-u. Dyrektor: dr
E. Somogyi.

(SCIATICA ther) (ANESTHESIA CONDUCTION)

MORA, Sander, dr., kandidatus

Use of EEG for the evaluation of results of novocaine therapy in geriatrics. Ideggyogy. szemle 15 no.3:86-92 Mr '62.

I. A Budapesti Szanto Kovacs J. utcai Rendelőintézet Sebészeti Osztálya közleménye.

(PROCAINE ther) (ELECTROENCEPHALOGRAPHY)
(GERIATRICS ther)

MORAI, Sandor, dr.; RECZEY, Jenő, dr.; ZIMANDY, Aranka, dr.

Antibiotic sensitivity and resistance in ambulatory surgery. Orv.
hatil. 103 no.7:304-305 18 F '62.

I. Ssanto Kovacs Janos utcai Rendelointezet, Sebészeti Osztály es
Laboratorium.

(ANTIBIOTICS ther) (SURGERY ther)

MORACA, P.

Some political and strategic problems of our National Liberation War. p. 215.

VOJNO DELO. Beograd, Yugoslavia. Vol. 11, no. 4/5, Apr./May 1959.

Monthly List of East European Accessions (FFAI) LC, Vol. 8, no. 9, Sept. 1959.

Uncl.

MORACEK, M.

Air flights then and now. p. 295. (Kridla Vlasti, No. 10, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

MORACEK, M.

Flying in the stratosphere. p. 378.

(Kridla Vlasti. No. 12, June 1957. Praha, C-echoslovakia)

0: Monthly List of East European Accessions (MEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

MORACHEVSKAYA, A. V.

35327. Issledovanie Vliyaniya Tipa Glin "a Svoystva Glino-Grafitovykh
Izdelyi. Trudy Mosk. Khim-Tekh- Ol. In-Ta Im. Mendeleeva, 1949, S.
87-101

SO: Letopis'Zhurnalnykh Statey, Vol. 34, Moskva, 1949

MICROFILMED BY...

"Investigation of the Interaction of Uranyl Salt Solutions With Sodium Hydroxide; Part 1 - Potentiometric Titration of Uranyl Salt Solutions With Sodium Hydroxide," by B. P. Nikol'skiy V. I. Paramonova, and M. D. Morachevskaya, Zhurnal Neorganicheskoy Khimii, Vol 2, No 5, May 57, pp 1194-1200

By investigating potentiometrically individual samples, the interaction of aqueous solutions of uranyl nitrate and uranyl sulfate with sodium hydroxide at different concentrations of sodium nitrate and sodium sulfate was studied. It was established that when solutions of uranyl salts interact with alkali at room temperature, an equilibrium is established after a prolonged period of time ranging from several days up to a year, time depending on the concentration of the salt and the amount of alkali which has been added.

It follows from the results of the potentiometric titrations that upon interaction of uranyl salts with sodium hydroxide at least two different sodium uranate precipitates with different contents of sodium are formed, depending on the pH . The results of a detailed investigation of the composition of these precipitates will be published in a subsequent paper. (U)

Sum. N 1481

MORACHEVSKAYA, M.D.

PTITSYN, B.V.; TEKSTER, Ye.N.; VINOGRADOVA, L.I.; MORACHEVSKAYA, M.D.

Using the oxalate-silver electrode for determining the instability constants of complex oxalates. Zhur.neorg.khim. 2 no.9:2025-2030
§ '57. (MIRA 10:12)

Leningradskiy tekhnologicheskiy institut pishchevoy promyshlennosti,
Kafedra obshchey i analiticheskoy khimii.
(Electrodes) (Oxalates)

SOV/78-3-9-11/38

AUTHORS: Parazonova, V. I., Korachevskaya, M. D., Nikol'skii, E. P.

TITLE: II. Determination of the Composition of the Precipitates Formed in the Interaction of the Solutions of Uranyl Salts With Sodium Hydroxide (II. Opredeleniye sostava osadkov, obrazuyushchikhya pri vzaimodeystvii rastvorov soley uranila s gidroksid'ya natriya)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 9, pp 2067-2074 (USSR)

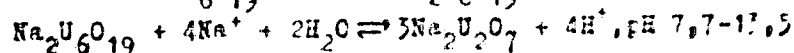
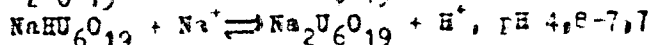
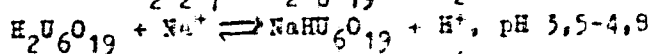
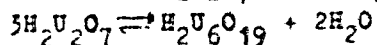
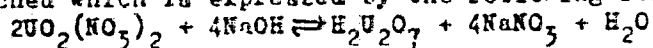
ABSTRACT: In the interaction of the solutions of uranyl salts with sodium hydroxide the equilibrium in the system is only very slowly obtained at temperatures of 17-20°C. The composition of the deposits formed in the system $UO_2(NO_3)_2-NaOH-NaNO_3-H_2O$ depends on the hydrogen concentrations and on the concentration of sodium in the solution. The molar relation between sodium and uranium in the deposits formed at pH = 3,5 - 4,8 is 0,12 - 0,15. If the pH-value of the solution increases from 4,8 to 4,9, the relation between sodium and uranium increases from 0,15 to 0,30. In the pH-range of 4,9 - 7,7 the sodium content in the

Card 1/5

SOV/78-3-9-11/38

II. Determination of the Composition of the Deposits Formed in the Interaction of the Solutions of Uranyl Salts With Sodium Hydroxide

deposits varies only insignificantly. If the pH-value of the solution increases to 11, the relation between sodium and uranium increases to 1 and stays constant up to pH = 13,5. The potentiometric titration of the solutions of uranyl salts with soda lye shows a slow formation of deposits, and the results of the analysis of the deposits indicate that the uranic acid formed in the solution polymerizes in molecules with 6 atoms of uranium. Between the solid phase and the solution an equilibrium is reached which is expressed by the following reactions:



There are 3 figures, 2 tables, and 10 references, 3 of which are Soviet.

Card 2/3

EXCERPTA MEDICA Sec 17 Vol 5/8 Public Health Aug 59

2309. STRONTIUM ADSORPTION ON HYDROXYLAPATITE CRYSTALS (Russian text) - Morachevskaya M. D., Ziobin V. S. and Pitzyn B. V. Technol. Inst. of Food Industry, High Sch. Min. of the USSR, Leningrad - BOKHIMIYA 1958, 23/4 (564-567) Tables 2

Strontium adsorption on hydroxylapatite crystals from aqueous solutions and gastric juice was studied with the use of Sr^{90} . Strontium was but slightly adsorbed by hydroxylapatite from acid solutions (pH 1.5). Upon addition to the solution of $NaHCO_3$ or Na_2HPO_4 , strontium was almost completely extracted (with high Sr concentrations, the latter precipitated as phosphate or carbonate). To eliminate radiostrontium from the stomach, per os administration of 10-20 g. of water-suspended hydroxylapatite is recommended, together with 1-2 g. Na_2HPO_4 .

(XVII, 5, 16)

MORACHEVSKAYA, M.D.; PTITSYN, B.V.

Determination of iodides in the presence of bromides and chlorides
by means of radioactive iodine. Zav.lab. 26 no.3:269-271 '60.

(MIRA 13:6)

1. Leningradskiy tekhnologicheskij institut pishchevoy promyshlennosti.
(Iodides) (Iodine--Isotopes)

SOV/136-58-10-8/27

AUTHORS: Koatelev, V.V. and Morachevskaya, V.S.

TITLE: Zinc Leaching from Fuming Sublimates (Vyshchelachivaniye tsinka iz f'yuming-vozhonov)

PERIODICAL: Tsvetnyye Metally, 1958, Nr 10, pp 39 - 43 (USSR)

ABSTRACT: The first Soviet fuming installation for treating old slags to recover lead, zinc and tin was started at the Podol'sk Tin Works in 1954. The sublimates obtained contained, depending on the slag composition, 2-25% Sn, 7-10% Pb, 30-60% Zn and several other metals. According to preliminary laboratory experiments, the zinc recovery from the sublimate was about 60%. The author describes work carried out at the Gipro-nikel' Institute in 1956-1958 as a result of which an extraction of 98% Zn into the solution has been obtained from sublimates of a wide range of composition (Table 1). It was shown that the treatment of the sublimates by a two-stage process of neutral and acid leaching fails to give a high extraction because the zinc exists in the form of a chemical compound with tin (often the sulphide) and the leaching is hampered by a coating of iron and possibly, tin hydroxides formed round the sublimate particles in the neutralisation stage.

Card 1/2

Zinc Leaching from Fuming Sublimates

SOV/136-58-10-8/27

By using sulphuric-acid solution with a concentration of 120 - 150 g/litre in one or two stages this leaches out 95-98% of the zinc. A materials balance for germanium in the leaching process was drawn up (Table 6), the concentration in neutral and acid-return solutions being 2.3×10^{-5} and $(2.7 - 3.2) \times 10^{-5}$ g/litre, respectively ; practically all the germanium finds its way into the lead-tin cake (Table 6).

There are 6 tables and 4 Soviet references

ASSOCIATION: Gipronikel'

Card 2/2

MORACHEVSKAYA, Ye.N., PEL'T,M.H., otv. red.; LUCHKINA, A.H., red.
isd-va; KASHINA, P.S., tekhn. red.

[Bibliography of the regionalisation and distribution of
Soviet agriculture; 1818-1960] Bibliografiia po reioniro-
vaniu i razmeshcheniu sel'skogo khoziaistva SSSR; 1818-1960.
Moskva, 1961. 198 p. (MIRA 14:5)

1. Akademiya nauk SSSR. Sektor seti spatsial'nykh bibliotek.
(Bibliography--Agricultural geography)
(Bibliography--Agriculture--Economic aspects)

BALYKO, N.N.; MORACHEVSKAYA, Ye.N.; KOZLOVA, T.K., red.

[Bibliography of Krasnoyarsk Territory in two volumes, 1924-1960] Bibliografiia Krasnoiarskogo kraia v 2-kh tomakh (1924-1960 gg). Krasnoiarsk, Krasnoiarskoe knizhnoe izd-vo. Vol.1. [Natural and economic conditions and economic development] Prirodno-ekonomicheskie uslovia i razvitie narodnogo khoziaistva. 1963. 568 p.
(MIRA 17:9)

1. Krasnoyarsk. Krayevaya biblioteka.

MORACHEVSKAYA, Ye V

118

CA

Lyszyme of the saliva during ontogenesis. I. A. Arshavskii, E. V. Morachevskaya, and S. M. Shtanler (Centr. Pediatric Inst. Dept. of Health, Moscow). *Russk. Eksp. Med. Biol. Sci.* No. 4, 69-71 (1960). Saliva of newborn puppies or of fetuses removed 2-3 days prenatally lacks lyszyme and if cow milk is substituted for mother's milk, lyszyme does not appear in the saliva until the dogs are 2-2 1/2 months old. In suckled puppies considerable quantities of lyszyme are present within 2-3 days and adult levels are reached on the 14th day. This is considered an example of passive immunization. I. A. Wegeer

DETAILED LITERATURE CLASSIFICATION

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DETAILED LITERATURE CLASSIFICATION

MORACHEVSKA, Ye. V.

MORACHEVSKA, Ye. V. - "Characteristic of Innervation Effects of the Motor Activity of the Gastrointestinal Tract in Various Growth Periods." Sub 13 Jan 53, Acad Med Sci, USSR. (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Vechernaya Moskva January-December 1952

MORACHEVSKAYA, Ye.V.

Characteristics of motor function of the gastrointestinal tract in various stages of development. *Pedical. zh. SSSR* 39 no. 4:437-442 July-Aug 1953. (CML 25:1)

1. Laboratory of Age-Group Physiology of the Institute of Pediatrics of the Academy of Medical Sciences USSR, Moscow.

KEMTSOVA, G.L.; MORACHEVSKAYA, Ye.V.; ANDREYVA, Ye.I.

Dynamics of conditioned reflex activity in pregnancy in animals.
Zhur.vys.nerv.deiat. 6 no.2:234-245 '58. (MIRA 13:1)

1. Physiological Laboratory, Institute of Obstetrics and Gynecology,
U.S.S.R. Ministry of Public Health, Moscow.

(PREGNANCY, physiology,
condition reflex activity in animals (Rus))
(REFLEX, CONDITIONED,
in pregu. in animals (Rus))

NSA

Chemistry

INVESTIGATION OF LUMINESCENCE OF INTERNAL COM-
PLEX COMPOUNDS OF SAMARIUM AND EUROPIUM WITH
 β -DIKETONES. A. K. Borchenko and A. G. Morozovskii
Izv. Akad. Nauk S.S.S.R. Ser. Fiz. 13, 634-641 (1971)
Sept.-Oct. (in Russian)

Luminescence spectra of the nitrate, sulfate, acetate,
acetylacetonate, benzoylacetonate, and dibenzoylimethanate
of Sm and Eu, as crystals and in various solvents at several
temperatures, are presented. Spectral lines are tabulated.

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MORACHEVSKIY, A. G.

USSR/Physical Chemistry. Thermodynamics, Thermochemistry, B-8
Equilibria, Physical-Chemical Analysis, Phase Transitions.

Abs Jour: Ref Zhur-Khimiya, No 5, 1957, 14636

Author : A. V. Storonkin, A. G. Morachevskiy

Inst : -

Title : Concerning The Application of Konovalov's First Law to
Ternary Systems Solution-Vapor

Orig Pub: Zh. fiz. khimii, 1955, 29, No 12, 2194-2203

Abstract: A general solution of the question concerning the applicability of the first law of Konovalov to ternary systems is given. The applicability of the law is proved thermodynamically in cases that the solution composition changes along the curves of the thermodynamical simplification, the secants of the composition triangles, the curves of incomplete extremes, and curves of open evaporation. There are regions where the law is not carried out, if the composition was altered by the addition of one of the components of ternary systems producing azeo-

Card 1/2

SR/Physical Chemistry. Thermodynamics, Thermochemistry. E-8
Equilibria, Physical-Chemical Analysis; Phase Transitions.

bs Jour: Ref Zhur-Khimiya, No 5, 1957, 14636

abstract: mixtures. The possibilities of an approximate disposition of these regions are shown.

Card 2/2

MEMORANDUM

AUTHOR: None given.

136-4-20/23

TITLE: New technical literature (Novaya tekhnicheskaya literatura).

PERIODICAL: "Tsvetnye Metally" (Non-ferrous Metals) 1957, No.4,
pp. 84 - 87 (U.S.S.R.)

ABSTRACT: This is an annotated list, compiled from material supplied by the Central Scientific-technical Library of the Ministry of Non-ferrous Metallurgy of the U.S.S.R. The following Russian articles and books are included:

Beneficiation:

K.N. Verigo, "Crushing and grinding equipment in capitalist countries" (Drobilno-razmolnoe oborudovanie v kapitalisticheskikh stranakh), Nauchno-tekhn. O-vo Tsvetnoy Metallurgii, Moscow, 1956, 159 pages. (Book)

N.N. Shumilovskiy and L.V. Mel'tser "Engineering methods for the calculation of consumption meters working on the "marked molecules" method", Priborostroenie, 1956, pp.4-8. No.11 (Article)

Metallurgy:

A.F. Alabyshev and A.G. Morachevskiy "Thermo-dynamic properties of the system sodium-cadmium", Dokl. Ak. Nauk SSSR, 1956, pp. 369-71, Vol. XII, No. 2. (Article)

"Geology, mining, metallurgy, Collected Works, No.13" (Geologiya, gornoe delo, metallurgiya. Sbornik Nauchnykh Trudov No.13) Metallurgizdat, Moscow, 1956, 416 pages. (Book)

New technical literature (Cont.)

136-4-20/23

- B.V. Deryagin and S.S. Dukhin "Settling of aerosol particles on a phase-change surface. Diffusional method of dust catching. Importance in medicine." Dokl. Ak. Nauk SSSR, 1956, pp.613-616. Vol. III, No.3. (Article)
- "Reports of the Academy of Sciences of the Kazakhstan SSSR, mining, metallurgy, building and building materials series." (Izvestiya Akademii Nauk Kazakhskoy SSR, seriya gornogo dela, metallurgii, stroitelstva i stroymaterialov (po razdelu metallurgii) No.9, Alma Ata, 1956, 111 pages. (Book)
- M.A. Iur'ev "Refractories in non-ferrous metallurgy" (Ogneupory v tsvetnoy metallurgii), Metallurgizdat, Moscow, 1956, 151 pages. (Book)
- A.F. Ogarkov, "Thermal conductivity of Ural refractory materials", V.Kh. Trudy Uralskogo Politekh., Sverdlovsk, 1956, pp. 5 - 22. (Article)
- N.F. Razina, M.T. Kozlovskiy and V.V. Stender, "Disruption of lead anodes during electrolysis of sulphuric acid solutions", Dokl. Ak. Nauk SSSR, 1956, pp. 404-406, Vol.III, No.2 (Article)
- I.G. Ryss, "Chemistry of fluorine and its inorganic compounds" (Khimiya ftora i ego neorganicheskikh soedineniy), Goskhimizdat, Moscow, 1956, 718 pages. (Book)

Card 2/4

New technical literature. (Cont.)

136-4-20/23

I.S. Stepanov, "Rare Metals" (Redkie Metally), MTsM SSSR TsLII, Moscow, 1956, 58 pages. (Book)

Machining of Metals, Metallurgy:

M.E. Blanter, L.I. Kuznetsov, M.G. Lozinskiy and E.A. Sincova, "Influence of alloying elements on the hardness of nickel alloys at high temperatures" *Izvestiya Akad. Nauk SSSR, Otd. Tekh. Nauk*, 1956, pp. 88 - 95. No.12, (Article)

S.Ya. Veyler, V.I. Likhtman and P.A. Rebinder, "Mechanism of the action of lubricants in the working of metals by pressure" *Dokl. Ak. Nauk SSSR*, 1956, pp. 985 - 988. Vol.110 No.6 (Article)

R.B. Golubtsova and L.A. Mashkovich, "Investigation of metallic compounds in nickel alloys containing aluminium." *Dokl. Ak. Nauk SSSR*, 1956, pp. 824-826. Vol.111, No.4. (Article)

M.I. Kochnev, "Correspondence of the temperatures of anomalous change in the properties of copper, its compounds and alloys" *Izvestiya AN SSSR, Otd. Tekh. Nauk*, 1956, No.12, pp.96-105, No.12 (Article)

D.I. Layner and Potemkin, A.Ya. "Rational method for annealing aluminized nickel". *TsLII MTsM SSSR*, 1956, pp. 19-21. (Article)

Tarnovskiy, I.Ya., Pozdsev, A.A., and Igashkov, V.B. "Deformation of metals during rolling" (*Deformatsiya metalla pri prok-atke*), Metallurgizdat, Sverdlovsk, 1956, 287 pages. (Book)

Card 3/4

New technical literature. (Cont.)

136-4-20/23

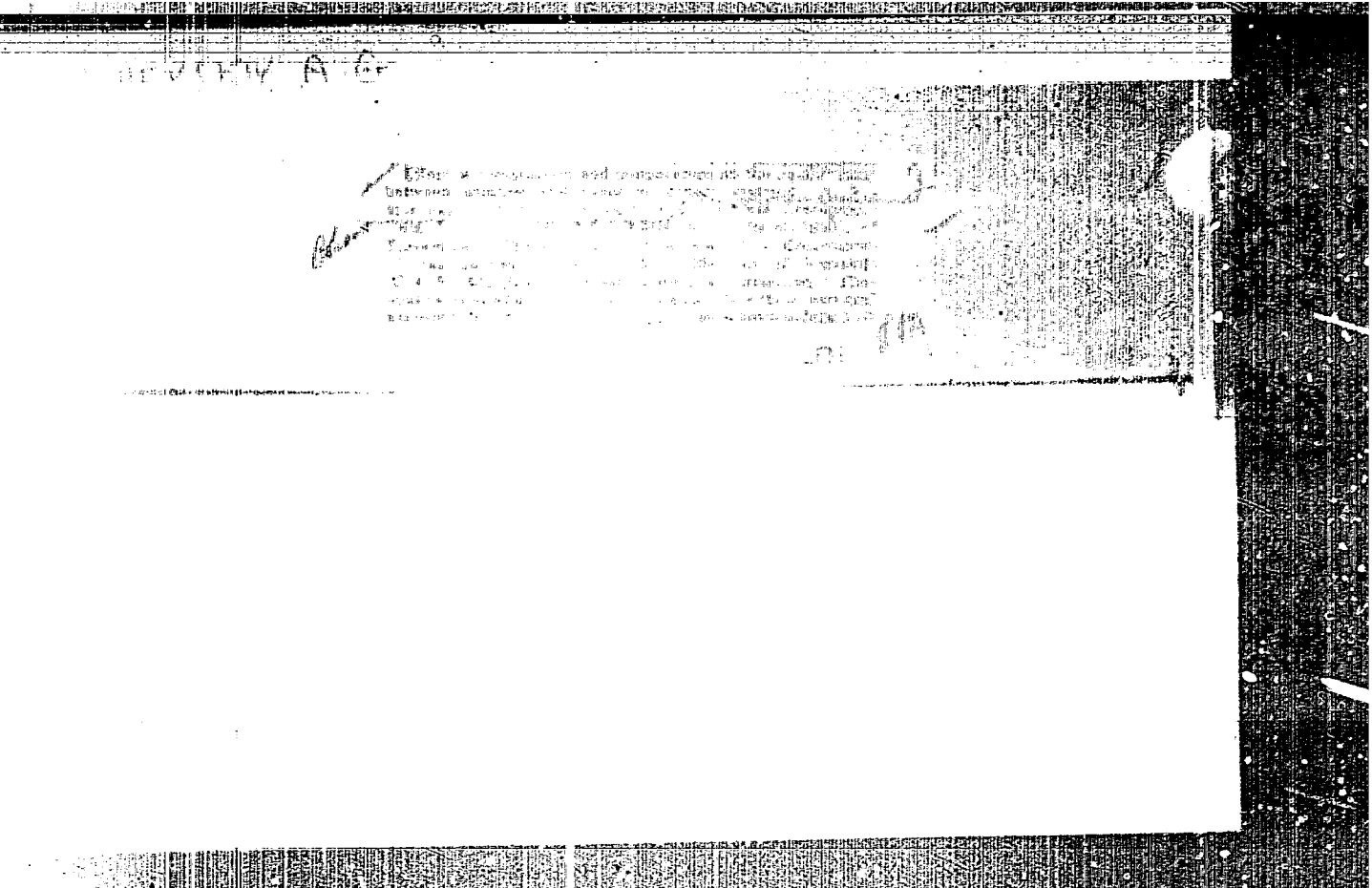
Usach, M.Ya. "Hydraulic presses П 646, П 648 and П 664 for pressing non-ferrous metal sections." *Tekhniko-ekonomicheskoy Informatsii*, 1956, pp. 8 - 10. Vol.11, No.11. (Article)

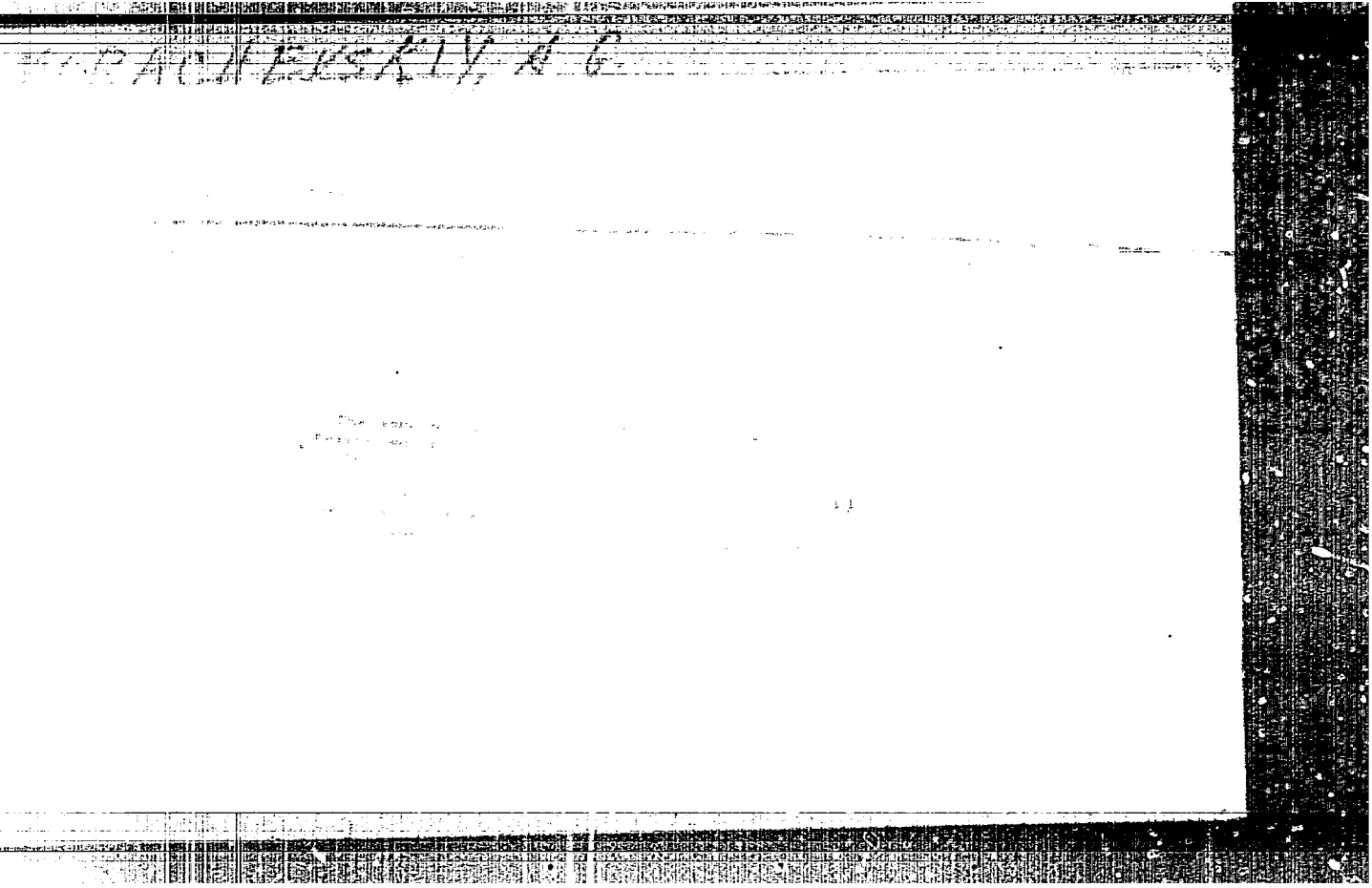
Economics:

A.I. But, "Planning and economics of non-ferrous metallurgical enterprises." (*Planirovanie i ekonomika predpriyatiy tsvetnoy metallurgii*), Metallurgizdat, Moscow, 1956, 270 pages. (Book)

AVAILABLE:

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MORACHEVSKIY, A. G., Master Tech Sci—(USSR) "Electrochemical investigation of
double and triple sodium alloys in liquid state." Leningrad, 1957, 10pp.
(M.A. H. G. U.S.S.R. Leningrad Polytech Inst. ¹⁴ ~~Kolmogorov~~), 100 copies.
(RL, No 44, 1957, p. 108)

MORACHEVSKIY, A. G.

78-3-27/35

AUTHORS: Alabyshev, A. F. and Morachevskiy, A. G.

TITLE: Electrochemical Investigation of the Ternary System Cd - Na - Pb in the Liquid State. (Elektrokhimicheskoye issledovaniye troynoy sistemy Cd - Na - Pb v zhidkom sostoyanii.)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1957, Vol.II, Nr.3, pp. 669-675. (USSR)

ABSTRACT: Using glass as the electrolyte e.m.f. values for the system Cd - Na - Pb at 425°(±0.5)C were determined. E.m.f. values and the sodium activity values calculated from this are tabulated for the following Cd : Pb ratios: - ∞ : 1; 4 : 1; 2 : 1; 1 : 1; 1 : 2; 1 : 4; 1 : ∞ together with those for Na : Pb ratios of 5 : 2 and 1 : 1. Darken's method¹ was used to calculate integral excess free energy values for the ternary system and the activity coefficients of cadmium and lead. The addition of lead to sodium - cadmium alloys was found to reduce greatly the activity coefficient of sodium, that of cadmium increasing. No significant effect on

Card 1/2

78-3-27/35

Electrochemical Investigation of the Ternary System
Cd - Na - Pb in the Liquid State.

activity coefficients for sodium - lead alloys on
adding cadmium was observed. There are 11 figures,
2 tables and 13 references, of which 3 are Slavic.

ASSOCIATION: Leningrad Polytechnic Institute imeni M. I. Kalinin .
(Leningradskiy Politekhnikheskiy Institut im. M. I.
Kalinina.)

SUBMITTED: October 5, 1956.

AVAILABLE: Library of Congress.

Card 2/2

MORACHEVSKIY, A.G.
USSR/Physical Chemistry - Thermodynamics, Thermochemistry, B-8
Equilibria, Physical-Chemical Analysis, Phase Transitions.

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 364

Author : A.G. Morachevskiy.

Inst : Leningrad Polytechnical Institute.

Title : Activity of Sodium in Alloys of Ternary System Tin -
Sodium - Zinc.

Orig Pub : Nauchno-tekhnich. inform. byul. Leningr. politekhn. in-ta,
1957, No 3, 12-19

Abstract : The activity of sodium in alloys of the ternary system
Sn - Na - Zn at 575° was determined. The activity was
computed using the results of measurement of the emf of
concentration chains of the amalgam type. Water glass
ZS - 8 (3.8% of Na₂O) was used as the electrolyte.
Alloys of binary systems Na - Sn and Na - Zn (strong

Card 1/2

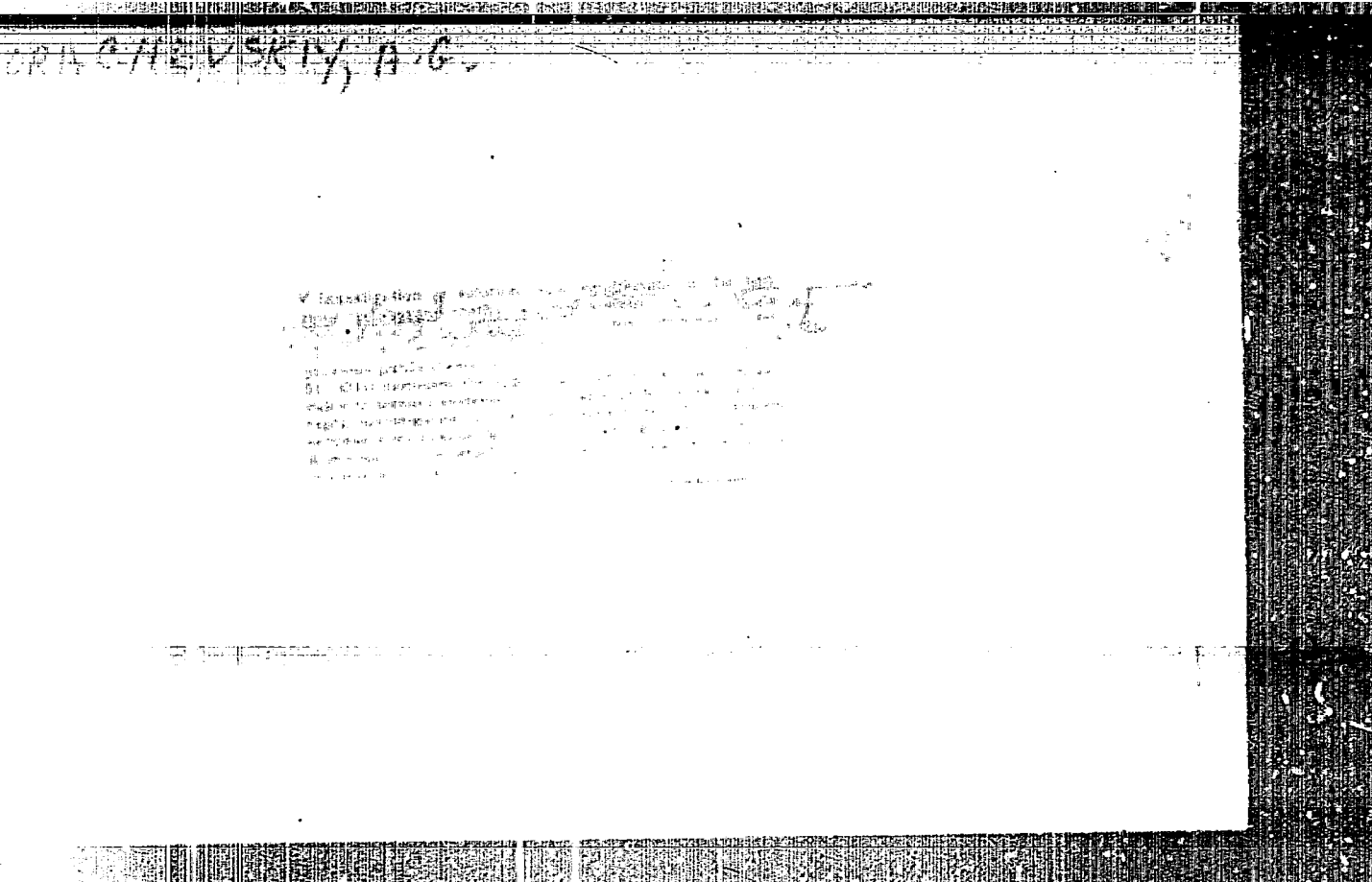
USSR/Physical Chemistry - Thermodynamics, Thermochemistry, Equilibria, Physical-Chemical Analysis, Phase Transitions. B-8

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 364

negative divergences from Raoult's law) and ternary system alloys situated in the angle sections with constant relations between the atom shares $N_{Sn} : N_{Zn} = 2 : 1$ and $N_{Na} :$

$N_{Sn} = 2 : 1$ and $1 : 2$ were studied. Little amounts of Zn do not essentially influence the activity factor of Na in alloys with Sn. The activity factor of Na starts to rise noticeably at the increase of Zn concentration (up to $N_{Zn} \approx 0.4$ to 0.6).

Card 2/2



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EC*

STORONKIN, A.V.; MORACHEVSKIY, A.B.

Relation between changes in temperature, pressure and the
composition of binary azeotropes. Zhur.fiz.khim. 31 no.1:42-48
Ja '57. (MLRA 10:5)

Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova.
(Azeotropy)