FERBERG, A.

Ways to increase the efficiency of capital investments. Fin.SSSR 19 no.11:37-41 N '58. (MIRA 12:7)
(Construction industry--Finance)

FIRBERG, Aron Solomonovich; SUPRUNENKO, I., otv.red.; ZAVERNYAYEVA, L., red.izd-va; LEBEDEV, A., tekhn.red.

[Organization of economic work in Construction Bank institutuions] Organizatsiia ekonomicheskoi raboty v uchrezhdeniiakh stroibanka. Moskva, Gosfinizdat, 1959. 127 p. (MIRA 13:1)
(Banks and banking)
(Construction industry--Finance)

FERBERG, A.

Important problems in the efficiency of capital investments.
Fin.SSSR 20 no.8:27-36 Ag '59. (MIRA 12:11)
(Capital investments)

KHACHATUROV, T.S.; Prinimali uchastiye: BAKULEV, G.D., doktor ekon.nauk; VAYNSHTEYN, B.S.; VARENTSOV, Ya.P.; KLIMENKO, K.I., doktor ekon. nauk; KRASOVSKIY, V.P., kand.ekon.nauk; KURAKOV, I.G.; FERBERG, A.S., kand.ekon.nauk; SHUSTER, A.I., otv.red.; STREL'NIKOVA, M.A., red.; GERASIMOVA, Ye.S., tekhn.red.

[Standard method for determining the economic effectiveness of capital investments and new technology in the national economy of the U.S.S.R.] Tipovaia metodika opredeleniia ekonomicheskoi effektivnosti kapital'nykh vlozhenii i novoi tekhniki v narodnom khoziaistve SSSR. Moskva, Gosplanizdat, 1960. 21 p. (MIRA 13:7)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov). 3. Institut ekonomiki AN SSSR (for Bakulev, Klimenko). 4. Institut ekonomiki stroitel'stva Akademii stroitel'stva i arkhitektury SSSR (for Vaynshteyn). 5. Gosplan SSSR (for Varentsov). 6. Nauchno-issledovatel'skiy ekonomicheskiy institut Gosplana SSSR (for Krasovskiy). 7. Gosudarstvennyy nauchno-tekhnicheskiy komitet SSSR (for Kurakov). 8. Stroybank SSSR (for Ferberg). 9. Nauchnyy sovet po probleme ekonomicheskoy effektivnosti kapital'nykh vlozheniy i novoy tekhniki (for Shuster).

(Capital investments) (Machinery in industry)

FERBERG, A.

Strengthen business accounting in construction. Fin. SSSR 21 no.9: 14-20 S '60. (MIRA 13:9)

(Construction industry--Finance)

FERBERG, A.

Economic work is an important factor in utilizing hidden potentialities in construction. Fin. SSSR 22 no.3:58-63 Mr '61.
(MIRA 14:7)
(Construction industry—Auditing and inspection)
(Banks and banking)

PERBERG, A.

Important condition for increasing operational control over the efficiency of capital investments. Fin.SSSR 23 no.6:30-35 Je '62. (MIRA 15:7)

(Capital investments) (Banks and banking)

FERBERG, A.

New features in State Bank control over capital investment plans.
Fin.SSSR 37 no.3:16-21 Mr '63. (MIRA 16:4)
(Banks and banking)
(Capital investments--Auditing and inspection)

FERBERG, Aron Solomonovich; VOZYAKOV, A., otv. red.

[Economic work of the Contstruction Bank; bank and the economics of construction] Ekonomicheskaia rabota Stroibanka; bank i ekonomika stroitel'stva, Moskva, Izd-vo "Finansy," 1964. 175 p. (MIRA 17:6)

АЛТЕМ'YEV, Yu.N., kandidat tekhnicheskikh nauk; ALEKSEYEV, I.A., inzhener; ASTVATSATUROV, G.G., inzhener; BISNOVATYY, S.I., inzhener; BONDARENKO, A.F., inzhener; GURAL'NIK, Ye.L., inzhener; GORBUNOV, M.F., inzhener; ZLATKOVSKIY, A.P., kandidat tekhnicheskikh nauk; KATTS, N.V., inzhener, KITAYEV, A.S., inzhener; KOZLOV, A.M., inzhener; LEONOV, P.T., inzhener; LIVSHITS, L.G., kandidat tekhnicheskikh nauk; LIBERMAN, A.R., inzhener; LINNIK, Ye.M., inzhener; LUKANOV, M.A., inzhener; MOROZOV, S.A., inzhener; POGORELYY, I.P., kandidat tekhnicheskikh nauk; PETROV, S.A., kandidat tekhnicheskikh nauk; PYATETSKIY, B.G., inzhener; RABOCHIY, L.G., kandidat tekhnicheskikh nauk; SELIVANOV, A.I., kandidat tekhnicheskikh nauk; FERBERG, B.S., kandidat tekhnicheskikh nauk; CHISTYAKOV, V.D., inzhener; CHUNIKHIN, V.M., inzhener; SHIRYAYEV, A.I., inzhener; SHCHUPAK, A.D., inzhener; KUCHUMOV, P.S., inzhener, redaktor; PETROV, S.A.; PESTRYAKOV, A.I., redaktor; BALLOD, A.I., tekhnicheskiy redaktor.

[Handbook of equipment for repairing tractors and agricultural machinery] Spravochnik po oborudovaniiu dlia remonta traktorov i sel'skokhoziaistvennykh mashin. Moskva, Gos. izd-vo selkhoz. lit-ry, 1954. 646 p. (MLRA 7:11)

(Tractors--Repairing) (Agricultural machinery--Maintenance and repair)

MOROZOV, L.A., inzh.; PRASOLOV, B.A., inzh.; CHISTYAKOV, Yu.V., inzh.; FERBERG, B.S., red.; STREMOUSOV, V.N., tekhn. red.

[Album of fixtures and tools for the assembly and disassembly of the "Stalinets-80" tractor] Al'bom prisposoblenii i instrumenta dlia sborki i razborki traktora "Stalinets-80." Moskva, Goslesbumizdat, 1951. 86 p. (MIRA 16:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i energetiki lesozagotovk.
(Tractors--Maintenance and repair)

GLUKHOV, V.P.; SITNIKOVA, T.G.; FERBERG, M.B.

Selenium recovery from the granulated copper slime from industrial roasting furnaces. TSvet. met. 36 no.3:83-84 Mr '63. (MIRA 16:5)
(Selenium--Metallurgy)

ORLOV, A.M.; BORBAT, V.F.; FERBERG, M.B.

Reduction of selenium from selenium-bearing soda solutions by hydrogen under pressure. TSvet. met. 36 no.3:81-83 Mr '63.
(MIRA 16:5)

(Selenium--Metallurgy)

DOLGIKH, V.I.; BOBIKOV, P.I.; BORBAT, V.F.; FERBERG, M.B.; GINDIN, L.M.

Extractive method of recovering noble metals from slimes. TSvet. met. 36 no.11:85-86 N '63. (MIRA 17:1)

FURBEROV, I.L., doktor tekhn.nauk; BRUSHTEYN, N.Z., kand.tekhn.nauk; MUSINOV, G.O.; PITIN, R.N.; FEDOROV, N.A., inzh.

Hydraulic fracturing of strata during underground coal gasification. Podzem.gaz.ugl. no.1:31-34 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut podzemnoy gazifikatsii ugley i Institut goryuchikh iskopayemykh im. G.M. Krzhizhanovskogo AN SSSR.
(Coal gasification, Underground)

DERMAN, B.M., kand. tekhn. nauk; ROGAYLIN, M.I.; FERBEROV, I.L. doktor tekhn. nauk.

Investigating the vapor decomposition process in coal channels. Podzem. gaz. ugl. no.4:7-9 '58. (MIRA 11:12)

1.Institut goryuchikh iskopayemykh im. G.M. Krzhizhanovskogo AN SSSR.

(Coal gasification, Underground)

FERBEROV, L.E., inzh.

Our publication and technological progress. Prom. energ. 21 no. 1:7-11 Ja '66 (MIRA 19:1)

FIALKOVSKIY, Aleksandr Makarovich,; FERBEROV, Leonid Yakovlevich,; KUZNETSOV, K.K., otv. red.; SUROVA, V.A., red. izd-va,; SHKLYAR, S.Ya.,tekhn. red.

[Handbook of materials regulating the establishing of standards for the determination of estimated costs of construction in the coal industry] Spravochnik deistvuiushchikh normativnykh dokumentov dlia opredeleniia smetnoi stoimosti stroitel'stva v ugol'noi promyshlennosti. Moskva, Ugletekhizdat, 1958. 47 p. (MIRA 11:12)
(Coal)
(Building--Estimates)

MONAKHOV, N.I., inzh., glavnyy red.; TURIANSKIY, M.A., inzh., zam.glavnogo red.; FERBEROV, L.Ya., inzh., red.sbornika; ETINGIN, V.M., red. sbornika; KHAVIN, B.N., red.izd-va; STEPANOVA, E.S., tekhn.red.; SOLNTSEVA, L.M., tekhn.red.

[Collection No.3 of consolidated cost indexes of mining operations, buildings, and structures of the coal industry to be used in the revaluation of capital assets] Sbornik no.3 ukrupnennykh pokazatelei stoimosti gornykh vyrabotok, zdanii i sooruzhenii ugol'noi promyshlennosti dlia pereotsenki osnovnykh fondov. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Vol.2. 1958. 165 p. (MIRA 12:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Coal mines and mining) (Building--Estimates)

FERBEROV, Leonid Yakovlevich; TURIN, Aleksandr Aleksandrovich; TOPIL'SKIY, Nikolay Leonidovich; GRAMMATIKOV, A.N., otv.red.; MIROSHNICHENKO, V.D., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.

[Compiling estimates and making calculations for capital construction in the coal industry] Sostavlenie smetnoi dokumentatsii i proizvodstvo raschetov v kapital'nom stroitel'stve ugol'noi promyshlennosti. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Pt.1. [Estimates for coal-mining work] Smetnaia dokumentatsiia na gornoprokhodcheskie raboty. 1960. 261 p. (MIRA 14:6)

(Coal mines and mining—Finance)

FERBEROV, Leonid Yakovlevich; TOPIL'SKIY, Nikolay Leonidovich; LYUL'KO, Ye.V., retsenzent; GRAMMATIKOV, A.N., otv.red.

[Preparing estimates and the payment procedure for capital construction in the coal industry. Estimates for construction work, and the acquisition and assembly of equipment] Sostavlenie smetnoi dokumentatsii i proizvodstvo raschetov v kapital'nom stroitel'stve ugol'noi promyshlennosti. Moskva, Nedra. Pt.2. 1964. 341 p. (MIRA 18:2)

BUDANOV, G.V., inzh., red.; KARPOVSKIY, I.I., inzh., red.; FERBEROV, L.Ya., inzh., red.; CHECHEL'NITSKIY, I.P., inzh., red.

[Price list No.1 of the average district estimated prices for materials, articles and elements] TSennik No.1 srednikh raionnykh smetnykh tse. na materialy, izdeliia i konstruktsii. Moskva, Stroiizdat. Pt.5. 1965. 421 p. (MIRA 18:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.

1. FERBERS, B. M.: MAGILINITSKIY, S. G.

2. USSR (600)

4. Eye - Diseases and Defects

7. Use of furacilin in opthalmology. Latv. PSR Zin. Akad. Vestis No. 5, 1951.

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

2

ROMANIA

GHIA, V.; SPAHIU, I.; PERCALA, E.

Bucharest, Revue d'Electrotechnique et d'Energétique, No 1, Série B, 1963, pp 3-15

"Aspects Regarding the Influence of Liquid Fuel Viscosity on the Combustion and Radiation of the Flame."

Q-2

YUGOSLAVIA / Farm Animals.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45163

Author : Fercej, Joze
Inst : Not given
Title : The Improvement of the Brown Cattle in Slovenia

Orig Pub : Stocarstvo, 1957, 11, No. 5-6, 238-243

Abstract : Slovenia has 170,000 heads of the Brown cattle. In 1955, there were 10,053 cows registered for the control of milk production. Their average yearly milk yield was 2,435 kg. with a 3.7% fat content. About 15% of the cows produced over 3,200 kg. of milk, and 2.5% of them over 4,000 kg. The percentage of cows which yielded 4% and more of butterfat amounted to 21%. The live weight of the cows was 450-500 kg. Data concerning the breeding work carried out for the improvement of the Slovenian Brown breed during the last decades are given. The average milk yield remained almost without change for 18 years.

Card 1/1

GHIA, V.; SPAHIU, I.; FERCALA, E.

Aspects of the influence of liquid fuel viscosity on the combustion and radiation of the flame. Rev electrotechn energet B 8 no.1:3-15 '63.

FERCEJ-CENCEIJ, J.

Fercej-Cenceij, J. Effect of fertilizers on the quality of hay; a preliminary report. p.243.

SO: Monthly List of East European Accessions List (EEAL) LC, Vol 4, No. 11 November 1955, Uncl.

84348

P/045/60/019/004/006/009
B022/B070

24.7900 (1035, 1144, 1160)

AUTHOR: Ferchmin, A. R.

TITLE: Effect of the Crystal Lattice Boundaries on the Spin Wave Resonance in a Ferrimagnetic Substance

PERIODICAL: Acta Physica Polonica, 1960, Vol. 19, No. 4, pp. 487 - 497

TEXT: The author investigates the spin wave resonance produced in a thin ferrimagnetic sheet by a homogeneous magnetic alternating field. The solution of N semiclassical equations of spin motion is obtained. The form of these equations depends on whether the spin moments at the ends of a linear ferrimagnetic chain are equal or unequal. It is shown that, besides the ordinary spin wave with a periodic amplitude, an aperiodic spin wave may also be excited. The difference between the cases where the spins at the ends of the chain are equal or unequal is explained as follows: Every standing spin wave inside the crystal consists of two progressive spin waves which are produced by the external magnetic alternating field on the boundary surfaces. When the spins are the same at the ends, two equal spin waves are produced. When the spins

Card 1/2

84348

Effect of the Crystal Lattice Boundaries on the Spin Wave Resonance in a Ferrimagnetic Substance

P/045/60/019/004/006/009
B022/B070

are unequal, two spin waves with unequal amplitudes are produced. Only the exchange interaction between neighboring atoms is taken into account in this paper. It is known that in ferrites and antiferromagnetic substances an important role is played by interactions between second neighbors. The author believes that Rutherford's method (Ref. 7) can be used to solve this problem. He thanks Professor Doctor S. Szczeniowski for suggesting the problem, for critical hints and reading the manuscript. He thanks Doctor H. Cofta for introducing him (the author) to the problem of semiclassical spin wave theory and making available his unpublished papers. He thanks Doctor L. Kowalewski and L. Nowicki for helpful discussions. There are 9 references: 1 Polish, 4 US, and 4 British.

ASSOCIATION: Institute of Theoretical Physics, Adam Mickiewicz University, Poznan

SUBMITTED: January 13, 1960

Card 2/2

FERCHMIN, A. R.

On the quantum theory of spin-wave resonance in a finite ferromagnetic linear chain. Acta physica pol 20 no.9:787-789 '61.

1. Adam Mickiewicz University, Institute of Theoretical Physics, Poznan.

S/519/60/000/008/025/031
D051/D113

AUTHOR: Ferchev, M. D.

TITLE: Contribution to the problem of seismicity of Sakhalin Island

SOURCE: Akademiya nauk SSSR. Sovet po seysmologii. Byulleten', no. 8, Moscow, 1960. Voprosy seysmicheskogo rayonirovaniya, 189-195

TEXT: Based on a comparative study of seismic and geological data, a new scheme of seismic zoning of Sakhalin Island is given. Seismic data, available only since the late 19th century, show accumulations of epicenters of heavy and light earthquakes along certain parts of the west coast, in the south, and in the north-east of the island. The author evaluates the relationship between the observed seismicity and ascertained or assumed geologic-tectonic data and proposes three zones of different seismic intensity: two of intensity 7 and one of intensity 6. The zone of intensity 7, on the west coast begins in the Aleksandrovskiy rayon and stretches southwards to Cape Kril'on. The eastern boundary passes along the point where the Tertiary and Cretaceous sediments meet; however, in the northern part of the zone the boundary includes a small coastal region of Cretaceous sediments. The second

Card 1/2

Contribution to the problem of ...

zone of intensity 7 covers the Shmidt Peninsula and the northern part of the Okhinskiy rayon. The remainder of the island belongs to the zone of intensity 6. The author's scheme of seismic zoning supersedes the old zonation of the island, which was discarded by V. Ye. Dibrov in 1957. From studying the seismicity of Sakhalin in more detail, seismic stations should be equipped with apparatus of the regional type (СГХ [SGKh] and СВХ [SVKh]). The stations on the island, like other stations in the Far East, are only equipped with apparatus of the general type (СГК [SGK] and СВК [SVK]) and cannot record light earthquakes. V. N. Bichevina and N. A. Linden are mentioned. There are 5 figures and 12 references: 10 Soviet and 2 non-Soviet-bloc. The 2 English-language references are: International Seismological Summary; B. Gutenberg, C. F. Richter, Seismicity of the Earth. Princeton University Press, 1949.

ASSOCIATION: Sakhalinskiy kompleksnyy nauchno-issledovatel'skiy institut AN SSSR (Sakhalin Comprehensive Scientific Research Institute of the AS USSR)

AVER'YANOVA, V.N.; FEDOTOV, S.A.; FERCHEV, M.D.

Preliminary data on the earthquake and tsunamis of November 6, 1958. Biul. Sov. po seism. no.9:89-99 '61. (MIRA 14:4)
(Kurile Islands—Earthquake, 1958)
(Kurile Islands—Tidal wave, 1958)

Ferchev, M.D.

PHASE I BOOK EXPLOITATION SOV/[illegible]

Akademiya nauk SSSR. Sovet po seysmologii

Byulleten', No. 8: Voprosy seysmicheskogo rayonirovaniya (Bulletin of the Council on Seismology, Academy of Sciences USSR, No. 8; [illegible] of Division Into Seismological Districts) Moscow, 1960. [illegible] p. [illegible] copies printed.

Resp. Ed.: S. V. Medvedev, Doctor of Technical Sciences; Eds. of [illegible] House: I. A. Barsukov, and L. K. [illegible]; Tech. Ed.: [illegible]

PURPOSE: This publication is intended for seismologists.

COVERAGE: The publication contains articles based on reports [illegible] at a meeting of the Council on Seismology held in [illegible] [illegible]. The articles reflect the present state of work conducted in seismic "[illegible]ization" and discuss the following problems: methods of seismic regionalization and microregionalization, methods of [illegible] regional seismic[illegible], instrument and descriptive data on earthquakes in different seismic regions of the USSR, and the relationship between seismicity and geological structures. The articles are accompanied by diagrams, tables, [illegible]

AVAILABLE: Library of Congress

Card 6/6

JA/rn/ec
8-26-60

(15)

PERCHEV, M.D.

Seismicity of Sakhalin. Biul. Sov. po seism. no.8:189-195 '60. (MIRA 13:10)

1. Sakhalinskiy kompleksnyy nauchno-issledovatel'skiy institut AN SSSR.
(Sakhalin--Seismology)

Ferchmin, A.

The influence of quadrupole moments on the dielectric constant of a dipole liquid. In French. p. 133.

ACTA PHYSICA POLONICA. (Polska Akademia Nauk. Komitet Fizyki).

Warszawa, Poland, Vol. 18, no. 2, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959. Uncla.

Ferchmin, A R

3

The influence of quadrupole moments on the dielectric constant of a dipolar liquid. A. R. Ferchmin (Adam Mickiewicz Univ., Poznań, Poland). *Acta. Phys. Polon.* 18, 133–41(1959)(in French).—The theory of Onsager is applied to polar liquids in which the mols. exhibit dipole and quadrupole moments. A model having the form of an eccentric dipole in a sphere surrounded by a dielec. continuum is used. The calcn. gives a mixed supplementary term for the polarization, depending on dipole and quadrupole moments. The values of the dipole moments for certain liquid chem. compds. may be improved if the quadrupole moments have been measured. M. Kland

BEREZOVSKIY, E.L., tekhnik; FERCHUK, M.F., starshiy mashinist

Flushing out an operating VPT-50-2 turbine. Energetik 8 no.11:21-22 N '60. (MIRA 13:12)

(Steam turbines)

FERDA, J

Soil survey in the area of the economic unit of Klinec. p.521.
SBORNIK RADA LESNICTVI.. Praha. Vol. 28, no. 4, August 1955

SOURCE: East European Accessions List, (EEAL) Library of Congress
Vol. 5, No. 8, August 1956

▲CZECHOSLOVAKIA/Forestry - Forest Cultivation. K-5

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39109

Author : Ferda, J.
Inst : -
Title : Cultivation and Recultivation of Peat Mosses for Purposes of Forestry.

Orig Pub : Lesn. prace, 1956, 35, No 11, 491-496.

Abstract : It is explained that cultivation means the economical utilization of virgin peat mosses (specially, for purposes of forestation).
Recultivation is defined as the utilization of peat mosses, which were already developed or were disrupted by irregular exploitation.
The cultivation of peat mosses in Czechoslovakia is hampered by their inaccessibility in the mountains thus creating the necessity of recultivating more conveniently located peat mosses.

Card 1/3

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39109

It was established as a result of experimental cultivations on peat soils in Southern Bohemia at the beginning of this century that good results are obtained with poplars, birch, oak, willow and pine trees.
Elms, ash, maple and beech trees do not take root.
The best results for the growth of tree species are observed on the edges of the peat moss zone, where the depth of peat moss is 1 m.
In that location pine, spruce, birch are successfully taking root and growing. Results with oak were partially successful. Deeper peat mosses located downstream as well as those of the transitional type are also susceptible to reconstruction, and planting on the edges of the principal drainage ditches 2.5 - 3 m deep is very successful. The water level in these ditches must be at least 1 m lower than the soil surface.
The cultivation of the mosses situated upstream in the

FERDA, J.

Effect of the humid period on the changes of some soil properties with regard to various locations. 1954-1956. p. 375.

SBORNIK. LESNICTVI. (Ceskoslovenska akademie zemedelskych ved.) Praha, Czechoslovakia, Vol. 4, no. 5, May 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959 Uncl.

~~JAROSLAV~~, FERDA, J.

CZECHOSLOVAKIA/Pesticides. H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65457

Author : Ferda Jaroslav
Inst : -
Title : Use of Chlorates as Herbicides in Heavy Soils.

Orig Pub : Lesn. prace, 1958, 37, No 1, 9-13.

Abstract : No abstract.

Card 1/1

13

FERDA, Jaroslav, C.Sc.Ing.

International congress on the general research on peat. Vestnik CSAZV 8 no. 1:33-34 '61. (EEAI 10:5)

1. Vyzkumny ustav zemedelsko-lesnickych melioraci Ceskoslovenske akademie zemedelskych ved, Praha.
(Peat)

FERDA, Jaroslav, inz., ScC.

Hydrologic importance of moorlands. Vodni hosp 13 no.5:162-165 '63.

1. Vyzkumny ustav melioraci, Praha.

FERDA, Jaroslav, inz. CSc.

Ten years of the activity of the Research Institute of Land Improvement in Prague. Les cas 10 no.10:941-943 O '64.

1. Research Institute of Land Improvement, Prague.

FERDA, Jaroslav

International Peat Congress in Leningrad. Vestnik CSAV 73 no. 1: 137-142 '64.

FERDA, Jaroslav, inz. CSc.

Afforestation of lands wasted by peat digging. Les cas 11 no.2: 175-196 F '65.

1. Research Institute of Land Improvement, Prague. Submitted February 24, 1964.

L 41333-66 EWT(m)/EWP(t)/ETI IJP(c) JD/WW/JW

ACC NR: AP6025584 SOURCE CODE: UR/0413/66/000/013/0018/0018

36
B

AUTHORS: Skvortsov, G. A.; Karavayov, M. M.; Kirillov, I. P.; Ford, M. L.; Alekseyenko, D. A.; Kaganskiy, I. M.

ORG: none

TITLE: A method for obtaining nitric acid. Class 12, No. 183194 [announced by Severodonets Branch of State Scientific Research and Design Institute of the Nitrogen Industry and of the Products of Organic Synthesis (Severodonetskiy filial Gosudarstvennogo nauchno-issledovatel'skogo i proyektnogo instituta azotnoy promyshlennosti i produktov organicheskogo sinteza)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 18

TOPIC TAGS: nitric acid, nitrogen compound, nitric ~~acid~~ oxide

ABSTRACT: This Author Certificate presents a method for obtaining nitric acid under the pressure of 5—10 atm, out of nitrogen oxides in the system of condensation of water vapors. To increase the concentration of nitric acid, the unreacted nitrogen oxides are absorbed by the produced acid at a temperature no higher than -5C, bleached, and used to strengthen the acid at a temperature of 25—45C in the absorption part of the bleaching column. [04]

SUB CODE: 07/ SUBM DATE: 13Apr64/ ATD PRESS: 5158

Card 1/1 11b UDC: 661.562.05

FERDINAND, Ya.M.; MARGULIS, L.A.; BRAYNINA, R.A.; DMITRIYEVA-KAVIKOVICH, Ye.M.; KOVALEVSKAYA, I.L.; MYASNENKO, A.M.; IVANOVA, L.M.; TELESHEVSKAYA, E.A.; MARISOVA, A.P.; KOVALEVA, N.S.

Methodology of studying the epidemiological effectiveness of intestinal vaccines. Zhur. mikrobiol., epid. i immun. 33 no.11:17-22 N '62. (MIRA 17:1)

1. Iz Rostovskogo i Moskovskogo institutov epidemiologii Ministerstva zdravookhraneniya RSFSR i Moskovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.

FERDERBER, B.

Calculator for navigation. p. 29.
Aeronautic novelties. p. 31.
ARIPILE PATRIEI, Bucuresti, Vol. 1, no. 3, Mar. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

FERDERBER, B.

From Bucharest to Oradea through clouds. p. 30.
Around the earth in an airplane. p. 31.
Test planes. p. 31.

Vol. 2, no. 1, Jan. 1956
ARIPILE PARTIEI
Bucuresti, Rumania

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

FERDERBER, B.

FERDERBER, B. Radioaltimetry in aerial navigation. p. 190.

Vol. 3, no. 5, May 1956
REVISTA TRANSPORTURILOR
TECHNOLOGY
Bucuresti, Rumania

So: East European Accession, Vol. 7, no. 3, March 1957

FERDERBER, R.

FERDERBER, R. Radio navigation and public utilities aviation; a study. p. 357.

Vol. 3, no. 9, Sept. 1956
REVISTA TRANSPORTURILOR
TECHNOLOGY
Bucuresti, Rumania

So: East European Accession, Vol. 7, no. 3, March 1957

FERDERBER, C. ; IACOBESCU, G.

Aerial circulation and navigation in the era of jet planes. p. 125.

REVISTA TRANSPORTURILOR. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romina si Ministerul Transporturilor Rutiere, Navale si Aeriene) Bucuresti, Rumania. Vol. 6, no. 3, Mar. 1959.

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

Uncl.

FERDIGALOV, G. I.

Morphology of flowers of Commelina communis L. Bot. zhur. [Ukr.] 12 no.1:103-104 '55. (MIRA 8:9)

1. Turchinivs'kiy s.-g. tekhnikum, Zhitomirs'ka oblast'
(Commelina)

FERDINAND, Leffler, Dr.

Technic of urethrography, Rozhl. chir. 35 no.1:24-26 Feb 56.

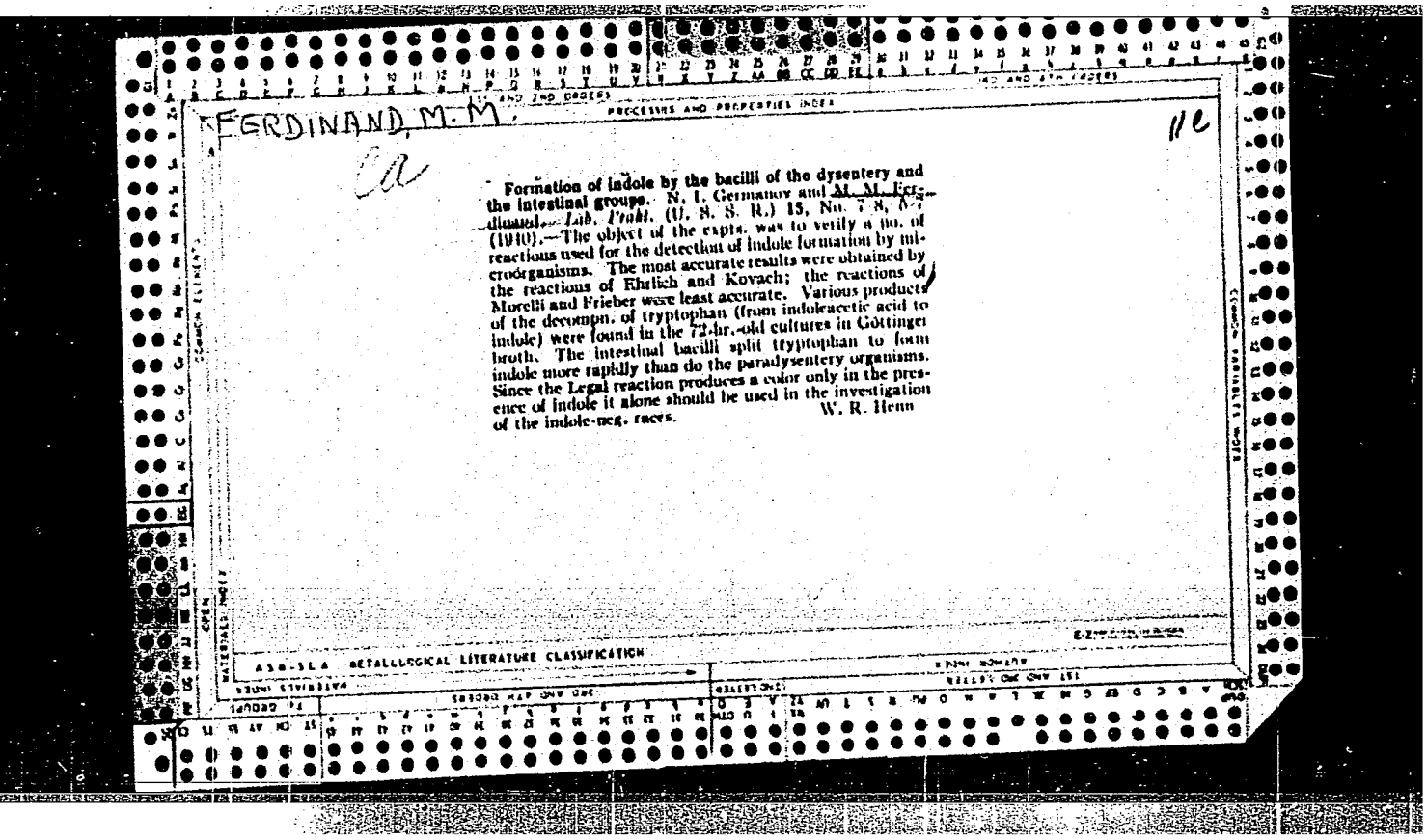
1. Z Urologickeho oddeleni v Praze II, Sokolska 37 (prednosta doc. dr Paces).

(URETHRA, radiography
technic (Cz))

FERDINAND, Laszlo, okleveles gepeszmernok

Winged ships in Hungarian navigation. Kozl tud sz 13 no.8: 360-364 Ag'63

1. Magyar Hajozasi Reszvenytarsasag osztalyvezetoje.



FERDINAND, M.M.

11e

Formation of indole by the bacilli of the dysentery and the intestinal groups. N. I. Germanov and M. M. Ferdinand.—*Lab. Prakt.* (U. S. S. R.) 15, No. 7/8, 5–7 (1940).—The object of the expts. was to verify a no. of reactions used for the detection of indole formation by microorganisms. The most accurate results were obtained by the reactions of Ehrlich and Kovach; the reactions of Morelli and Frieber were least accurate. Various products of the decompn. of tryptophan (from indoleacetic acid to indole) were found in the 72-hr.-old cultures in Göttinger broth. The intestinal bacilli split tryptophan to form indole more rapidly than do the paradysentery organisms. Since the Legal reaction produces a color only in the presence of indole it alone should be used in the investigation of the indole-neg. races.

W. R. Henn

FISHER, G.M.; FERDINAND, M.M.; KLYUCHNIKOVA, A.G.

Characteristics of atypical strains of Flexner's bacillus. Zhur. mikrobiol., epidem. i immun. 27 no.3:24-27 Mr' 56. (MIRA 9:7)

1. Iz Sanitarno-epidemiologicheskogo otryada.
(SHIGELLA,
dysenteriae, atypical Flexner's strains (Rus))

FERDINAND, O.

"J. Purkyne's Legacy to Phoniatrics," p.249.
(Casopis Lekaru Ceskych, Vol.92, No.9, Feb. 1953, Praha.)

SO: Monthly List of East European Accessions, Vol.2, No.9 Library of Congress, September 1953, Uncl.

FERDINAND, O., Hranice

Modern education of deaf-mute children. Cas. lek. cesk. 95 no. 39:1081-1083 28 Sept 56.

(DEAF MUTISM, in inf. & child
rehabil. & educ. (Cz))
(REHABILITATION, in various dis.
deaf mutism, educ. problems (Cz))
(EDUCATION
of deaf mute child. (Cz))

FERDINAND, O.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: MD

Affiliation: OUNZ /Okresni ustav narodniho zdravi; Okres Institute of National Health/, Prerov; Hospital with Polyclinic, ORL /Otorhynolaryngological Department/, Hranice.

Source: Prague, Prakticky Lekar, Vol 41, No 11, 1961, pp 519-522.

Data: "Contribution by Our Physiocrats to the Development of Biology and Medicine. A Preliminary Report."

139

GPO 981643

FERDINAND, Prim. MUDr (Hranice na Mor., Jurikova 4)

Liquorrhea of the cerebrospinal fluid following paracentesis. Lek. listy, Brno 9 no.22:508-510 15 Nov. 54.

1. Z Otolryngologicke oddeleni OUNZ Hranice.

(MENINGITIS, in infant and child,
paracentesis causing liquorrhea)
(PUNCTURES,
tympanic paracentesis causing otorrhea in meningitis in child)
(EAR, MIDDLE, surgery,
paracentesis in meningitis, causing otorrhea in child)
(CEREBROSPINAL FLUID,
otorrhea after tympanic paracentesis in meningitis in child)

FERDINAND, YA. M.

AID P - 3657

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 3/19

Author : Ferdinand, Ya. M., Sanitary Inspector

Title : Experience in planning rural settlements in Rostov Oblast

Periodical : Gig. i. san., 11, 9-14, N 1955

Abstract : Deals with the hygienie evaluation of 8 new and 3 old settlements in the region of the TSimlyansk water reservoir. Describes in detail the planning of these populated localities, streets, houses, etc. and points out the advantages of the modern settlements giving further recommendations from the point of view of hygiene and sanitation. Diagram, bibliography.

Institution : Sal'skaya Regional Medical and Epidemiological Station

Submitted : F 1, 1955

FERDINAND, Ya. M., Candidate of Med Sci (diss) -- "Hygienic problems in the construction of the Tsimlyansk Reservoir". Stalino, 1959. 16 pp (Min Health Ukr SSR, Stalino State Med Inst im A. M. Gor'kiy), 200 copies (KL, No 20, 1959, 116)

FERDINAND, Ya.M.; MEDYUKHA, G.A.; KUCHERENKO, R.A.; DUNCHENKO, Ye.P.
STROKOVA, Ye.I.; SHCHEGLOVA, L.A.; PYASETSKAYA, Ye.A.;
DEMENT'YEVA, A.I.; ZOLINA, L.T.

Epidemiological effectiveness of the systematic use of the typhoid bacteriophage for chronic bacterial carriers. Sov. med. 24 no. 5:128-130 My '60. (MIRA 13:10)

1. Iz Rostovskogo-na-Donu instituta epidemiologii, mikrobiologii i gigiyeny.
(TYPHOID FEVER) (BACTERIOPHAGE)

KOVALEVSKAYA, I.L.; EPSHTEYN-LITVAK, R.V.; DMITRIYEVA-RAVIKOVICH, Ye.M.; KURNOSOVA, N.A.; SHCHEGLOVA, Ye.S.; FERDINAND, Ya.M.; KHOMIK, S.R.; MAKHLINOVSKIY, L.P.; PETROVA, S.S.; GOLUBOVA, Ye.Ye.; GONCHAROVA, Z.I.; SARMANEYEV, A.P.; SIZINTSEVA, V.P.; Prinimali uchastiye: MEDYUKHA, G.A.; OSOKINA, L.A.; RACHKOVSKAYA, Yu.K.; OSOVTSEVA, O.I.; DEDUSENKO, A.I.; KOVALEVA, P.S.; KARASHEVICH, V.P.; CHEBOTAREVICH, N.D.; CHIGIR', T.R.; SKUL'SKAYA, S.D.; KECHETZHIYEV, B.A.; DEMINA, A.S.; ZUS'MAN, R.T.; YESAKOV, P.I.; SYSOYEVA, Z.A.; ZINOV'YEVA, I.S.; FAL'CHEVSKAYA, A.A.; DENISOVA, B.D.; TIMOFELEVA, R.G.; SYRKASOVA, A.V.; LYANTSMAN, S.G.

Reactivity and immunological and epidemiological effectiveness of alcoholic typhoid and paratyphoid fever vaccines in school children. Zhur. mikrobiol., epid. i immun. 33 no.7:72-77 Jl '62. (MIRA 17:1)

1. Iz Moskovskogo, Rostovskogo, Omskogo institutov epidemiologii i mikrobiologii, Stavropol'skogo instituta vaktsin i syvorotok i Ministerstva zdravookhraneniya RSFSR. 2. Rostovskiy institut epidemiologii i mikrobiologii (for Kovaleva). 3. Stavropol'skiy institut vaktsin i syvorotok (for Sysoyeva). 4. Kuybyshevskiy institut epidemiologii i mikrobiologii (for Zinov'yeva). 5. Saratovskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya (for Lyantsman).

BRAYNINA, R.A.; MARGULIS, L.A.; KOVALEVSKAYA, I.L.; MITEREVA, V.G.; FERDINAND, Ya.M.; PUTRIN, N.G.; PAVLENKO, I.P.; TUPIKINA, V.A.; UDAVICHENKO, V.Ya.; KOBYZEVA, O.V.

Epidemiological effectiveness of dried alcoholic divaccine, enriched and nonenriched with Vi-antigens in school-age children and of Vi-antigens in preschool-age children in a typhoid fever outbreak. Zhur. mikrobiol.,epid.i immun. 40 no.12:18-22 D '63.

(MIRA 17:12)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta epidemiologii i mikrobiologii.

FERDINAND, Ya.M. (Rostov-na-Donu); Prinimali uchastiye: MARISOVA, A.P.; BRAYNINA, R.A.; MARGULIS, L.A.; MYASNENKO, A.M.; KOVALEVSKAYA, I.L.; TELESHEVSKAYA, E.A.; SOBOLEVA, S.V.; KALININA, K.I.; KOVALEVA, N.S.; IVANOVA, M.K.; ARENDER, B.A.; KUCHERENKO, R.A.; MANATSKOVA, K.S.; OLEYNIKOVA, L.T.; KIBARDINA, Yu.A.; GRIGOR'YEVA, K.S.; SEMENIKHINA, L.G.; CHERNYKH E.I.; DOROFEYEVA, V.M.; SHEVCHENKO, Ye.N.; ABRAMOVA, O.K.; SKUL'SKAYA, S.D.; PETROVA, Z.I.; MAKHLINOVSKIY, L.I.; KUZ'MINA, A.I.; AL'TMAN, R.Sh.; MARDERER, R.G.; YENGALYCHEVSKAYA, L.N.; CHIRKOVA, M.N.; TERESHCHENKO, N.I.; SHELKOVNIKOVA, M.A.; PROKOPENKO, V.V.; BEKLEMESHEVA, Ye.A.; BARANOVA, T.V.

Effectiveness of specific prophylaxis with alcohol divaccine against typhoid and paratyphoid B fever in school-age children. Zhur. mikrobiol., epid. i immun. 41 no.1:23-27 Ja '64.
(MIRA 18:2)

ACC NR: AP6031636 (A) SOURCE CODE: UR/0297/66/011/009/0840/0843

AUTHOR: Ferdinand, Ya. M.; Redechkina, Z. P.; Vozzhayeva, A. P.; Vetlugina, K. F.; Vevyur, N. A.; Zhigul'skaya, I. F. Borodzdenko, T. F.

ORG: Rostov-na Donu Scientific Research Institute of Epidemiology, Microbiology, and Hygiene (Rostovskiy-na-Donu nauchno-issledovatel'skiy institut epidemiologii, microbiologii i gigiyeny); Department of Infectious Diseases, Astrakhan Medical Institute (kafedra infektsionnykh bolezney Astrakhanskogo meditsinskogo instituta); Department of Infectious Diseases, Saratov Medical Institute (kafedra infektsionnykh bolezney Saratovskogo meditsinskogo instituta); Hospital No. 10, Volgograd (bol'nitsa No. 10)

TITLE: Antibiotic therapy and chronic typhoid fever carriers

SOURCE: Antibiotiki, v. 11, no. 9, 1966, 840-843

TOPIC TAGS: typhoid fever, typhoid carrier, antibiotic ~~therapy~~ drug treatment, infective disease,

ABSTRACT: Antibiotic treatment does not eliminate all typhoid carriers, but the treatment is justified since the highest percent of carriers was found among untreated patients. Administration of antibiotics until the third week of convalescence sharply reduces the number of carriers. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 05Nov65/ ORIG REF: 008/ OTH REF: 001/

Card 1/1 UDC: 616.927-085.779.931-07:616-008.97 (Bac. typhi)

ACC NR: AP6034523 SOURCE CODE: UR/0016/66/000/010/0090/0094

AUTHOR: Ferdinand, Ya. M.; Lebedeva, Ye. A.; Marisova, A. P.; Romanova, V. P.; Ol'shteyn, S. Ye.; Gabrilovich, A. B.; Kochar'yan, O. N.; Soboleva, S. V.; Kalinina, K. I.; Murakhovskaya, V. A.; Khanum'yan, T. A.; Rachkovskaya, Yu. K.; Solyanok, L. D.; Mstibovskiy, S. A.; Kovaleva, N. S.; Plyuro, B. A.; Sycheva, N. S.; Rudakova, L. P.; Tupitsyna, L. N. Kolodiy, O. M.; Redechkina, Z. P.; Kurochkin, V. I.; Vozzhayeva, A. P.; Vetlugina, K. F.; Vorob'yeva, A. P. Vevyur, N. A.; Zhigul'skaya, I. F.; Smirnova, M. A.; Tikhonova, N. N.; Kurdova, N. G.; Yevsyukova, N. V.; Azova, S. M.; Babicheva, L. M.; Popova, A. G.; Tokarev, G. N.; Rastrigin, N. P.; Kuz'mina, A. N.; Goncharenko, O..N.; Borozdenko, T. F.; Rastrigina, G. V.

ORG: Rostov-on-Don Institute of Epidemiology, Microbiology, and Hygiene (Rostovskiy-na-Donu institut epidemiologii, mikrobiologii i gigiyeny); Department of Infectious and Childhood Diseases, Rostov Medical Institute (Kafedra infektsionnykh i detskikh bolezney Rostovskogo meditsinskogo instituta); Municiple Sanitation and Epidemiological Station (Gorodskaya sanitarno-epidemiologicheskaya stantsiya); Hospital No. 1 (Bol'nitsa No. 1.); Infectious Disease Clinic, Saratov Medical Institute (Klinika infektsionnykh bolezney Saratovskogo meditsinskogo instituta); Department of Microbiology and Infectious Diseases, Astrakhan Medical Institute (Kafedra mikrobiologii i infektsionnykh bolezney Astrakhanskogo meditsinskogo instituta);

Card 1/3 UDC:616.927+616.927.71-008.97

ACC NR AP6034523

Municipal Sanitation and Epidemiological Station (Gorodskaya sanitarno-epidemiologicheskaya stantsiya); Hospital im. Bekhterev (Bol'nitsa); Volgograd Division, Rostov-on-Don Institute of Epidemiology, Microbiology, and Hygiene (Volgogradskiy filial Rostovskogo-na-Donu instituta epidemiologii, mikrobiologii i gigiyeny); Municipal Epidemiological Station (Gorodskaya epidemiologicheskoya stantsiya); Hospital No. 10 (Bol'nitsa No. 10)

TITLE: Typhoid and paratyphoid carriers

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 10, 1966, 90-94

TOPIC TAGS: human ailment, infective disease, typhoid, paratyphoid carrier state, disease incidence

ABSTRACT: Chronic typhoid or paratyphoid carrier state is accompanied by low bacterial and phagocytic indices in the blood. These indices are higher if protective substances and greater antibody titers are present. Depressed antibody formation

Card 2/3

ACC NR: AP6034523 SOURCE CODE: UR/0016/66/000/010/0090/0091

AUTHOR: Ferdinand, Ya. M.; Lebedeva, Ye. A.; Marisova, A. P.; Romanova, V. P.; Ol'shteyn, S. Ye.; Gabrilovich, A. B.; Kochar'yan, O. N.; Soboleva, S. V.; Kalinina, K. I.; Murakhovskaya, V. A.; Khanum'yan, T. A.; Rachkovskaya, Yu. K.; Solyanok. L. D.; Matibovskiy, S. A.; Kovaleva, N. S.; Plyuro, B. A.; Sycheva, N. S.; Rudakova, L. P.; Tupitsyna, L. N. Kolodiy, O. M.; Redechkina, Z. P.; Kurochkin, V. I.; Vozzhayeva, A. P.; Vetlugina, K. F.; Vorob'yeva, A. P. Vevyur, N. A.; Zhigul'skaya, I. F.; Smirnova, M. A.; Tikhonova, N. N.; Kurdova, N. G.; Yevsyukova, N. V.; Azova, S. M.; Babicheva, L. M.; Popova, A. G.; Tokarev, G. N.; Rastrigin, N. P.; Kuz'mina, A. N.; Goncharenko, O..N.; Borozdenko, T. F.; Rastrigina, G. V.

ORG: Rostov-on-Don Institute of Epidemiology, Microbiology, and Hygiene (Rostovskiy-na-Donu institut epidemiologii, mikrobiologii i gigiyeny); Department of Infectious and Childhood Diseases, Rostov Medical Institute (Kafedra infektsionnykh i detskikh bolezney Rostovskogo meditsinskogo instituta); Municiple Sanitation and Epidemiological Station (Gorodskaya sanitarno-epidemiologicheskaya stantsiya); Hospital No. 1 (Bol'nitsa No. 1.); Infectious Disease Clinic, Saratov Medical Institute (Klinika infektsionnykh bolezney Saratovskogo meditsinskogo instituta); Department of Microbiology and Infectious Diseases, Astrakhan Medical Institute (Kafedra mikrobiologii i infektsionnykh bolezney Astrakhanskogo meditsinskogo instituta);

Card 3/3

UDC:616.927+616.927.7]-008.97

FERDINAND, Ye.I., inzh. (Novokuybyshev)

[redacted]rocurement and assemblage of plumbing systems in standard housing construction. Stroi.pred.neft.prom. 2 no.7:20-22 Jl '57. (MIRA 10:10)
(Plumbing) (Apartment houses)

FERDINANDOV, E., inzh.

The Analog 1 electronic modeling machine. Mashinostroene 11 no.12:39-42 D '62.

SHINEV, Khristo; FERDINANDOV, Ervin

Theoretical analysis of electromagnetic fields in spiral cage antennas. Godishnik mash elekt 13 no.2:79-86 '63. [publ. '64]

The zeros of the diagram of the spiral cage antenna bearing. Ibid.:87-94

FERDINANDOV, V. V.

"The Search for Methods of Vegetative Hybridization in Animals." (p. 307) by Ferdinandov, V. V. (Varonezh).

SO: Progress of Contemporary Biology (Uspekhi Sovremennoi Biologii) Vol. XXXIV, No. 2 (5), Sept-Oct, 1952.

FERDINANDOV, V.V.

Seeking for vegetative hybridization methods for animals.
Analele biol 7 no.3:29-38 Jl-S '53.

FERDINANDOVA, L.

Production of inflatable rubber playthings. p. 17 LEKA PROMISHLENOST. (Ministerstvo na lekata i khranitelnata promishlenost) Sofiia. Vol. 5, No. 4, 1956

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 5, No. 11, November 1956

FERDINANDY, Kalmi, dr.

Data to the clinical picture of typhoid in childhood during a water-borne epidemic. Orv. hetil. 106 no.39:1834-1836 26 S '65.

1. Bekescsabai Varosi Tanacs V.B., Korhaz, Fertozo Osztaly (foorvos: Borbola, Jozsef, dr.).

FERDMAN, A.A.

Introduction of multiple machining at the Kolomna Heavy Machine-Tool Plant. Mashinostroitel' no.1:27-28 Ja '64. (MIRA 17:2)

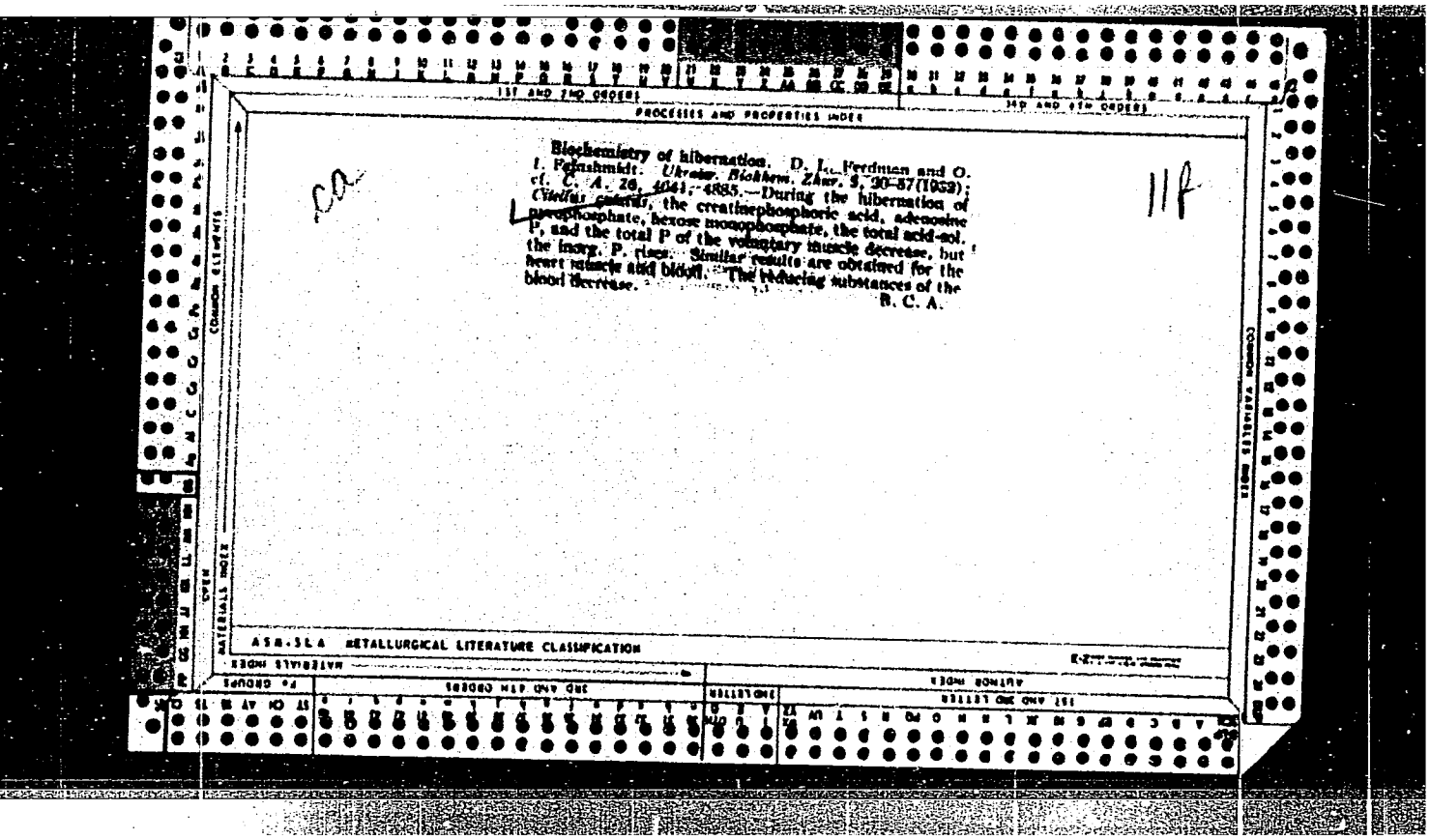
FERDMAN, D.

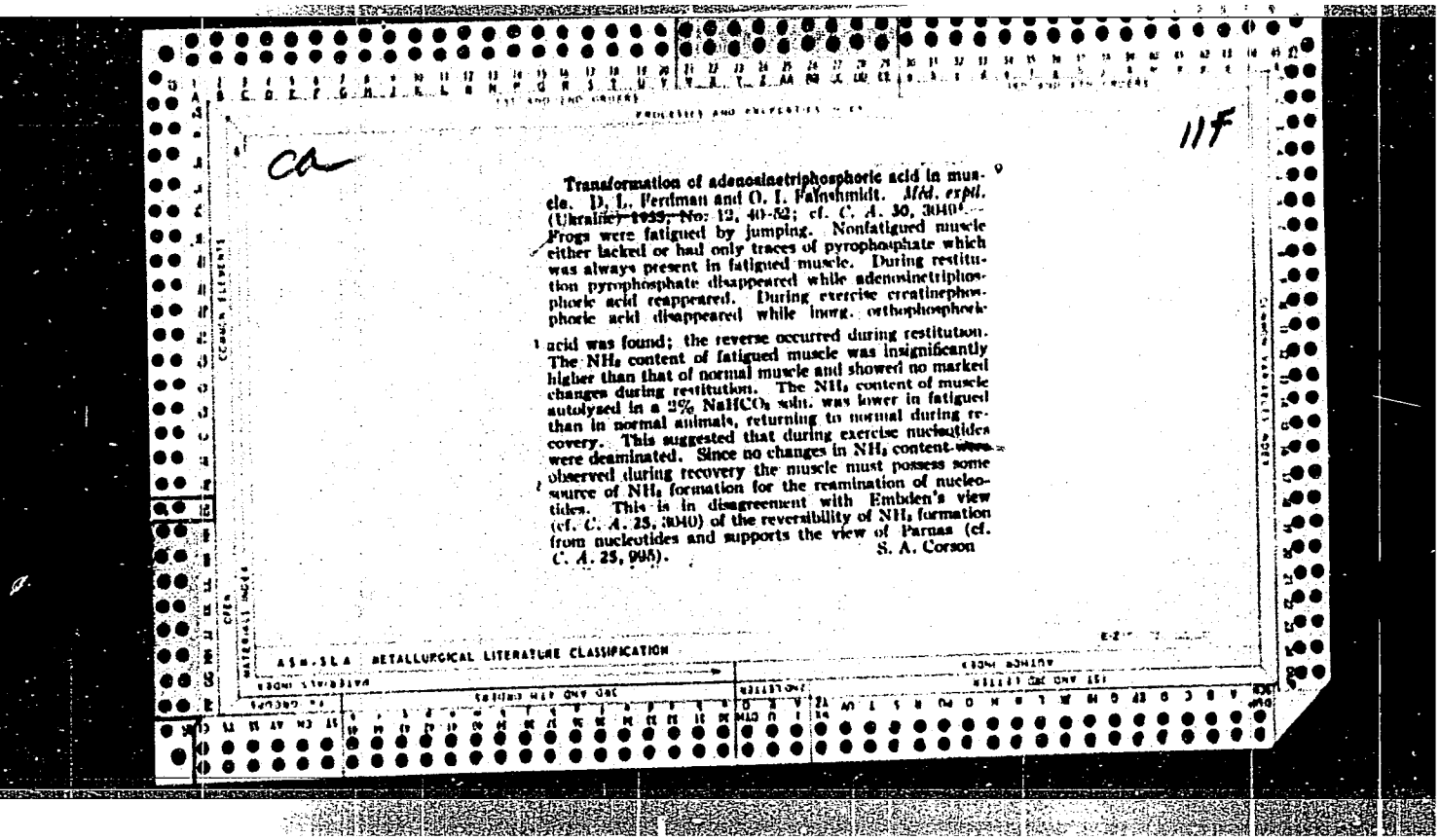
Proteins, their structure and synthesis. Nauka i zhyttia 11 no.3:39-40 Mr '62. (MIRA 15:8)

1. Chlen-korrespondent AN SSSR i AN UkrSSR.
(PROTEINS)

FERDMAN, D.K.; SOPIN, Ye.F.

Intensity of amino acid renewal in tissue proteins during avitaminosis. Nauk. zap. Kyiv. un. 16 no.20:71-76 '57 (MIRA 13:3)
(Amino acid metabolism) (Vitamins)





Ca

11F

Transformation of adenosinetriphosphoric acid in muscle. D. L. Ferdman and O. I. Fainshmidt. *Med. exptl.* (Ukraine) 1939, No: 12, 40-52; cf. *C. A.* 30, 3040[9]. Frogs were fatigued by jumping. Nonfatigued muscle either lacked or had only traces of pyrophosphate which was always present in fatigued muscle. During restitution pyrophosphate disappeared while adenosinetriphosphoric acid reappeared. During exercise creatinephosphoric acid disappeared while inorg. orthophosphoric acid was found; the reverse occurred during restitution. The NH_3 content of fatigued muscle was insignificantly higher than that of normal muscle and showed no marked changes during restitution. The NH_3 content of muscle autolysed in a 2% $NaHCO_3$ soln. was lower in fatigued than in normal animals, returning to normal during recovery. This suggested that during exercise nucleotides were deaminated. Since no changes in NH_3 content were observed during recovery the muscle must possess some source of NH_3 formation for the reamination of nucleotides. This is in disagreement with Embden's view (cf. *C. A.* 25, 3040) of the reversibility of NH_3 formation from nucleotides and supports the view of Parnas (cf. *C. A.* 25, 995).

S. A. Corson

FERDMAN, D.I.

transformation of adenosinetriphosphate in muscles. D.L. FERDMAN,AND O. FEINSCHMIDT. vol.1, no. 2, p. 183, 1936.
(BIOCHEM. LAB. OF THE LABOR RESEACH INST, KARKHOV)

FERDMAN, D. L.

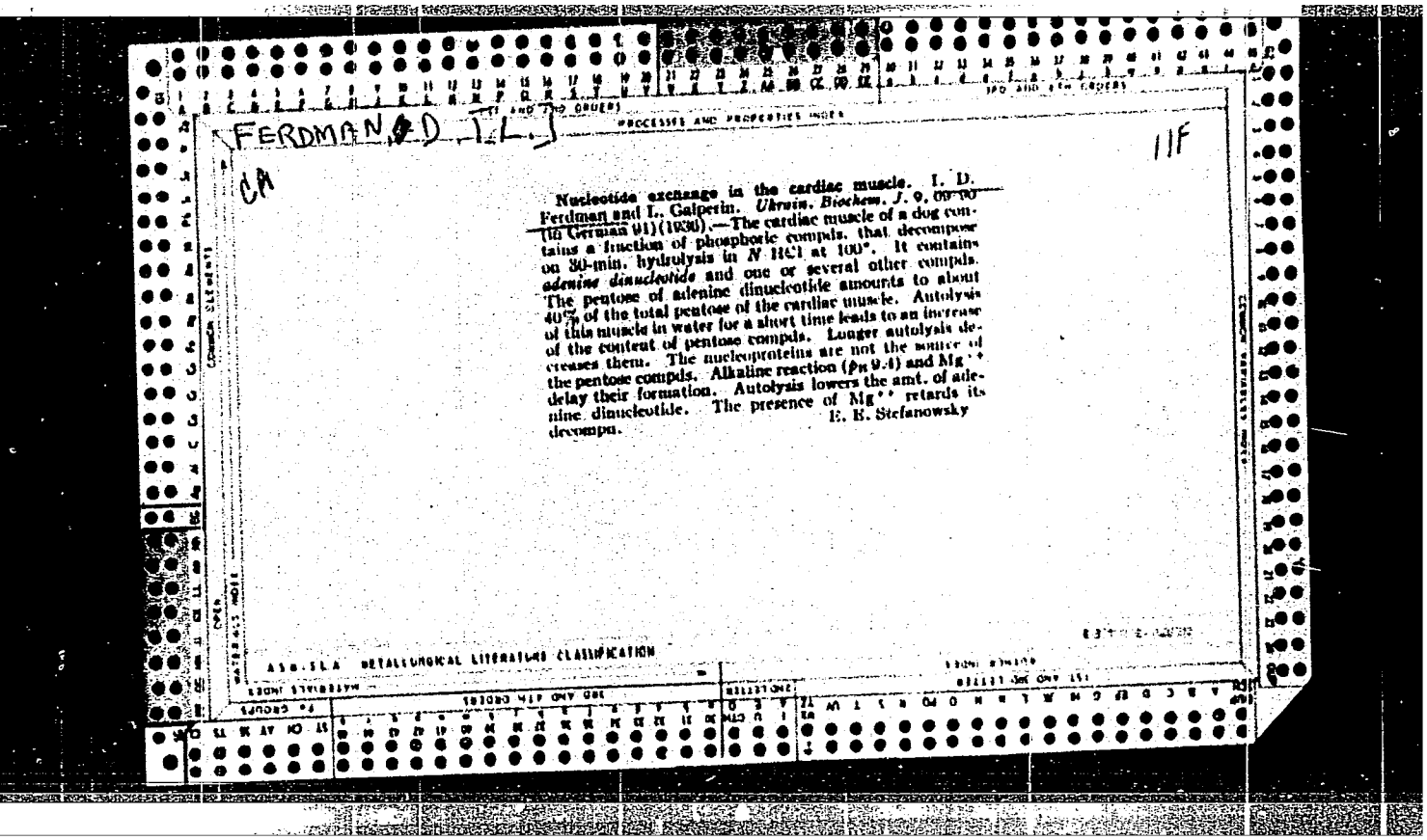
"Data on the Biochemistry of winter sleep." (p. 431) by Ferdman, D. L.

SO: Advances in Contemporary Biology (USPEKHI SOVREMENNOI BIOLOGII) Vol. V, No. 3 1936

FERDMAN, D.

"Modern ways for the study of the biochemistry of the muscular action", (p. 759) by Ferdman, D.

SO: Advances in Contemporary Biology (USPEKHI SOVREMENNOI BIOLOGII) Vol. 5, No. 5 1936



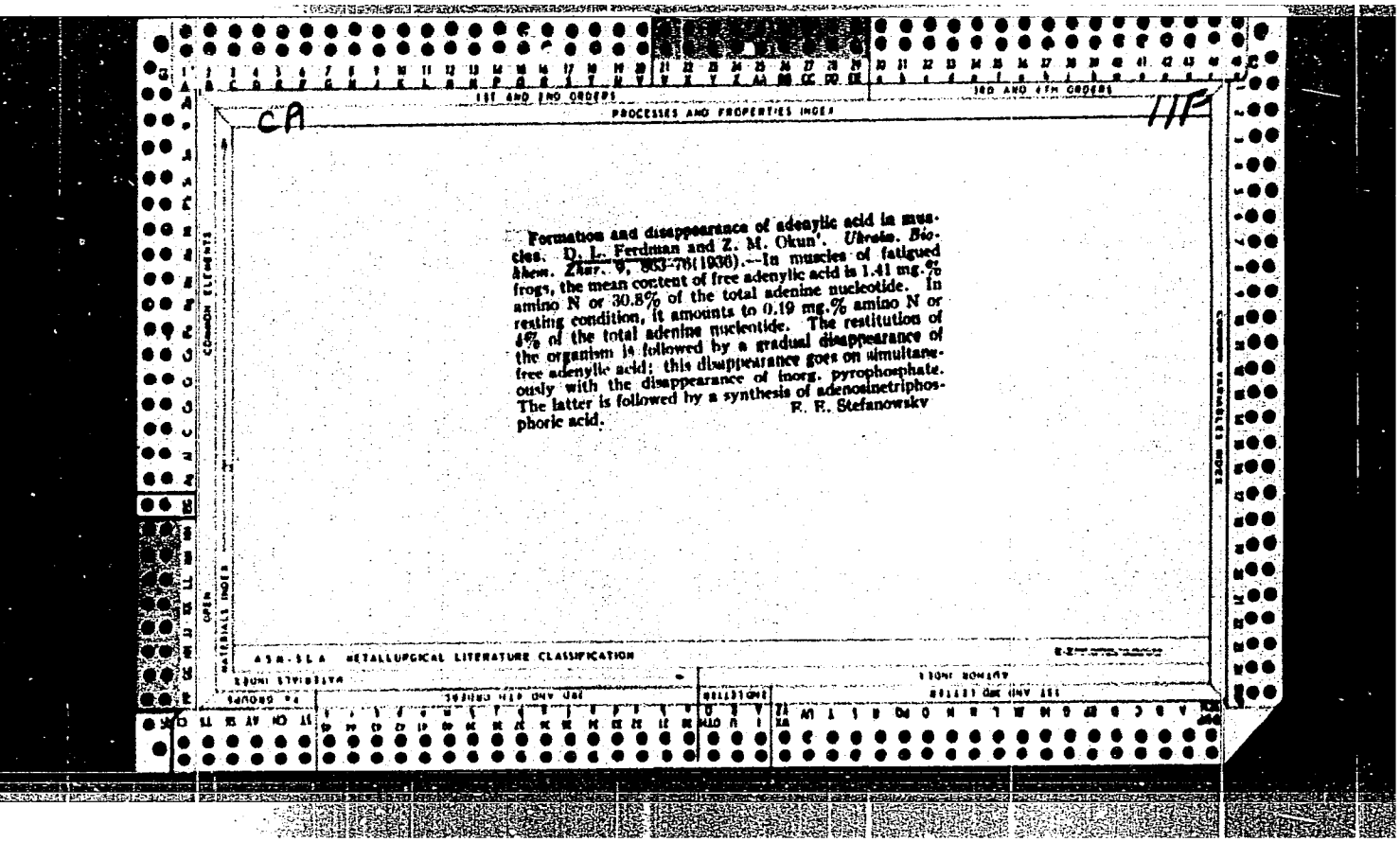
FERDMAN, D. L.

CA

11F

Nucleotide exchange in the cardiac muscle. I. D. Ferdman and L. Galperin. *Ukrain. Biochem. J.* 9, 69–80 (in German 91)(1936).—The cardiac muscle of a dog contains a fraction of phosphoric compds. that decompose on 30-min. hydrolysis in *N* HCl at 100°. It contains *adenine dinucleotide* and one or several other compds. The pentose of adenine dinucleotide amounts to about 40% of the total pentose of the cardiac muscle. Autolysis of this muscle in water for a short time leads to an increase of the content of pentose compds. Longer autolysis decreases them. The nucleoproteins are not the source of the pentose compds. Alkaline reaction (p_H 9.4) and Mg^{++} delay their formation. Autolysis lowers the amt. of adenine dinucleotide. The presence of Mg^{++} retards its decompn.

E. E. Stefanowsky



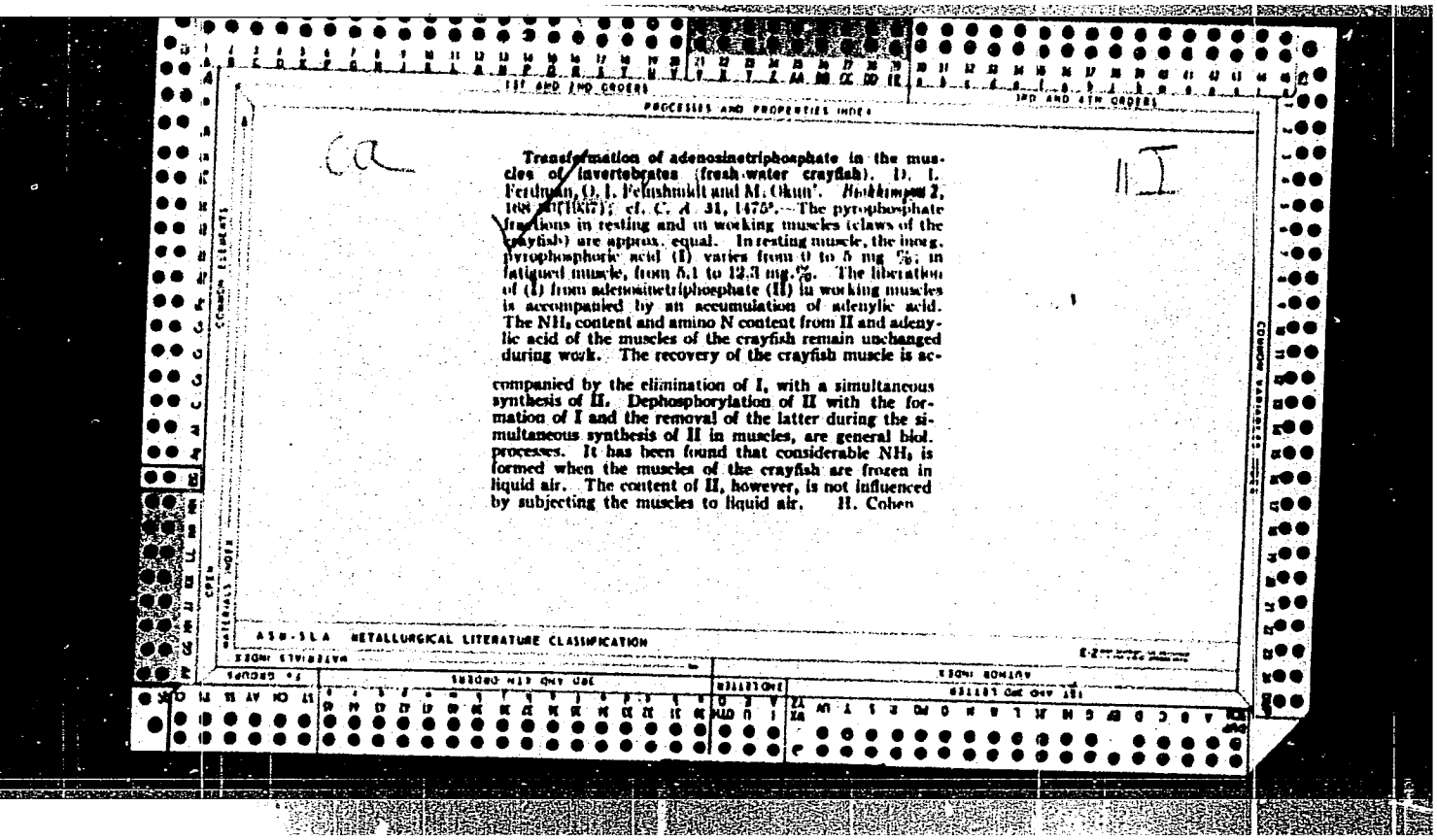
CA

PROCESSES AND PROPERTIES INDEX

IIF

Formation and disappearance of adenylic acid in muscles. D. L. Ferdman and Z. M. Okun'. *Ukrain. Biokhem. Zhur.* 9, 853-76(1936).—In muscles of fatigued frogs, the mean content of free adenylic acid is 1.41 mg.% amino N or 30.8% of the total adenine nucleotide. In resting condition, it amounts to 0.19 mg.% amino N or 4% of the total adenine nucleotide. The restitution of the organism is followed by a gradual disappearance of free adenylic acid; this disappearance goes on simultaneously with the disappearance of inorg. pyrophosphate. The latter is followed by a synthesis of adenosinetriphosphoric acid.

F. R. Stefanowsky



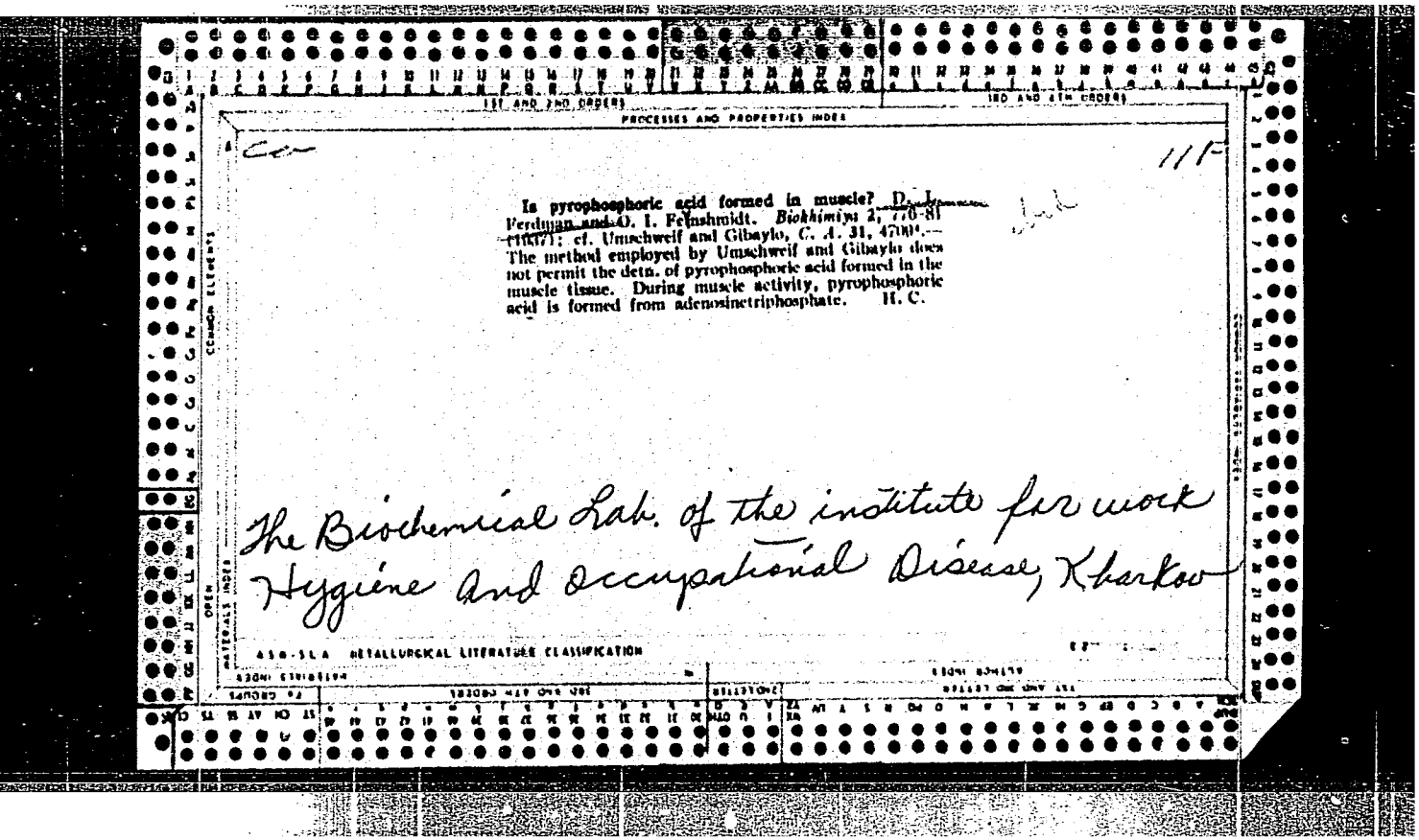
PROCESSES AND PROPERTIES INDEX

CA

11 I

Transformation of adenosinetriphosphate in the muscles of invertebrates (fresh-water crayfish). D. I. Ferdman, O. I. Felushmulit and M. Okun'. *Biokhimiya* 2, 168-80(1937); cf. *C. A.* 31, 1475⁹.—The pyrophosphate fractions in resting and in working muscles (claws of the crayfish) are approx. equal. In resting muscle, the inorg. pyrophosphoric acid (I) varies from 0 to 5 mg. %; in fatigued muscle, from 5.1 to 12.3 mg. %. The liberation of (I) from adenosinetriphosphate (II) in working muscles is accompanied by an accumulation of adenylic acid. The NH_3 content and amino N content from II and adenylic acid of the muscles of the crayfish remain unchanged during work. The recovery of the crayfish muscle is accompanied by the elimination of I, with a simultaneous synthesis of II. Dephosphorylation of II with the formation of I and the removal of the latter during the simultaneous synthesis of II in muscles, are general biol. processes. It has been found that considerable NH_3 is formed when the muscles of the crayfish are frozen in liquid air. The content of II, however, is not influenced by subjecting the muscles to liquid air. H. Cohen

A58-SLA METALLURGICAL LITERATURE CLASSIFICATION



PROCESSES AND PROPERTIES INDEX

Is pyrophosphoric acid formed in muscle? D. J. Perdijan and O. I. Feinshmidt. *Biokhimiya* 2, 770-81 (1937); cf. Umschweif and Gibaylo, *C. A.* 31, 4700[9]. The method employed by Umschweif and Gibaylo does not permit the detn. of pyrophosphoric acid formed in the muscle tissue. During muscle activity, pyrophosphoric acid is formed from adenosinetriphosphate. H. C.

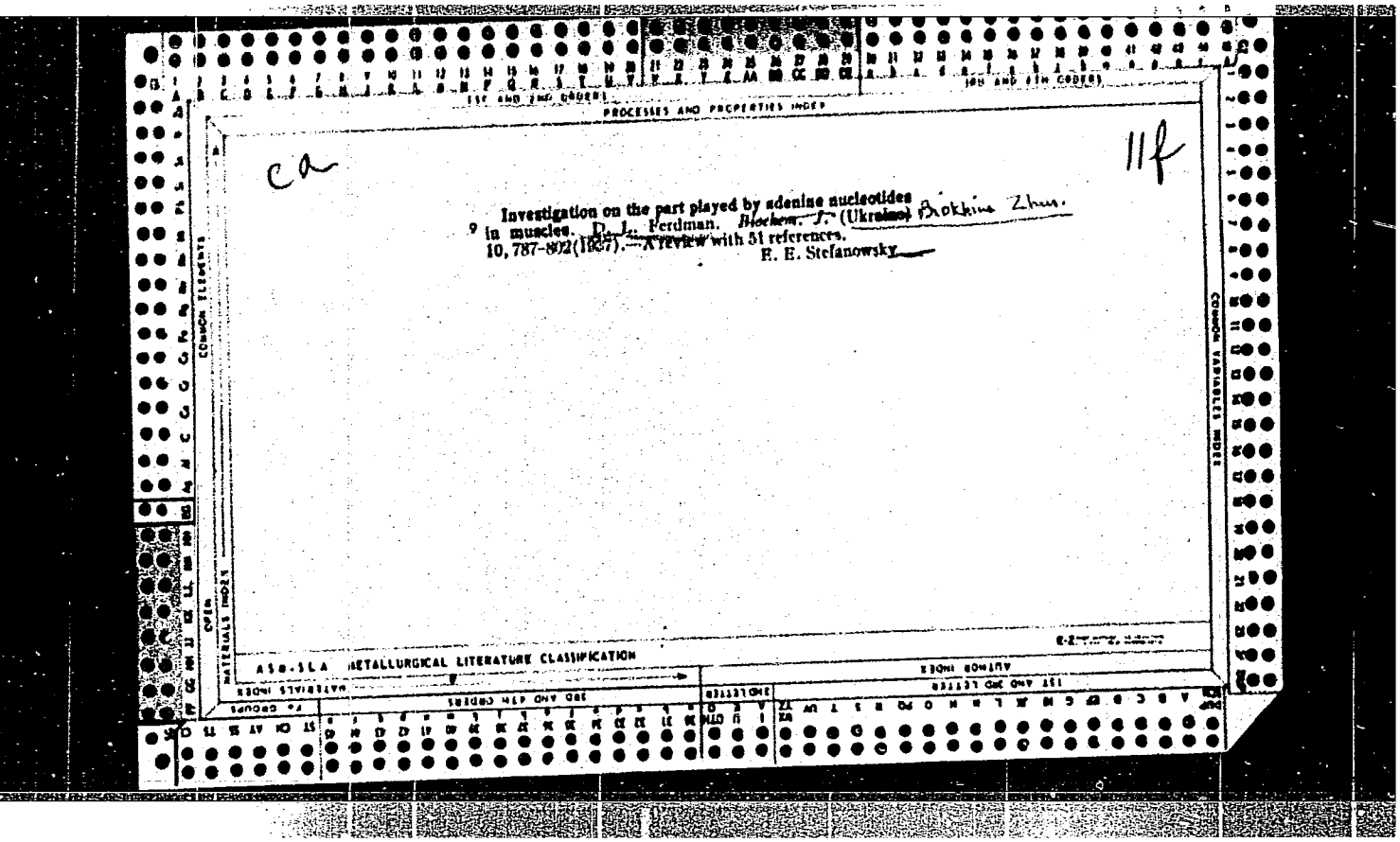
The Biochemical Lab. of the institute for work Hygiene and Occupational Diseases, Kharkov

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

FERDMAN, D. M.

"Decennial results of investigations of the role of ademin nucleotids in the chemistry of muscular activity." (p. 243) by Ferdman, D. M.,

SO: Advances in Contemporary Biology (Uspekki Sovremennoi Biologii) Vol. VII, No. 2, 1937.



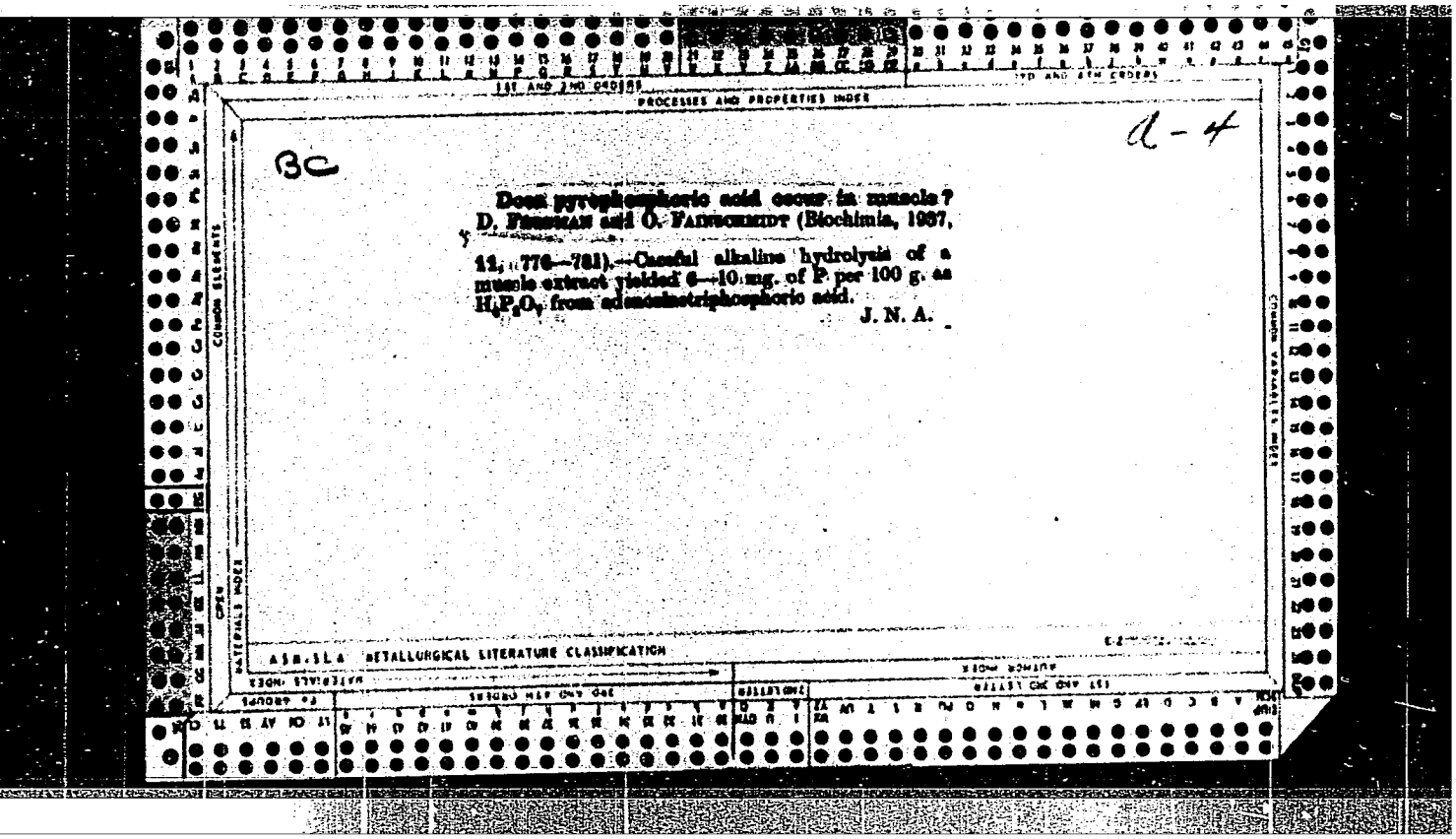
PROCESSES AND PROPERTIES INDEX

CA

11f

Investigation on the part played by adenine nucleotides in muscles. D. L. Ferdman. *Biokhim. Zh. (Ukraina)* Biokhim Zhur. 10, 787-802(1937).—A review with 51 references.
E. E. Stefanowsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



PROCESSES AND PROPERTIES INDEX

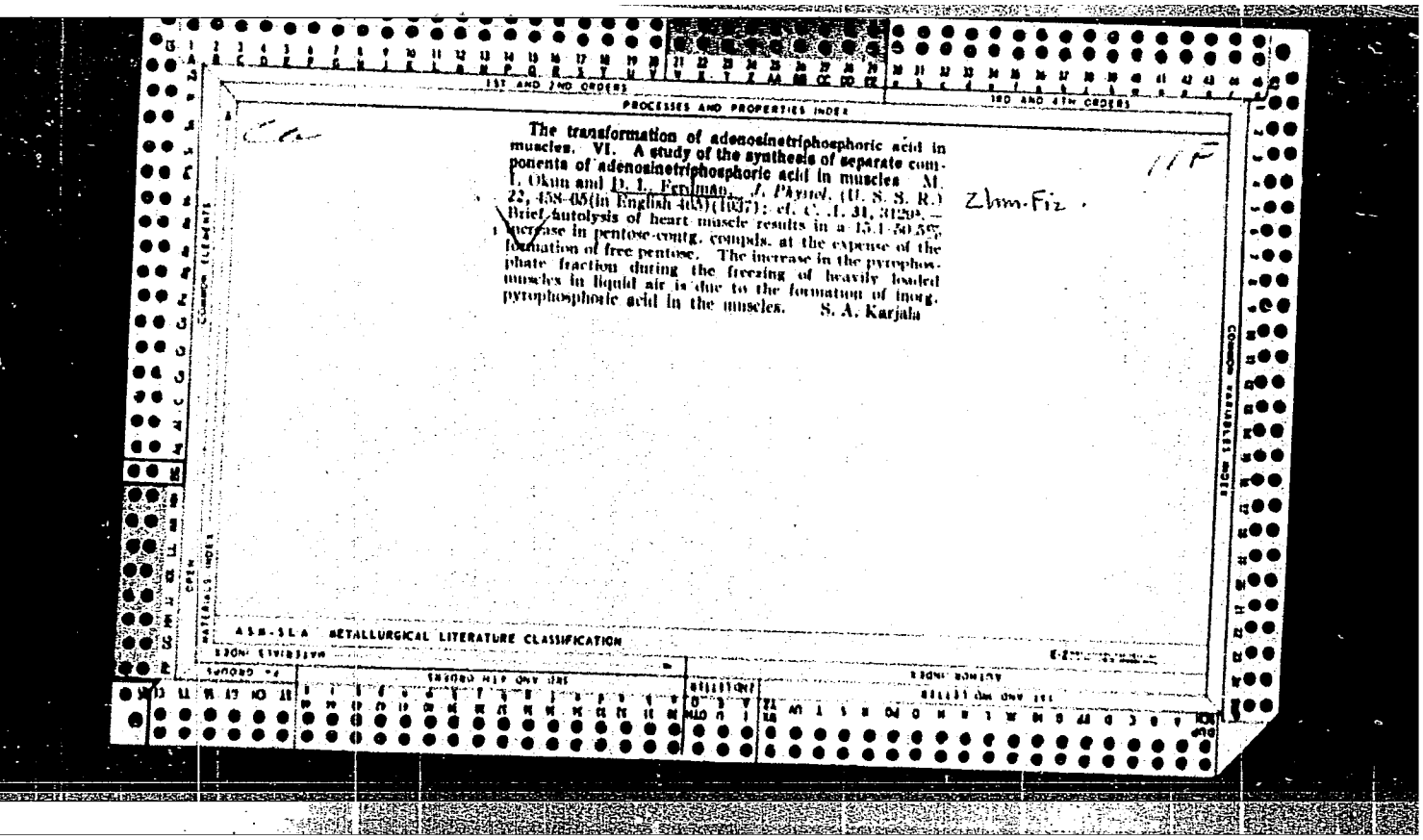
a-4

BC

Does pyrophosphoric acid occur in muscle? D. Friedman and O. Fahrenheidt (Biochimia, 1937, 11, 776—781).—Careful alkaline hydrolysis of a muscle extract yielded 6—10 mg. of P per 100 g. as $H_4P_2O_7$ from adenosinetriphosphoric acid.

J. N. A.

A38-51A METALLURGICAL LITERATURE CLASSIFICATION



PROCESSES AND PROPERTIES INDEX

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

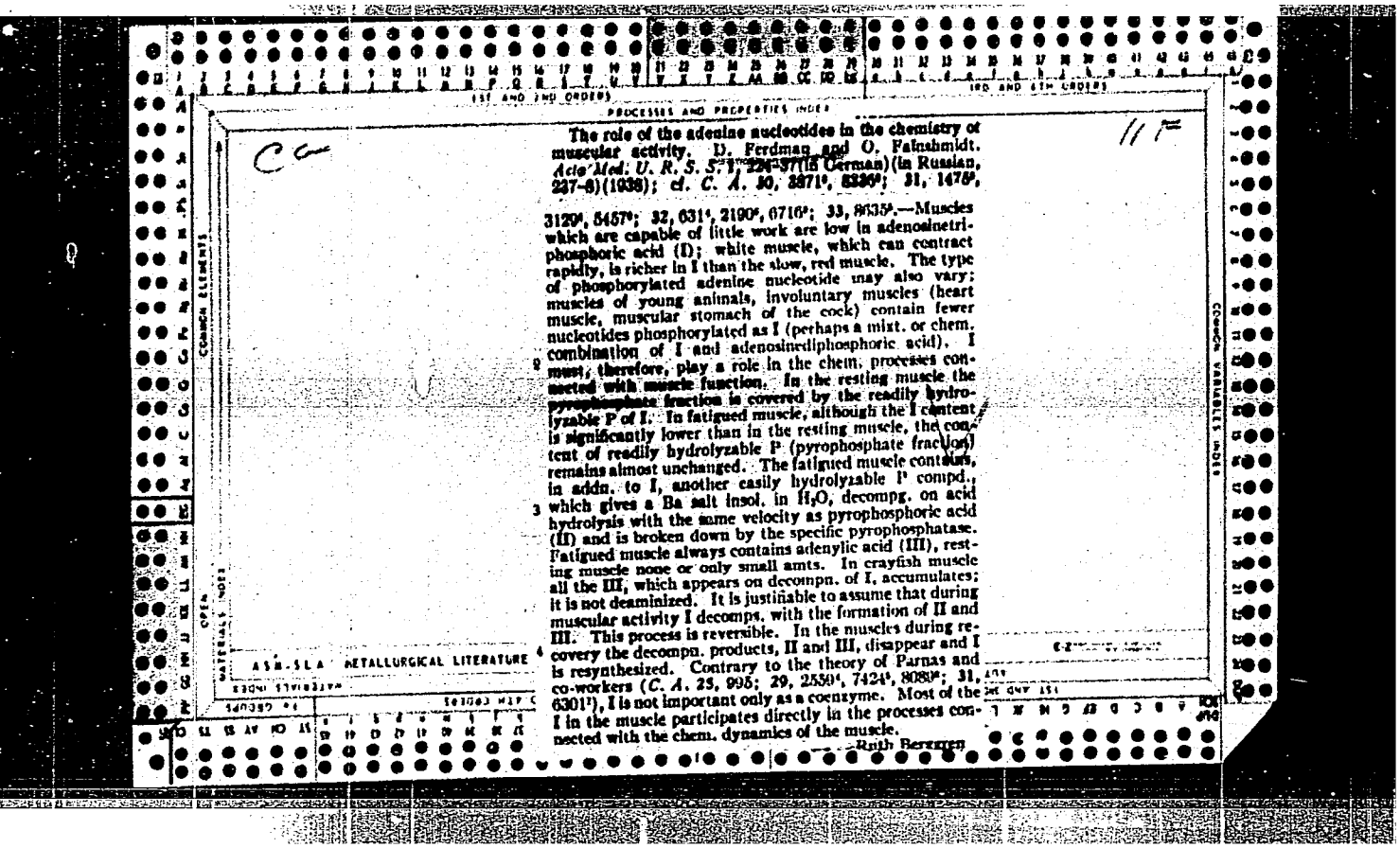
Cu

The transformation of adenosinetriphosphoric acid in muscles. VI. A study of the synthesis of separate components of adenosinetriphosphoric acid in muscles M. I. Okun and D. L. Ferdman. *J. Physiol. (U. S. S. R.)* 22, 458-65(in English 465)(1937); cf. *C. A.* 31, 3129.—Brief autolysis of heart muscle results in a 15.1-50.5% increase in pentose-contg. compds. at the expense of the formation of free pentose. The increase in the pyrophosphate fraction during the freezing of heavily loaded muscles in liquid air is due to the formation of inorg. pyrophosphoric acid in the muscles. S. A. Karjala

11F

Zhm-Fiz.

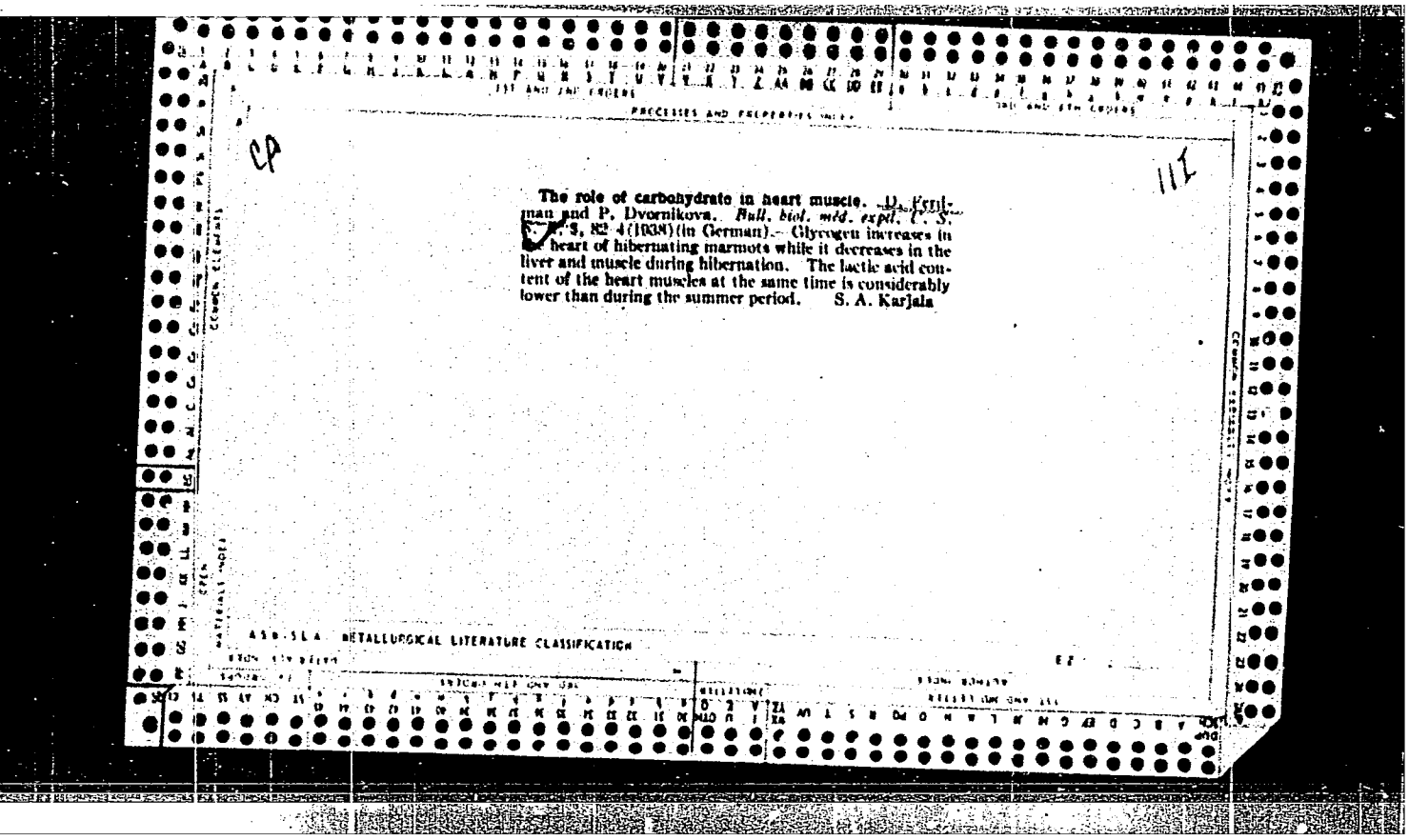
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



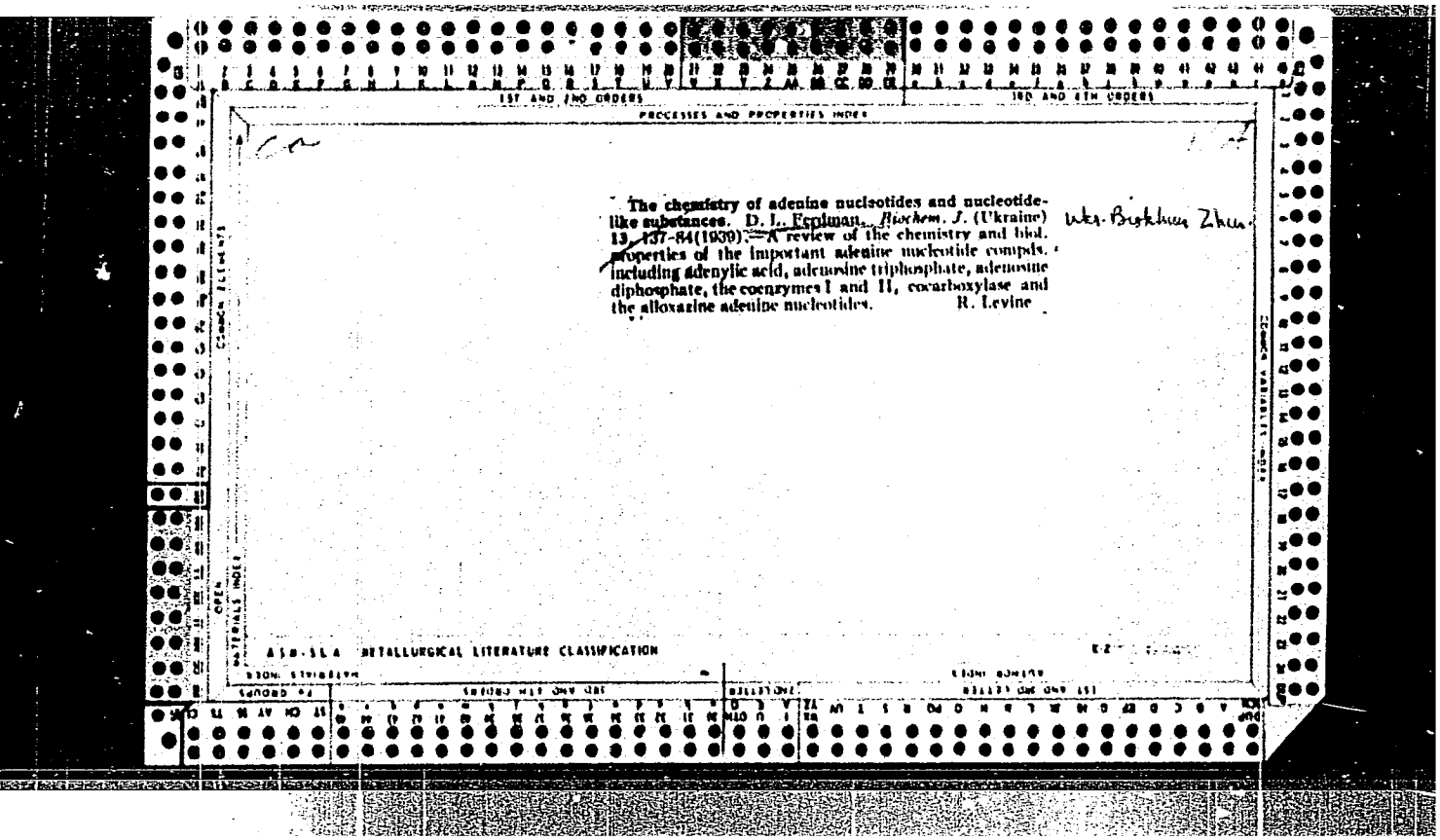
PROCESSES AND PROPERTIES INDEX

The role of the adenine nucleotides in the chemistry of muscular activity. D. Ferdman and O. Fainshmidt. *Acta Med. U. R. S. S.* 1, 224-37 (in German) (in Russian, 237-8) (1938); *cf. C. A.* 30, 3271[8], 8336[9]; 31, 1478[9], 3129[9], 5457[9]; 32, 631[4], 2190[6], 6716[9]; 33, 8635[8].—Muscles which are capable of little work are low in adenosinetriphosphoric acid (I); white muscle, which can contract rapidly, is richer in I than the slow, red muscle. The type of phosphorylated adenine nucleotide may also vary; muscles of young animals, involuntary muscles (heart muscle, muscular stomach of the cock) contain fewer nucleotides phosphorylated as I (perhaps a mixt. or chem. combination of I and adenosinediphosphoric acid). I must, therefore, play a role in the chem. processes connected with muscle function. In the resting muscle the pyrophosphate fraction is covered by the readily hydrolyzable P of I. In fatigued muscle, although the I content is significantly lower than in the resting muscle, the content of readily hydrolyzable P (pyrophosphate fraction) remains almost unchanged. The fatigued muscle contains, in addn. to I, another easily hydrolyzable P compd., which gives a Ba salt insol. in H_2O, decompg. on acid hydrolysis with the same velocity as pyrophosphoric acid (II) and is broken down by the specific pyrophosphatase. Fatigued muscle always contains adenylic acid (III), resting muscle none or only small amts. In crayfish muscle all the III, which appears on decompn. of I, accumulates; it is not deaminized. It is justifiable to assume that during muscular activity I decomps. with the formation of II and III. This process is reversible. In the muscles during recovery the decompn. products, II and III, disappear and I is resynthesized. Contrary to the theory of Parnas and co-workers (*C. A.* 23, 995; 29, 2550[4], 7424[5], 8088[9]; 31, 6301[2]), I is not important only as a coenzyme. Most of the I in the muscle participates directly in the processes connected with the chem. dynamics of the muscle.

—Ruth Berggren



The role of carbohydrate in heart muscle. D. Ferlman and P. Dvornikova. *Bull. biol. méd. expl. U. S. S. R.*, 82-4 (1938) (in German).—Glycogen increases in the heart of hibernating marmots while it decreases in the liver and muscle during hibernation. The lactic acid content of the heart muscles at the same time is considerably lower than during the summer period. S. A. Karjala



The chemistry of adenine nucleotides and nucleotide-like substances. D. L. Ferliman. *Biochem. J.* (Ukraine) 13, 137-84(1939).—A review of the chemistry and biol. properties of the important adenine nucleotide compds., including adenylic acid, adenosine triphosphate, adenosine diphosphate, the coenzymes I and II, cocarboxylase and the alloxazine adenine nucleotides. R. Levine