

Production of arsenic-77....

S/081/62/000/006/015/117
B166/B101

As⁷⁷ produced is characterized by a γ -spectrum, a curve of radiation absorption in Al, and a decay curve. [Abstracter's note: Complete translation.]

✓

Card 2/2

S/186/61/003/005/013/022
E071/E185

AUTHORS: Levin, V.I., Golutvina, M.M., and Tikhomirova, Ye.A.

TITLE: The preparation of arsenic-74 from neutron-irradiated selenium

PERIODICAL: Radiokhimiya, v.3, no.5, 1961, 597-600

TEXT: In order to find a simple and cheap method of production of arsenic 74 (used in medicine and other fields) the authors investigated the possibility of using for this purpose the threshold reaction $Se^{74}(n,p)As^{74}$ carried out in a nuclear reactor. One selenium specimen was irradiated in a usual channel placed in the moderator for 65 days in a stream of 4×10^{13} neutrons/cm².sec, and the second for 470 hours inside the fuel element in a stream of 7×10^{13} neutrons/cm².sec. In order to decrease the formation of Se^{75} the second specimen was surrounded by a cadmium filter. The irradiated selenium (in the form of fine powder) was dissolved in concentrated HNO_3 , stable arsenic added and the salts transformed into a solution in hydrochloric acid from which selenium was precipitated with sulphurous acid.

Card 1/ 3

The preparation of arsenic-74 ...

S/186/61/003/005/013/022
E071/E185

After the separation of selenium, $MgNH_4AsO_4$ was precipitated and redissolved in hydrochloric acid. Selenium - carrier was added and precipitated with sulphurous acid. The above operation was repeated 2 - 3 times. Finally arsenic was obtained as $Mg_2As_2O_7$ (yield about 60%), its activity was measured and its radiation investigated. An investigation of the γ spectrum indicated the presence of an admixture with an energy of about 0.14 MeV and half life time of 90-100 days. This was found to be due to an admixture of tellurium 123. The data obtained indicated that on irradiation of selenium in a stream of neutrons (7×10^{13} neutrons/cm².sec) arsenic 74 can be obtained with an activity of up to 200 microcurie per g of selenium. On irradiation of selenium for 470 hours in a neutron stream of about 7×10^{13} neutrons/cm².sec the actual yield was determined as about 0.12 mcurie per g of selenium. The radioactive purity of the product depends on the purity of selenium irradiated and the accuracy of purification from selenium-75. The other arsenic isotopes which can be simultaneously produced are As⁷⁶

Card 2/ 3

Card 3/3

GOLUTVINA, M. M.

PHASE I BOOK EXPLOITATION

SOV/6333

Bochkarev, V. V., ed.

Tekhnika izmereniye radioaktivnykh preparatov; sbornik statey (Techniques for the Measurement of Radioactive Preparations; Collection of Articles) Moscow, Gosatomizdat, 1962. 4600 copies printed.

Eds.: A. M. Smirnova and M. A. Smirnov; Tech. Ed.: S. M. Popova.

PURPOSE: This book is intended for specialists in nuclear instrumentation.

COVERAGE: The book is a collection of articles on recent developments in 1) measurement of the activity and 2) analysis of the composition of emissions of radioactive preparations. The methodology and apparatus used in these studies are described in detail. References are given at the end of each article.

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Card 1/3 /

Techniques for the Measurement (Cont.)

SOV/6333

- Pigoreva, N. S., Ye. G. Solodovnikova, and V. V. Fokin. Preparation of Samples for Measurement of the Activity of Certain Compounds Labeled With C^{14} and H^3 Isotopes 67
- Golutvina, M. M., and M. A. L'vova. Preparation of Specimens for Measurement of the Activity From β -Emission 72
- Levochkin, F. K. Measurement of the Activity of Thick β -Sources 83
- Kononenko, A. M., V. A. Petrov, and V. Ye. Yakhontova. Dose Distribution Along the Axis of a β -Emitting Plane Disk 100
- Bazhenov, V. A., V. V. Bochkarev, and T. N. Sokolova. Measurement of the Activity of Gaseous Preparations by Means of a Gas-Filled Counter 115
- Turkin, A. D. Radiometry of β -Emitting Gases by Means of End-Window Counters 124

Card 3/5

GOLUTVINA, M.M.; KAZAKOVA, T.A.; NIKOLAYEV, Yu.M.; MARKELOVA, N.V.

New rapid method for determining the content of Sr⁹⁰ in the
bones. Med.rad. no.1:62-67 '62. (MIRA 15:1)

(BONES) (STRONTIUM--ISOTOPES)

S/847/62/000/000/002/003
B144/B186

AUTHORS: Nazin, A. G., Levin, V. I., ~~Golutvina, M. M.~~

TITLE: Production of radiochemically pure yttrium⁹⁰ without a carrier

PERIODICAL: Metody polucheniya radioaktivnykh preparatov; sbornik statey
(Methods of producing radioactive preparations; collection
of articles). Moscow, Gosatomizdat, 1962. 170 p. illus.,
biblio 118 - 123

TEXT: Organic solvents were used to extract Y⁹⁰ from Sr⁹⁰. Out of ~10
organic solvents, tributyl phosphate (I) was the only one which gave
satisfactory distribution coefficients when extractions were made from
HCl and HNO₃ solutions as well as from strontium nitrate and strontium
chloride solutions; using 11 - 12 N HNO₃, ~14 was obtained for Y, and
0.003 for Sr; using 11 - 12 N HCl, a coefficient of 6.5 was found for Y
and 0.01 for Sr. After this type of extraction the Sr⁹⁰ impurity still
amounts to 0.3%. Since for medical purposes the Sr⁹⁰ impurity must not
exceed 10⁻⁴%, the preparation must be purified by washing it twice with
12 N HNO₃, whereby the Sr⁹⁰ impurity is reduced to 3.10⁻⁶%, but the yield
Card 1/2³ ✓

Production of radiochemically pure...

S/847/62/000/000/002/003
B144/B186

in Y^{90} is decreased from 93 to 80%. A continuous extraction method involving 3 mixer-settlers proved to be more suitable. Y was extracted in the first vessel and the extract was washed in the following two. Y is transformed into the aqueous phase in a reextractor. The vessels 1-3 were each filled with 250 ml 12 N HNO_3 , and in addition 2 ml of a Sr^{90} solution with 39 mcu were added to the content of the first vessel. After mixing, 500 ml of I were introduced into vessel 1 at a rate of 4-5 ml/min; compound I was given a preliminary washing with a 2% soda solution, H_2O , and then saturated with 12 N HNO_3 . As soon as I, after having passed vessel 1-3, had reached vessel 4, the extract was treated with 3 portions of 200 ml H_2O at 50-60°C successively, and the reextract was washed with CCl_4 to remove the residues of I. The Y^{90} content in the three portions was 89.5, 74, and 0.5%, respectively; the total yield was ~97%. The paper-chromatographic investigation gave a Y purity of 99.999%. There are 3 figures.

Card 2/2

37

Golutvina, M. M.

PHASE I BOOK EXPLOITATION

SOV/6333

Bochkarev, V. V., ed.

Tekhnika izmereniye radioaktivnykh preparatov; sbornik statey (Techniques for the Measurement of Radioactive Preparations; Collection of Articles) Moscow, Gosatomizdat, 1962. 4600 copies printed.

Eds.: A. M. Smirnova and M. A. Smirnov; Tech. Ed.: S. M. Popova.

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Card 3/5 ^{2/2}	

GOLUTVINA, M.M.; KAZAKOVA, T.A.; NIKOLAYEV, Yu.M. (Moskva)

Rapid method of determining the strontium-90 content in milk.
Vop.pit. 22 no.1:66-69 Ja-F'63 (MIRA 16:11)

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"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920015-3

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920015-3"

L 3198-66

s/0241/65/010/003/0078/0080

ACCESSION NR: AP5009204

AUTHOR: Golutvina, M. M.; Nikolayev, Yu. M.; Kuznetsova, G. A.; Kazakova, T. A. 12
03

TITLE: Method of determining cesium 137 in bone tissue

SOURCE: Meditsinskaya radiologiya, v. 10, no. 3, 1965, 78-80

TOPIC TAGS: man, bone, cesium 137, radioactive isotope, chemical method

ABSTRACT: An improved, less time consuming, and simpler method of determining cesium 137 in bone tissues in the form of a hexachlortellurite precipitate is described. After removal of marrow and muscles, the bone (300-500 g) is placed into a quartz cup and heated in a dryer until all the fat has melted. The fat is poured off and the bone is placed into an oven and calcinated at 400-450°. To speed up the process during calcination the bone is treated several times with concentrated HNO₃. Then the bone ash (60-80 g) is ground, placed in a heat resistant tumbler, and a cesium carrier is added (100-150 mg). After dilution with concentra-

Card 1/2

REF SOV: 000

SC
Card 2/2

L 01282-67 EWT(m)/EWP(t)/EET IJP(c) JD/JG/QD
ACC NR: AT6031237 SOURCE CODE: UR/0000/65/000/000/0001/0010

AUTHOR: Golutvina, M. M.; Yartsev, Ye. I.; Kazakova, T. A.

57
B41

ORG: none

TITLE: On the content of ²¹cesium-137 in the bone tissue of man

SOURCE: USSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii. Doklady, 1965. K voprosu o sodержanii tseziya-137 v kostnoy tkani cheloveka, 1-10

TOPIC TAGS: cesium, cesium 137, strontium, tissue cesium 137 content, cesium 137 determination

ABSTRACT: A reliable and time-saving method developed by the authors for determining the amount of cesium-137 in the bone tissue of deceased persons is described. This method was used to determine the amount of cesium-137 in the hip bone tissue of 99 residents of Moscow who died in 1961, 1963, and 1964. The amount of cesium-137 in adults who had died in 1963 was 0.12 pcurie/g ash; in children the amount was 2-4 times greater. The ratio of strontium-90 to cesium-137 in the bones of adults for this period was (3-4):1; in stillborn children and in

Card 1/2

~~GOLDY VINA, F. K.~~

~~BEYEV, DIMITRY ALEXANDROVICH~~

H/5
743.332
.85

MEKHANIZATSIY Z RABOT PRI RIMONTE PASSAZHIRSKIMH VAGONH V MEKHANIZATSIY
OF WORK IN THE REPAIR OF PASSENGER CARS, BY 7 D. A. BEYEV, T. E. GOLST-
VINA IL P. P. SOKOLOV. MOSKVA, TRANSMELDORIZDAT, 1956

172 P. ILLUS., DIAGRS.

AT HEAD OF TITLE: MOSCOW. VSESOYUZNIY NAUCHNO-ISSLEDOVATELSKIY INSTITUT
ZHELEZHNODOROZHNOGO TRANSPORTA

MELENT'YEV, L.P., kandidat tekhnicheskikh nauk; GOLUTVINA, T.K., inzhener.

Effect of the type of railroad car on lateral rail wear. Vest.
TSNII MPS 16 no. 4:46-49 Je '57. (MIRA 10:8)

(Railroads--Rails)

GOLUTVINA, T.K., insh.

Tread wear of car wheels. Vest.TSNII MP8 19 no.4:37-41
'60. (MIRA 13:7)

(Car wheels)

GOLUTVINA, T.K., inzh.

Effect of specific pressure and lubrication on the wear of rail
and wheel flange materials in the course of the contact. Vest.
TSNII MPS 20 no.3:40-42 '61. (MIRA 14:5)
(Railroads—Rails) (Railroads—Car wheels)

GOLUTVINA, T.K., inzh.

Testing of car wheels with various hapes of tires. Vest.TSNII
MPS 21 no.2:3-6 '62. (MIRA 15:4)
(Car wheels—Testing)

GOLUTVINA, Ye.V.

Surgical treatment of congenital clubfoot by Zatsepin's method.
Zdrav.Bel. 8 no.5:38-41 My '62. (MIRA 15:10)

1. Institut travmatologii i ortopedii Ministerstva zdavookhraneniya
BSSR (dir. - prof. R.M.Minina), 3-ya klinicheskaya bol'nitsa g.
Minska (glavnyy vrach A.I.Korkhov).
(FOOT--ABNORMITIES AND DEFORMITIES)

GOLUTVINA, Ye.V.

Emergence of malignant tumors on the place of gunshot wounds.
Zdrav.Bel. 8 no.12:35-36 D '62. (MIRA 16:1)

1. Iz Minskogo nauchno-issledovatel'skogo instituta travmatologii
{ ortopedii (dir. - prof. R.M.Minina) i 3-y klinicheskoy bol'nitsy
Minska (glavnyy vrach A.I.Korkhov).
(GUNSHOT WOUNDS) (CARCINOGENESIS)

Mathematics

DECEASED

see ILC

GOLUZIN, N.I., starshiy prepodavatel'

Efficiency of coal dust control by spraying with water and
wetting substance solutions in Chelyabinsk Basin mines. Izv.vys.
ucheb.zav.; gor.zhur. no.9:83-88 '58. (MIRA 12:6)

1. Sverdlovskiy gornyy institut.
(Chelyabinsk Basin--Mine dusts)
(Wetting agents)

GOLUZIN, N.I., starshiy prepodavatel'

Effect of ventilating current velocity on the dust-concentration
of air in Chelyabinsk Coal Basin longwalls. Izv.vys.ucheb.zav.;
gor.shur. no.10:64-67 '58. (MIRA 12:8)

1. Sverdlovskiy gornyy institut.
(Mine ventilation) (Chelyabinsk Basin--Mine dusts)

GOLUZIN, N.I., starshiy prepodavatel'; YARTSEV, V.A., dotsent

Using weight indices to estimate the dispersion of mine dust
from Chelyabinsk brown coal. Izv. vys. ucheb. zav.; gor. zhur.
5 no.3:61-67 '62. (MIRA 15:7)

1. Sverdlovskiy gornyy institut imeni Vakhrusheva. Rekomendovana
kafedroy rudnichnoy ventilyatsii i tekhniki bezopasnosti
Sverdlovskogo gornogo instituta.
(Chelyabinsk Basin--Mine dusts)

GOLUZIN, N.I., starshiy prepodavatel'

Change in the concentration of dust particles in relation to the speed of an air jet along a longwall. Izv. vys. uch. zav.; gor. zhur. 5 no.6:43-47 '62. (MIRA 15:9)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.
Rekomendovana kafedroy rudnichnoy ventilyatsii i tekhniki bezopasnosti.

(Chelyabinsk Basin--Mine dusts)

GOLJZIN, S.I.

Induction emergency switch for conveyor scrapers. Sbor.
nauch.rab.stud. LOI no.2:154-159 '57. (MIRA 13:4)

1. Leningradskiy ordenov Lenina i Trudovogo Krasnogo Znamen
gornyy institut im. G.V.Plekhanova. Predstavleno dotsentom
N.T.Karelinym.

(Conveying machinery--Electric driving)

GOLUZIN, S.I. insh.

Designing automatic crushing and grading plants. Mekh.
stroi. 17 no.8:14-20 Ag '60. (MIRA 13:8)
(Automation) (Sand and gravel plants)

GUZYUKIN, P.G., inzh.; GOLUZIN, S.I., inzh.

Electric drive for jaw crushers. Sbor. trud. VNIINerud no.2:124-149
'62. (MIRA 16:3)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy po
dobyche i pererabotke nerudnykh iskopayemykh.
(Crushing machinery—Electric driving)

CHISTOVICH, L.A.; KOZHEVNIKOV, V.A.; ALYAKRINSKIY, V.V.; BONDARKO,
L.V.; GOLUZINA, A.G.; KLAAS, Yu.A.; KUZ'MIN, Yu.I.;
LISENKO, D.M.; LYUBLINSKAYA, V.V.; FEDOROVA, N.A.;
SHUPLYAKOV, V.S.; SHUPLYAKOVA, R.M.

[Speech: Articulation and perception] Artikuliatsiia i
vospriiatie. Moskva, Nauka, 1965. 240 p. (MIRA 18:2)

1. Akademiya nauk SSSR. Institut fiziologii im. I.P.Pavlova.

GOLUZINA, Ye.G.

Typically real functions with a fixed second coefficient. Vest.
IGU 17 no.7:62-70 '62. (MIRA 15:5)
(Functions)

GOLUZINA, Ye.G.

Range of values of certain systems of functionals in the class of typically real functions. Vest. LGU 20 no.7:45-62 '65. (MIRA 18:5)

GOL'VERG, I.B.

ZAZERSKIY, K.I., inzh.; GOL'VEES, I.B., arkhitektor.

Exhibition of models of standard economical apartemts in Leningrad.
Biul tekhn. inform. 4 no.2:27-29 F '58. (MIRA 11:3)
(Interior decoration)

GOL'VERK, A.A., kand.tekhn.nauk; VAGNER, I.V.

Instrument for testing fuel feed equipment. Avt.i trakt.prom.
no.8:20-23 Ag '57. (MIRA 10:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii
i elektrifikatsii sel'skogo khozyaystva.
(Automobiles--Fuel systems--Testing) (Electronic instruments)

GOL'VERK, A.A., kand. tekhn. nauk; VAGNER, I.V., inzh.

Selecting the best setting for a fuel pump cam. Trakt. i sel'khoz mash
no. 7:24-27 J1 '58. (MIRA 11:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i
elektrifikatsii sel'skogo khozyaystva.
(Fuel pumps)

VAGNER, I.V.; GOL'VEK, A.A., kand.tekhn.nauk

Investigating injection characteristics of the 4TN-8, 5x10 fuel pump.
Avt.prom. no.9:27-29 S 160. (MIRA 13:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i
elektrifikatsii sel'skogo khozyaystva.
(Motor vehicles--Fuel systems)

GOL'VERK, A.A. [Gol'verk, A.A.], kand.tekhn.nauk; VAGNER, I.V., inzh.

Devices for determining engine loads. Mekh.sil'.hosp. 13
no.12:27-28 D '62. (MIRA 16:2)
(Tractors—Engines—Testing)

GOL'VERK, A.A., kand.tekhn.nauk; VAGNER, I.V., inzh.

Propagation speed of fuel pressure waves in pipelines. Trakt. i
sel'khoz mash. 32 no.6:10-12 Je '62. (MIRA 15:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i
elektrifikatsii sel'skogo khozyaystva.
(Diesel engines)

GOL'VERK, A.A.; VAGNER, I.V.; NAGORNYI, A.G., red.

[Testing the fuel system of diesel engines] Metodika is-
pytani topivnoi apparatury dizeloi. Kiev, Izd-vo
"Urozhai," 1964. 148 p. (MIRA 17:8)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920015-3

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RELATION: The indicated power of an engine is directly proportional to the work per

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CIA-RDP86-00513R000515920015-3"

used to obtain electric voltage proportional to a piston travel derivative related to the

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APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920015-3"

GOL'VEK, P.G.; BARSHAK, Ye.M.

Rodless welding of vinyl plastics. Khim.prom. no.8:483-484 D '55.

(MLRA 9:5)

(Plastics--Welding)

GOLVIN, P.V.

Crystallization of sugar. Ukr. khim. zhur. 27 no.2:263-268 '61.
(MIRA 14:3)

1. Institut organicheskoy khimii AN USSR.
(Sugar)

GAGARINA, A.A., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; GOLVKO, M.D.,
kand.tekhn.nauk, starshiy nauchnyy sotrudnik; VILKOV, G.N., red.
izd-va; SHERSTNEVA, N.V., tekhn.red.

[Using the electric analogy method to study the stress state of
large wall slabs] Issledovanie napriazhennogo sostoiانيا krupnorazmernykh stenovykh panelei metodom elektricheskikh analogii.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit.i stroit.materialam,
1961. 76 p. (Akademiya stroitel'stva i arkhitektury SSSR. Institut
stroitel'noi fiziki i ogradhdayushchikh konstruktsii. Nauchnoe
soobshchenie, no.3). (MIRA 15:4)

1. Laboratoriya sten i peregorodok Nauchno-issledovatel'skogo
instituta stroitel'noy fiziki i ogradhdayushchikh konstruktsiy
Akademii stroitel'stva i arkhitektury SSSR (for Gagarina).
2. Laboratoriya gidravlicheskh i elektricheskikh analogiy
Vsesoyuznogo nauchno-issledovatel'skogo instituta transportnogo
stroitel'stva (for Golovko).
(Walls) (Electromechanical analogies) (Strains and stresses)

EXCERPTA MEDICA Sec 2 Vol. 13/5 Physiology May 60

2459. SOME SUGGESTED MODIFICATIONS FOR TECHNIQUES OF CONDITIONING (Russian text) - Goly M. and Horvat M. Dept. of Physiol. of Higher Nerv. Activity, Inst. for Occup. Hyg. and Prof. Dis., Prague - FIZIOL. ZH. IM. SECH. 1959, 45/7 (888) illus. 1

KOLESNIKOV, S.A., prof.; TSUKERMAN, G.I., kand.med.nauk; LEONT'YEVA, N.S.,
kand. med.nauk; MEYTINA, R.A., kand. med. nauk; PETROSYAN, Yu.S.,
kand.med.nauk; GOLYA, B.F.; ASTRAKHANTSEVA, G.I.

Characteristics of the operative and immediate postoperative
period in mitral commissurotomy in patients with severe pul-
monary hypertension. Sovet. med. 27 no.6:14-20 Je'63.
(MIRA 17:2)

1. Iz Instituta serdechno-sosudistoy khirurgii (direktor - prof.
S.A. Kolenikov, nauchnyy rukovoditel' - akademik A.N. Bakulev)
AMN SSSR.

GOLYADKIN, A. I.: Master Agric Sci (diss) -- "The precision of taxation interpretation of pine plantations in the Kazakh hill region from contact and enlarged prints of small-scale panchromatic aerial photographs". Alma-Ata, 1958. 21 pp (Min Agric USSR, Kazakh State Agric Inst), 150 copies (KL, No 6, 1959, 138)

VASIL'YEVA, L.A., inzh. (Voronezh); GOLYAK, D.R., inzh. (Voronezh)

Calculating car circulation in railroad yards. Zhel. dor. transp.
41 no.4:68-69 Ap '59. (MIRA 12:6)
(Railroads--Yards)

GOLYAK, I. G.

AN INVESTIGATION OF THE ENERGY SPECTRUM OF PARTICLES
GENERATED IN HIGH-ENERGY NUCLEAR INTERACTIONS

A. Kh. Vinitzkiy, I. G. Golyak, Zn. S. Takibayev,
I. Ya. Chasnikov

A study was made of the energy spectrum of particles generated in high-energy nuclear interactions ($\sim 10^{12}$ ev) in photographic emulsions. The energy of the charged shower particles was determined by measuring multiple Coulomb scattering. This method of determining the energy is a complex experimental problem, the difficulty being to distinguish spurious scattering from Coulomb scattering. This method of determining the energy is a complex experimental problem, the difficulty being to distinguish spurious scattering from Coulomb scattering. We utilized the procedure of evaluating and excluding spurious scattering by means of multiple cells and the higher differences of coordinates. The correctness of this procedure was verified on the tracks of protons of energy close to 9 Bev in nuclear emulsions irradiated on the proton synchrotron of the Joint Institute of Nuclear Research. Besides use was made for the very same purpose of certain published data on measurements of multiple scattering of particles accelerated by the bevatron.

Report presented at the International Cosmic Ray Conference, Moscow, 6-11 July 1959.

3,2410

3/058/61/000/010/010/100
A001/A101

AUTHORS: Vinitkiy, A.Kh., Golyak, I.G., Takibayev, Zh.S., Chasnikov, I.Ya.
TITLE: Investigation of energy spectrum of particles produced in high-energy nuclear interactions
PERIODICAL: Referativnyy zhurnal.Fizika, no.10, 1961, 95, abstract 10B491 ("Tr. Mezhdunar. konferentsii po kosmich lucham, 1959, v. 1", Moscow, AN SSSR, 1960, 61 - 70)

TEXT: The authors investigated showers in which the energy of produced particles was determined by measuring multiple Coulomb scattering or, in rare cases, by measuring relative scattering of closely flowing particles. In the case of two showers (2 + 16 p and 2 + 14 n), the spectra of γ -quanta, being decay products of π^0 -mesons, were obtained; the energies of γ -quanta were determined on the basis of analysis of electron-positron pairs produced by them. The experimental data obtained in this way are compared with spectra of γ -quanta following from various versions of the theory of multiple meson production.

[Abstracter's note; Complete translation]

L. Dorman

Card 1/1

24,660

39310

S/707/62/005/000/013/014
D290/D308

AUTHORS: Golyak, I.G. and Rus'kin, V.I.

TITLE: The effect of a nucleonic isobar with isospin $T = \frac{1}{2}$ on the results of the statistical theory of multiple production of particles

SOURCE: Akademiya nauk Kazakhskoy SSR. Institut yadernoy fiziki. Trudy, v. 5. Alma-Ata, 1962. Fizika chastits vysokikh energiy. Struktura yadra, 155-163

TEXT: The authors summarize the evidence for the existence of a nucleonic isobar with isospin $T = \frac{1}{2}$ and ordinary spin $S = \frac{3}{2}$ (isobar $(\frac{1}{2}, \frac{3}{2})$); the maxima that are found at about 700 Mev in the total cross-section for π^- -p scattering and in the total cross-section for photoformation of mesons in protons indicate that a resonant interaction exists between a meson and a nucleonic isobar $(\frac{1}{2}, \frac{3}{2})$. The authors also applied Fermi's statistical theory to π -p colli-

Card 1/3

The effect of a nucleonic isobar ...

S/707/62/005/000/013/014
D290/D308

sions at 1.0, 1.4 and 4.5 Bev allowing for nucleonic isobars $(\frac{3}{2}, \frac{3}{2})$ and $(\frac{1}{2}, \frac{3}{2})$, and a π -mesonic isobar (1,1) or (0,0); the results did not differ appreciably from those obtained without allowing for the $(\frac{1}{2}, \frac{3}{2})$, (1,1) or (0,0) isobars. This is explained by the fact that the effect of the $(\frac{3}{2}, \frac{3}{2})$ isobar predominates between 1-5 Bev; the effect of the $(\frac{1}{2}, \frac{3}{2})$ will predominate at higher energies because of its larger mass. The characteristics of the resonant interaction of two π -mesons are also unchanged; thus the theory still explains the maxima in the distribution of nucleon momenta and in the angular distribution of π -mesons for the reactions $\pi^- + p \rightarrow p + \pi^- + \pi^0$ and $\pi^- + p \rightarrow n + \pi^+ + \pi^-$ at 1 Bev. The divergences from experiment for these processes may be caused by neglecting the correlation that exists between the two π -mesons. However, the large overestimates of the statistical weights of processes involving the π -mesonic isobar (1,1) are caused by the degeneracy of the ordinary spin and the neglect of the law of conservation of angular momentum. The wide limits of error of experiments on π^- -p collisions at 1.4 and

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The effect of a nucleonic isobar ...

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D290/D308

4.5 Bev prevent any conclusion being drawn about the effect of the (0,0) isobar since the results obtained for (0,0) and (1,1) isobars are very similar in this energy range. There are 3 figures and 4 tables.

f

Card 3/3

VINITSKIY, A.Kh.; GOLYAK, I.G.; PAVLOVA, N.P.; RUS'KIN, V.I.; TAKIBAYEV, Zh.S.

Inelastic γ -N-interactions at 7.5 Bev. Trudy Inst. iad. fiz.
AN Kazakh. SSR 6:144-159 '63. (MIRA 16:10)

S/056/63/044/002/006/065
B102/B166

AUTHORS: Vinit'skiy, A. Kh., Colyak, I. G., Rus'kin, V. I.,
Takibayev, Zh. S.

TITLE: Interaction between 7.5-Bev π^- mesons and nucleons, and
their analysis on the basis of pole graphs

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44,
no. 2, 1963, 424-430

TEXT: Emulsion plates were exposed to the pion beam from the proton-synchrotron of the OIYAI, and from the 2100 πN events recorded 200 elastic interactions were selected and analyzed. Among these there were 48, 56, 45, 29, 11, 10 and 1 events of 2, 3, 4, 5, 6, 7, and 8-pronged stars, respectively. A total of 323 particles were identified, 259 pions, 19 K-mesons and 45 protons. The pion and proton angular and momentum distributions were determined for the c.m.s. The pion angular distribution is asymmetric with a forward peak and the asymmetry decreases with increasing multiplicity. The proton angular distribution has a backward peak, but the asymmetry is independent of the multiplicity. The proton
Card 1/2

Interaction between 7.5-Bev ...

S/056/63/044/002/006/065
B102/B186

momentum distribution has two maxima at 0.4-0.6 Bev/c and at 1.4-1.6 Bev/c. The pions have flat maxima at 0.2-0.4 and 0.6-0.8 Bev/c. The experimental results are analyzed from the standpoint of peripheral interaction applying the Feynman graphs for one-, two- and three-pion systems. The peculiarities observed can be explained by the fact that at least 30 of the stars have only few prongs. The angular correlation between two pions in the case of low multiplicity are also discussed. There are 6 figures and 2 tables.

ASSOCIATION: Institut yadernoy fiziki Akademii nauk Kazakhskoy SSR
(Institute of Nuclear Physics of the Academy of Sciences
Kazakhskaya SSR)

SUBMITTED: July 28, 1962

Card 2/2

S/020/63/148/004/011/025
B141/B102

AUTHORS: Vinit'skiy, A. Kh., Golyak, I. G., Pus'kin, V. I.,
Takibayev, Zh. S., Academician AS KazSSR

TITLE: Investigation into particle production in inelastic
pion-nucleon interactions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 4, 1963,
796-798

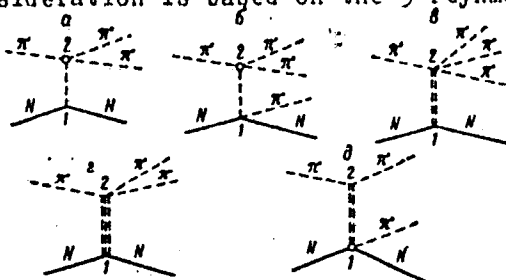
TEXT: The production of pions, strange particles, and new rapidly
decaying systems is studied in inelastic interactions between 7.5-Bev
pions and the nucleons of a nuclear emulsion. Out of 2100 interactions
recorded, 200 were classified as inelastic pion-nucleon interactions; and
among the 323 particles identified there were 259 pions, 19 K-mesons, and
45 protons. The angular distributions of the secondary protons and pions
was studied, as well as their momentum distributions, which have 2
maxima. The protons of the (πp) collisions have less energy than those
of the (πn) collisions. The c.m.s. K-meson energy fluctuates between
500 and 700 Mev. In 3 cases 2 K mesons were produced simultaneously in
inelastic (πN) interactions. Their mass was approximately 1 Bev

Card 1/3

S/020/63/148/004/011/025
 B141/B102

Investigation into particle ...

(lab-system). A resonance of the KK system is inferred from this fact. The theoretical consideration is based on the 5 Feynman graphs of the figure.



Graphs a and d are considered on 2 assumptions, (1) $\sigma_{\pi\pi}(\omega^2) = \text{const.}$

(2) $\sigma_{\pi\pi}$ is obtained from the Breit-Wigner resonance formula for $T = I = 1$.

The graphs b, c, d describe (πN) interactions with exchange of quasiparticles. The graphs b, c, and d supply the main contribution in the high-energy peak in the proton momentum distribution at 1.4-1.6 Bev; this maximum can be explained, the other one, at 0.4-0.6 Bev cannot be explained by a-d. There are two further possible explanations: (1) that the maximum is due

Card 2/3

Investigation into particle ...

S/020/63/148/004/011/025
B141/B102

to nonpolar processes that are connected with a high momentum transfer to protons; (2) it could be explained by a certain type of pole graph. There are 4 figures and 1 table.

ASSOCIATION: Institut yadernoy fiziki Akademii nauk KazSSR (Institute of Nuclear Physics of the Academy of Sciences KazSSR)

SUBMITTED: July 13, 1962

Card 3/3

"APPROVED FOR RELEASE: 06/13/2000

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CIA-RDP86-00513R000515920015-3"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920015-3

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920015-3"

5/0361/64/000

5/0361/64/000

ACCESSION

AUTHORS: Golyak, I. G.; RUS

TITLE: Nucleon-antinucleon scattering at medium energies

SOURCE: AN Kazakhskoy SSR. Izvestiya. Seriya fiziko-matematicheskaya nauk, no. 1, 1964, 83-87

TOPIC TAGS: nucleon scattering, antinucleon, scattering cross section, angular distribution, pion, resonance, measurement of a preceding paper by one of the authors (Accession Nr. AP4049259)

L-17881-65

ACCESSION NR: AP4049260

spin (J), mass (M), parity (P) ... general-

ASSOCIATION: M...

ACC NR: AP7008887

SOURCE CODE: UR/0367/66/004/004/0872/0874

AUTHOR: Golyak, I. G.; Rus'kin, V. I.--Ruskin, V. I.

ORG: Nuclear Physics Institute, Kazakh Academy of Sciences (Institut yadernoy fiziki AN KazSSR)

TITLE: Are inelastic pion-nucleon interactions at 7.5 gev significantly non-peripheral

SOURCE: Yadernaya fizika, v. 4, no. 4, 1966, 872-874

TOPIC TAGS: inelastic interaction, nucleon interaction, pion

SUB CODE: 20

ABSTRACT: It is shown that taking into account the polarization of nucleon isobars produced in a number of pole processes makes it possible to describe the experimentally observed proton momentum spectrum in the c. m. s. [center-of-mass system]. Orig. art. has: 3 figures, 1 formula and 1 table. [Based on authors' Eng. abst.] [JPRS: 39,658]

Card 1/1

UDC: none

0929 1689

AYZENBERG, D.Ye. [Aizenverg, D.IE.]; BARANOVA, N.M.; VEKLICH, M.F.;
 GOLYAK, L.M. [Holiak, L.M.]; GORAK, S.V. [Horak, S.V.];
 DIDKOVSKIY, V.Ya. [Didkova's'kiy, V.IA.]; ZELINSKAYA, V.O.
 [Zelins'ka, V.O.]; ZERNETSKIY, B.F. [Zernets'kiy, B.F.];
 KAPTARENKO-CHERNOUSOVA, O.K.; KRAYEVA, Ye.Ya. [Kraieva, IE.IA.];
 KRASHENINNIKOVA, O.V.; KUPSIKA, A.M.; LAPCHIK, T.Yu.; MAKARENKO,
 D.Ye.; MOLYAVKO, G.I. [Molievko, H.I.]; MULIKA, A.M.; PASTERNAK,
 S.I.; PERMYAKOV, V.V.; ROMODANOVA, A.P.; ROTMAN, R.N.; SLAVIN, V.I.;
 SOKOLOVSKIY, I.L.; SOROCHAN, O.A.; SYABRYAY, V.T.; TKACHENKO, T.O.;
 SHUL'GA, P.L. [Shul'ha, P.L.], doktor geol.-mineral.nauk; YAMNICHENKO,
 I.M. [IAmnychenko, I.M.]; BONDARCHUK, V.G. [Bondarchuk, V.H.], akade-
 mik, otv.red.

[Atlas of paleogeographical maps of the Ukrainian and Moldavian
 S.S.R. with lithofacies elements. Scale 1:2,500,000] Atlas paleo-
 geografichnykh kart Ukrain's'koi i Moldav's'koi RSR z elementamy
 litofatsii. Mashtab 1:2,500,000. Sklady D.IE. Aizenverg i dr.
 Za zahal'nym kerivnytstvom V.N.Bondarchuka. Kyiv, 1960. xvi p.,
 78 col.maps. (MIRA 13:12)

1. Akademiya nauk USSR, Kiyev. Institut geologicheskikh nauk.
 2. Institut geologicheskikh nauk AN USSR (for all, except Bondarchuk,
 Pasternak, Slavin).
 3. Instytut geologii korysnykh kopalyn AN URSS
 (for Pasternak).
 4. Moskovskiy gosudarstvennyy universitet im.
 Lomonosova (for Slavin).
- (Ukraine--Paleogeography--Maps) (Moldavia--Paleogeography--Maps)

YAMNICHENKO, I.M. [Iamnychenko, I.M.]; PERMYAKOV, V.V.; GOLYAK, L.M.
[Holiak, L.M.]

Main features of the geotectonic pattern of the area within
the Ukrainian and Moldavian S.S.R. during the upper Jurassic.
Dop.AN URSR no.1:72-76 '60. (MIRA 13:6)

1. Institut geologicheskikh nauk AN USSR. Predstavleno
akademikom AN USSR V.G.Bondarchukom [V.H.Bondarchukom].
(Ukraine—Geology, Stratigraphic)
(Moldavia—Geology, Stratigraphic)

YAMNICHENKO, I.M. [Iamnychenko, I.M.]; PERMYAKOV, V.V.; GOLYAK, L.M.
[Holiak, L.M.]

Special features in the development of basic structural elements
in the Ukrainian and Moldavian S.S.R. at the end of the Triassic
and during the lower and middle Jurassic. Geol. zhur. 20 no.2:
53-57 '60. (MIRA 14:5)

(Ukraine→Geology, Structural)
(Moldavia→Geology, Structural)

KAPTARENKO-CHERNOUSOVA, Ol'ga Konstantinovna, doktor geol.-miner.
nauk, prof.; GOIYAK, Lyudmila Markovna, inzh.;
ZERNETSKIY, Boris Fedorovich, kand. geol.-miner. nauk;
KRAYEVA, Yelizaveta Yakovlevna, kand. geol.-miner. nauk;
LIPNIK, Yelena Semenovna, mlad. nauchn. sotr.; DIDKOVSKIY,
V.Ya., st. nauchn. sotr., otv. red.; MEL'NIK, A.F., red.;
MATVEYCHUK, A.A., tekhn. red.

[Atlas of typical Jurassic, Cretaceous, and Paleogene
foraminifers in the platform part of the Ukraine] Atlas
kharakternykh foraminifer iury, mela i paleogena platfor-
mennoi chasti Ukrainy. Kiev, Izd-vo AN USSR, 1963. 200 p.
(Seria stratigrafii i paleontologii, no.45)

(MIRA 16:8)

(Ukraine--Foraminifera, Fossil)

KAPTARENKO-CHERNOUSOVA, Ol'ga Konstantinovna, prof., doktor geol.-min.nauk;
GOLYAK, Lyudmila Markovna, inzh.; ZERNETSKIY, Boris Fedorovich,
kand.geol.-miner.nauk; KRAYEVA, Yelizaveta Yakovlevna, kand.
geol.-miner.nauk; LIPNIK, Yelena Semenovna, mladshiy nauchnyy
sotrudnik; DIDKOVSKIY, V.Ya., starshiy nauchnyy sotrudnik, otv.red.;
MEL'NIK, A.F., red.; MATVEYCHUK, A.A., tekhn.red.

[Atlas of characteristic foraminifers of the Jurassic, Cretaceous,
and Paleogene in the platform part of the Ukraine] Atlas
kharakternykh foraminifer iury, mela i paleogena platformennoi
chasti Ukrainy. Kiev. Izd-vo Akad. nauk URSR, 1963. 200 p.
(Akademia nauk URSR. Instytut geologichnykh nauk. Trudy. Seriya
stratigrafii i paleontologii, no.45). (MIRA 16:9)
(Ukraine--Foraminifera, Fossil)

BUKHARIN, N.A., doktor tekhnicheskikh nauk; GOLYAK, V.K., kandidat
tekhnicheskikh nauk.

Using electrical methods in automobile road tests. Avt.trakt.
prom. no.11:10-16 N '54. (MIRA 8:1)
(Automobiles--Testing)

BUKHARIN, N.A.; GOLYAK, V.K.; FAL'KEVICH, B.S., professor, retsentsent;
TURICHIN, A.M., Kandidat tekhnicheskikh nauk, redaktor; VASIL'YEVA,
V.P., redaktor; SOKOLOVA, L.V., tekhnicheskii redaktor.

[Testing automobiles with the use of electric measurement methods]
Ispytaniia avtomobilia s ispol'sovaniem elektricheskikh metodov
izmereniia. Moskva, Gos.nauchno-tekh. izd-vo mashinostroit. lit-
ry, 1955. 129 p. (MIRA 9:6)
(Automobiles--Testing) (Electric measurements)

BUKHARIN, Nikolay Arkad'yevich; GOLYAK, Vladimir Kuz'mich; NOSOV,
N.A., dots., rotsenzent; FETISOV, M.M., dots., red.;
MITARCHUK, G.A., red. izd-va; SHCHETININA, L.V., tekhn. red.

[Use of electric measurement methods for testing automobiles]
Ispytanie avtomobilia s ispol'ovaniem elektricheskikh metodov
izmereniia. 2. izd., perer. i dop. Moskva, Mashigz, 1962. 226 p.
(MIRA 15:5)
(Automobiles--Testing) (Electric measurements)

GOLYAKHOVSKIY, N. V.

ca

118

The influence of the reaction of the medium on the activity of the isolated frog heart. N. V. Golyakhovali. *Zhur. ekspt. Biol. Med.* 11, 50 (1929). The activity of the isolated frog heart was studied at different pH values from 3.25 to 12.0. The activity at pH 7.0 was taken as normal. The acid solns exert a neg. chronotropic and neg. inotropic effect. At $pH > 8.0$ the latter effect is due to a diminished systolic tension while in more acid media it is the diastolic phase that is reduced. Weakly alk. solns (pH 9.0) produce a pos. inotropic effect (increased systolic tension), while more alk. solns cause both a neg. chronotropic and inotropic effect. The changes in the heart action become noticeable, when the pH shifts 0.2-0.3 to the acid side of 7.3, or 2.0 to the alk. side. The heart from the summer frog is more sensitive to changes in H^+ ion concn. than that of the winter frog.

S. MOROZUKA

ASD-3LA METALLURGICAL LITERATURE CLASSIFICATION

GOLYAKHOVSKIY, N.V.

✓

11 B

...Assaying the detoxifying action of hypertonic solutions and other antidotes. N. V. Golyakhevskii. *Farmakol. i Toksikol.* 7, No. 3, 47-9(1944). — Hypertonic solns. (NaCl, glucose and Ringer soln.) and hypotonic Ringer soln. were tested as antidotes for cardiac poisons such as Na salicylate and 2,5-dinitrophenol. Caffeine and CaCl₂ were tested as aids to detoxification. The conclusion is that fixation of org. electrolytes depends on a reaction with proteins. Elimination from tissues in presence of hypertonic solns. depends on dehydration, on lowering the NaCl concn., and on intensifying the action of salts on protein.

Julian F. Smith

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

GOLYAKHOVSKIY, N. V.

CA

11-H

Some reactions of isolated frog liver to perfusion with hypo- and hypertonic solutions. N. V. Golyakhovskii, N. K. Karas, and A. A. Strel'tsova (Stalingrad Med. Inst.). *Farmakol. i Toksikol.* 9, No. 3, 35 (1946).

Several Ringer solns. with fixed concns. of NaCl, KCl and CaCl₂ (pH 7.4) were tested, usually without adding glucose. The frog livers increased up to 80% in wt. with hypotonic soln. (I) and lost up to 40% with hypertonic soln. (II). Osmotic effects were prominent. Weak hypotonicity brings out protein in the perfusate; this disappears, but reappears if isotonic Ringer soln. is used for a time and followed by I. Strong hypotonicity brings out protein, which disappears only slowly; the rate of re-appearance depends on the concn. of subsequent I and its deviation from isotonicity. Perfusions with small successive increments of hypotonicity can decrease osmotic pressure as much as 90% without bringing out protein in the perfusate. With Cl-free Ringer soln. (using nitrates of Na, K and Ca) the perfusate is still Cl-free. When Na salicylate is added to Ringer soln. and perfusion therewith is followed by perfusion with isotonic Ringer soln. till the perfusate is salicylate-free, perfusion with II brings out the salicylate which resists the isotonic soln. Relations of the observations to the therapeutic aspects of osmotic pressure are discussed. Julian P. Smith

GOLYAKHOVSKIY, V. Yu.

Surgical treatment of habitual dislocations of the shoulder.
Ortop.travm. i protez. 20 no.7:16-19 J1 '59. (MIRA 12:10)

1. Iz 2-y kafedry ortopedii i travmatologii (zav. - prof.D.K.
Yazykov) Tsentral'nogo instituta usovershenstvovaniya vrachey.
(SHOULDER fract. & disloc.)

GOLYAKHOVSKIY, V.Yu. (Moskva, D-57, Peschanaya ul., d.18-A, kv.31);
SEFEROVA, N.P., kand.med.nauk

Roentgenological symptoms in habitual shoulder dislocation. Vest.
rent.i rad. 34 no.2:16-22 Mr-Apr '59. (MIRA 13:4)

1. Iz 2-y kafedry ortopedii i travmatologii (zaveduyushchiy - prof.
D.K. Yazykov) i 1-y kafedry rentgenologii i meditsinskoy radiologii
(zav. - zasluzhennyy deyatel' nauki prof. S.A. Rejnberg) Tsentral'-
nogo instituta usovershenstvovaniya vrachey (direktor - prof. V.P.
Lebedeva).

(SHOULDER, disloc.
habitual, x-ray signs (Rus))

GOLYAKHOVSKIY, V. YU., CAND MED SCI, "METHOD OF SURGICAL
TREATMENT OF HABITUAL DISLOCATION OF ^{the} SHOULDER." MOSCOW, 1961.
(ACAD MED SCI USSR). (KL-DV, 11-61, 227).

-247-

GOLYAKHOVSKIY, V. Yu.

Modification of the operation of tenosuspension in habitual dislocation of the shoulder. Trudy NIIKHAI no.5:206-208 '61.

(MIRA 15:8)

1. Iz kafedry travmatologii i ortopedii Tsentral'nogo instituta usovershenstvovaniya vrachey i Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov.

(SHOULDER JOINT--DISLOCATION) (NYLON)

GOLYAKHOVSKIY, V.Yu.

Modification of the operation tenosuspension in recurrent shoulder
luxation. Eksp.khir.i anest. 6 no.3:48-51 '61. (MIRA 14:10)
(SHOULDER JOINT--DISLOCATION)

GRIGOROVSKIY, I.M., prof.; TALYBOVA, S.T., vrach (Baku); KONOVALOV, I.I.,
kand.med.nauk (Yessentuki); YARUSOVA, N.S., prof.; FATEYEVA, Ye.M.,
kand.med.nauk; GOLYAKHOVSKIY, V.Yu., kand.med.nauk

Health hints. Zdorov'e 7 no.8:30-31 Ag '61.
(HYGIENE)

(MIRA 14:9)

GOLYAKHOVSKIY, V.Yu., kand.med.nauk

Clinical symptomatology and the X-ray picture of habitual dislocation of the shoulder. Ortop., travm.i protez. 23 no.6:17-20 Je '62. (MIRA 15:9)

1. Iz kafedry ortopedii i travmatologii (zav. - prof. D.K. Yazykov) Tsentral'nogo instituta usovershenstvovaniya vrachey (rektor - M.D. Kovrigina).
(SHOULDER JOINT--DISLOCATION)

ARUTYUNOV, V.Ya., prof.; VARIN, I.Ye., vrach; GUSAROVA, A.S., kand.med.nauk
ROZENTUL, L.M., vrach-kosmetolog; ROSSOVA, M.M., kand.biolog.nauk;
ALEKSANDROV, B.; COLYAKHOVSKIY, V.Yu., kand.med.nauk

Health hints. Zdorov'ye 9 no.4:30-31 Ap'63.
(HYGIENE)

(MIRA 16:7)

GOLYAKOV, I. N.,

USSR/ Microbiology. Antibiosis and Symbiosis. F-2
Antibiotics

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24123

Author : Kashkin, P. N., Zlatina, K. M., Golyakov, I. N.,
Kashkin, K. P., Yamshchikov, V. P.

Inst : Not given

Title : Variability of Microorganisms in Leucocyte Cul-
tures Under the Effect of Antibiotic Preparations.

Orig Pub: V sb.: Zhivye vaktsiny. M., 1956, 289-295

Abstract: Leucocytes develop well in the presence of doses
of streptomycin, penicillin, syntomycin, biomycin,
and levomycetin which exceed maximum therapeutic
doses for humans, and therefore they may be util-
ized for studying adaptive variability of micro-
organisms under the influence of antibiotics. By
transferring leucocytes in cultures with increas-

Card 1/2

USSR/ Microbiology. Antibiosis and Symbiosis. F-2
Antibiotics

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515920015-3"

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24123

Abstract: ing concentration of a specific antibiotic, re-
sistant variants were obtained of some condition-
ally pathogenic microorganisms. The common
characteristics of resistant forms include weak-
ening of carbolytic activity, viability and anti-
genicity in reactions with homologous sera by
comparison with the initial strains.

Card 2/2

CA

Kr

The peculiarities of the salt regime in the peat-bog solonchaks of Baraba in connection with their drainage. *S. M. Gulyakova, Pochvovedenie 1951, 338-47.* During the winter when the soil freezes to considerable depths and stays frozen for a long time, salts accumulate with the rise of capillary water and vapor from the lower levels. Up to 70-80 mm. of H₂O accumulates in this manner in the frozen layer, the total pptn. being 320-370 mm. The content of HCO₃, Cl, Ca, Mg, and Na in a number of profiles is given. The highest accumulation takes place in the lower layers of the frozen-soil column. Slow thawing (in some cases where the snow cover was shallow the soil was frozen as late as July and August) contributed to the removal of the salts, whereas rapid thawing (the rise of a deep snow cover frozen layer disappeared in April) increased the salt content. In July the salt content had doubled in this area. With provisions for drainage, the evapn. rate is increased and an accumulation of salts takes place in the summer-autumn season. An extensive bibliography is given. J. S. Joffe

1952

GOLYAKOV, N. M.

"The Salt Regime of the Marchy Soil of Central 'Baraba' With a View Toward Improving It." Cand Agr Sci. Omsk Agricultural Inst, Omsk, 1953. (RZhBiol, No 3, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920015-3

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920015-3"

USSR / Soil Science. Physical and Chemical Properties of Soils. J

Abs Jour: Ref Zhur-Biol.; No 21, 1958, 95696.

Author : ~~Golyakov, N. M.~~

Inst : Tomsk University.

Title : On the Problem of the Relation Between Salts of the Hard Phase of Soils, Soil Solution and Surface Waters in Reclaimed Marsh Soils of Central Baraba.

Orig Pub: Tr. Tomskogo un-ta, 1957, 140, 50-58.

Abstract: Investigations were conducted on average-saline and strongly-saline soils and on peat-marsh solonchaks of the Ubinskoye Experiment-Melioration Station (Central Baraba). Surface water takes an active part in the formation of the saline composition of the soil solution, by which the mineralization of the surface water is increased in

Card 1/2

KURASHEV, V.A., redaktor; MIKOABLYAN, I.T., redaktor; RATYNSKIY, Yu.K.,
redaktor; GOLYAKOV, P.A., redaktor; NEVYADOMSKIY, Yu.M., redaktor;
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[Manual of time standards for equipment repair in oil refineries]
Spravochnik norm vremeni na remont apparatury masloochistnykh za-
vodov. Moskva, Gos.nauchno-tekhn. izd-vo neftianoi i gorno-topliv-
noi lit-ry, 1947. 54 p. (MIRA 8:4)

1. Moscow, Tsentral'nyy nauchno-issledovatel'skiy institut
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(Petroleum--Refining)

... the ...

GOLYAKOV, P. A.

PA 30171

USSR/Petroleum - Well Drilling
Drilling

Oct 1947

"The Influence of the Diameter of the Well on the
Mechanical Speed of Drilling," P. A. Golyakov, 5 pp

"Neftyanoye Khozyaystvo" No 10

Tables and data are presented on the speed of drill-
ing, using holes of different diameter. It was found
that the drilling speed decreases in proportion to the
increase in the diameter of the hole, but that too
small a hole also causes a decrease of speed.

LC

30171

GOLYAKOV, P. A.

Jun 1947

USSR/Oil Industries
Oil production

"On the Progressive Norms in the Petroleum Industry," V. A. Kurashev, P. A. Golyakov,
2 pp

"Neftyanoye Khozyaystvo" Vol 25, No 6

General discussion of increasing the standards of production required now because of
improved technology, in accordance with the Stalin Five-Year Plan.

PA 9T93

GOLYAKOV, P. A.

A manual on standardization in the petroleum industry. Moskva, Gos.
nauch.-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1948. 135 p.
(50-24119)

TN874.R9G6

GOLYAKOV, F. A.

PA 51782

USSR/Petroleum - Well Drilling
Drills, Oil Well

Jan 1948

"Economy Limits for the Utilization of Gouges in
Steaming," P. A. Golyakov, 4¹/₂ pp

"Neft Khozyay" No 1

At present, there is no definitely established method to determine the limits of economy for the use of gouges in steaming in the oil-drilling operation. Discusses certain factors that would establish limits of the economical use of gouges. This is very closely related to the factors contributing to decrease of the wear of gouges, and shortening the time required for renovation of the gouges.

LC

51782

PA 61T101

USSR/Petroleum Industry
Oil Production

Mar 1948

"Problems and Methods of Establishing Average Progressive Production Norms," P. A. Golyakov, 4½ pp

"Neftyanoye Khozyaystvo" No 3

Solution of production problems posed by present Five-Year Plan demands development and introduction of complex technological, organizational and economic measures directed toward supplementing sources of further productivity of labor in petroleum industry. One factor conditioning growth of labor productivity is introduction of average progressive norms. Discusses briefly problems of introducing these technical and economic norms into petroleum industry.

61T101

GOLYAKOV, P. A.

PA 49/49T96

USSR/Petroleum Industry Standards

Aug 48

"Tasks and Methods for the Establishment of Average Progressive Standards in Oil Well Production" 5 pp

"Kort Khoz" No 8

Moscow comments on P. A. Golyakov's article in "Kortyanoye Khozaystvo" No. 3, 1948. It is criticized that work based on an industrial labor standardization cannot be based on independent, isolated standards which are not related to one another. Golyakov's method may result in a lower level of achievement than the arithmetical mean value. This

49/49T96

USSR/Petroleum Industry (Contd)

Aug 48

has been indicated by many scientists. This, of course, is the method's fault, but practical experience reveals that the shortcomings can be eliminated.

49/49T96

Golyakov, Petr, N.

GOLYAKOV, Petr Antonovich; GUREVICH, Ya. D.; KOZYREV, S. M.

[Handbook for setting up work norms in well drilling and petroleum production] Spravochnik normirovshchika v bureni skvazhin i dobyche nefi. [2. izd.] Moskva, Gos. nauchno-tekhn. izd-vo nefianoi i gorno-toplivnoi lit-ry, 1955. 186 p. (MLRA 8:11)
(Petroleum industry) (Wages)

GOLYAKOV, P.A.; VOL'NIY, I.V., red.

[Norm concept] Poniatie o norme. Moskva, 1948. 21 p.

(MIRA 15:5)

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mekhanizatsii i organizatsii truda v neftyanoy promyshlennosti.
Byuro tekhniko-ekonomicheskoy informatsii.

(Petroleum industry--Production standards)