"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHEV, V.G.

Comparison of middle and upper Triassic deposits in the Chkalov and Bashkir parts of the Ural Mountain region. Nauch. dokl. vys. shkoly; geol.-geog. nauki no.3:99-103 '58.
(MIRA 12:1)

1.Saratovskiy universitet, geologicheskiy fakul'tet, kafedra paleontologii.
(Orenburg Province--Geology, Stratigraphic)
(Bashkiria--Geology, Stratigraphic)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

AUTHOR: Ochev, V. G. SOV/20-122-3-45/57

TITLE: New Data Concerning Triassic Vertebrates of the Orenburg-Ural Region (Novyye dannyye po faune triasovykh pozvonochnykh Orenburgskogo Priural'ya)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 3, pp 485 - 488 (USSR)

ABSTRACT: By way of introduction the author sums up the stratigraphy of the Triassic rocks of the Orenburg-Ural region. Because phyllopoda remains are seldom found in the lowest Buzulukskaya suite, the Permian-Triassic boundary in this area is poorly established. Apart from the Buzulukskaya suite the Yushatyrskaya is in greatest need of a faunal substantiation of its boundaries. Vertebrates are of the greatest importance for further subdivision of the Triassic sediments. Only two localities of vertebrate findings have hitherto been known. During the years 1955-1957 the author and V. A. Garyainov discovered a number of new fossil localities. A skull of a new type of Triassic labyrinthodont (Parabenthosuchus gen.nov. uralensis sp.nov.), along with many decomposed bone splinters, was found in

Card 1/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

the upper part of the Blyumental' **ravine** not far from the Blyumental' settlement in the Burtinskiy **rayon** of the **Orenburgskaya oblast'**. Previously the author had discovered a number of bone localities in the Kyzyl-Say **ravine** not far from the village of Andreyevka. Two of these points, which are in the Buzulukskaya suite, were excavated in 1956-57. One of these fossil localities occurs in coarsely-grained, cross-bedded sands which apparently represent a river-bed of delta-alluvium deposit. Here were found fragments and whole bones of labyrinthodonts, pseudosuchia, proterosauria, the teeth of theriodonts, dipnoan fish, and countless fish scales as well as procolophonids. This assemblage is typical of excavation-assemblages of the V.zone (Bentosuchus Zone). However, the second location, which is some 20 m higher in the section, reveals an assemblage which is not characteristic of the V.zone. At this point a skeleton of a very large pseudosuchia was found. In the red loam of the Donguzskaya suite, exposed on the right bank of the Berdyanka River, 1/2 km down stream

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

New Data Concerning Triassic Vertebrates of the Orenburg- SOV/20-122-3-[illegible]/[illegible]
Ural Region

from the village of Novo-Aleksandrovka, Sol'-Iletskiy rayon in the oblast of Orenburg, a dicynodont skeleton was found. In addition a new assemblage of fossils from the locality of the Yushatyrskaya suite (discovered in 1948 by B.P.V'yushkov) was identified. The following were found: Order TEMNOSPONDYLI, superfamily CAPITOSAUROIDEA, family Benthosuchidae, genus Parabenthosuchus (previously mentioned, Fig 1). This form is further advanced than those of the South African Uralocentrodon and Lydekkeriana . The brain case has thicker walls than that of Wetlugosaurus angustifrons Rjab. Family MASTODONSAURIDAE, genus Mastodonsaurus, species M.maximus sp.nov. (Fig 2). It was found in the Sol'-Iletsk rayon near the Bukobay River, oblast of Orenburg, Yushatyrskaya suite, VII zone. This is the greatest known species, related to M.giganteus Fraas. Order COTYLOSAURIA, family PROTOCOLOPHONIDAE, genus Tichvinskia Tshud. et Vjush., 1956, species T.burtensis sp.nov. was found in the aforementioned ravine Kyzyl-Say. It is related to T.vjatkensis

Card 3/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

New Data Concerning Triassic Vertebrates of the Orenburg- SOV/20-122-3-45/57
Ural Region

and T.jugensis Tshud. et Vjush (Ref 5). There are 3 figures and 6 references, 5 of which are Soviet.

ASSOCIATION: Saratovskiy gosudarstvennyy universitet im. N.G.Chernyshevskogo (Saratov State University imeni N.G.Chernyshevskiy)

PRESENTED: May 12, 1958, by D.V.Nalivkin, Member, Academy of Sciences, USSR

SUBMITTED: May 9, 1958

Card 4/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

3(0)

AUTHOR: Ochev, V. G. SOV/20-123-4-49/53

TITLE: New Data on Pseudosuchia of the USSR (Novyye dannyye po psevdozukhiyam SSSR)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 4, pp 749-751 (USSR)

ABSTRACT: The Reptiles, especially the pseudosuchian, play an evermore important role today in Triassic stratigraphic problems. survey of finds (Refs 1,2) as well as a description of pseudosuchian remains is given. In 1956 the author found pseudosuchian bones in the upper part of the Buzulukskaya suite (Burtinskiy area, region of Orenburg). These bones belong to a new family: Garjainidae fam.nov (Order Thecondontia Owen, 1859). The family includes the genus Garjainia gen.nov. with the new species: Garjainia prima sp.nov. (Fig 1). It is a large pseudosuchian with a skull 430 mm across. The general character of the skull indicates that it is similar to the family Proterosuchidae, but differs by a series of characteristics: the teeth are thecodont, palate and interparietale, and the intercentrum of the cervical vertibra is missing. The closest descendents of the proterosuchian may be

Card 1/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

New Data on Pseudosuchianof the USSR

SOV/20-123-4-49/53

Elaphrosuchus Broom (Ref 3) from South Africa and Erythrosuchus Huene (Ref 4). Excavation: village Andreyevka, canyon Kyzylsay, bed T_1^1, upper part of Zone V of I. A. Yefremov. Further work with the gargainian could solve interesting stratigraphic problems. On the whole, the fauna of the above-mentioned V zone is more advanced than that of the Lystrosaurus zone of South Africa. The V zone thus corresponds to the youngest part of the Lystrosaurus zone, or it at least corresponds to a part of the Procolophon zone (Ref 8). The lower part of the Lystrosaurus zone in the eastern part of European USSR corresponds to the unconformity between the Permian and Triassic. There are 1 figure and 8 references, 4 of which are Soviet.

ASSOCIATION: Saratovskiy gosudarstvennyy universitet im. N. G. Chernyshevskogo (Saratov State University imeni N. G. Chernyshevskiy)

PRESENTED: July 18, 1958, by D. V. Nalivkin, Academician

Card 2/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

COTTV, V.G., Cand Geol-Min Sci —(diss) "Stratigraphy of Triassic deposits of the Orenburg Priural'ye according to the fauna of vertebrates." Saratov, 1959. 1[illegible] pp (Min of Higher Education USSR. Saratov State U im N.G. Chernyshevskiy), 150 copies (KL,29-59, 126)

-15-

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHEV, V.G.

Continental interruption between the Paleozoic and Mesozoic in the east of the European part of U.S.S.R. Izv.vys.ucheb.zav.; geol.i razv. no.3:32-36 My '60. (MIRA 13:7)

1. Saratovskiy nauchno-issledovatel'skiy geologicheskiy institut.
(Russia--Geology, Stratigraphic)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHEV, V.G.

Triassic stratigraphy of the Ural Mountain region, based on vertebrates. Trudy VNIGNI no.29:35-40 vol. 1 '60.
(MIRA 14:7)
(Ural Mountain region--Paleontology, Stratigraphic)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHEV, V.G.

Stratigraphy of the continental Triassic sediments in the eastern portion of the European part of the U.S.S.R. Uch.zap. SGU 74: 131-138 '60. (MIRA 15:7)

(Geology, Stratigraphic)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHEV, V.G.

A new thecodont from Triassic deposits in the Orenburg area of the Ural Mountain region. Paleont.zhur. no.1:161-162 '61.
(MIRA 14:8)

1. Saratovskiy gosudarstvennyy universitet imeni N.G.Chernyshevskogo.
(Kyzyl-Say region (Orenburg Province)—Reptiles, Fossil)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHEV, V.G.

Climate of the Traissic in the southeastern part of the European U.S.S.R. Izv. vys. ucheb. zav.; geol. i razv. 3 no.6:18-22 Je '61. (MIRA 14:7)

1. Saratovskiy gosudarstvennyy universitet imeni Chernyshevskogo.
(Paleoclimatology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHEV, V.G.

Finds of the little-known groups of Triassic vertebrates. Izv. vys.ucheb.zav.; geol.i razv. 5 no.9:25-28 S '62. (MIRA 16:1)

1. Saratovskiy gosudarstvennyy universitet im. N.G.Chernyshevskogo.

(Orenburg Province—Vertebrates, Fossil)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

GORYAINOV, V.A.; OCHEV, V.G.

Stratigraphy of Triassic sediments in the portion of the Ural Mountain region in Orenburg Province. Izv. vys. ucheb. zav.; geol. i razv. 7 no.4:16-22 Ap '64. (MIRA 18:3)

1. Saratovskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHEV, V.G.; POLUBOTKO, I.V.

"ew finds of Ichthyosauria in the northeast of the U.S.S.R.
Izv. vys. ucheb. zav.; geol. i razv. 7 no.7:50-55 Jl '64
(MIRA 18:2)

1. Saratovskiy gosudarstvennyy universitet i Severo Vostochnoye geologicheskoye upravleniye.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHEV, V.G.; SHISHKIN, M.A.; GARYAINOV, V.A.; TVERDOKHLEBOV, V.P.

New data on the stratigraphic division of the Triassic according to vertebrates in the Ural Mountain portion of Orenburg Province. Dokl. AN SSSR 158 no.2:363-365 S '64. (MIRA 17:10)

1. Nauchno-issledovatel'skiy institut geologii pri Saratovskom gosudarstvennom universitete im. N.G.Chernyshevskogo i Paleontologicheskiy institut AN SSSR. Predstavleno akademikom Yu.A.Orlovym.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIANA, Gh., ing.

Through mechanization to higher productivity. Constr Buc 15 no.697:2 18 My '63.

1. Din D.G.I.C.M.F.S. - M.I.C.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIANA, M.

The role of Scientific Association of Engineers and Technicians in introduction of new technique in the wood industry. p. 435.
(INDUSTRIA LEMNULUI. RUMANIA. Vol. 5. no. 10, Oct. 1956)

SO: Monthly List of East European Accessions (EEAL) Lc, Vol. 6, no. 7, July 1957. Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

STATICESCU, P. ing.; OLTEANU, Gh., dr.; MATEI, A., ing.; MUNTEANU, E. ing.; LUTSCH, M., ing.; POPA, I., ing.; RACZ, Z., ing.; COSMA, I., ing.; LENGYEL, V., ing.; LUNGU, C., ing.; SINGER, M., ing.; CRETU, I., ing.; GRIGORAS, m., ing.; CRACIUNESCU, C., ing.; COLIS, I., ing.; BACOS, M., ing.; ALEXANDRESCU, T., ing.; BERZOVAN, I., ing.; TOARNICZSKI, E., ing.; OCHIANA, S., ing.; MOCANU, E., ing.

Results obtained with different varieties in sugar-beet growing. Ind alim 14 no.9:342-348 S'63.

1. Fabrica de zahar Giurgiu (for Matei, Munteanu).
2. Fabrica de zahar Bod (for Lutsch, Popa).
3. Fabrica de zahar Tg. Mures (for Racz, Cosma, Lengyel).
4. Fabrica de zahar Roman (for Lungu, Singer).
5. Fabrica de zahar Bucecea (for Cretu, Grigoras).
6. Fabrica de zahar Oltenia (for Craciunescu, Colis).
7. Fabrica de zahar Banat (for Bacos).
8. Fabrica de zahar Arad (for Alexandrescu, Berzovan).
9. Fabrica de zahar Ludus (for Toarniczski, Ochiana).
10. Fabrica de zahar Sascut (for Mocanu).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIAURI, D.A.

Note on the distribution of Adoxa moschatellina L. in the Caucasus. Zam. po sist. i geog. rast. no.21:39-42 '59. (MIRA 13:8)

(Georgia--Moschatel)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIAURI, D.A.

New species of the genus Merendera from the Caucasus. [illegible] po sist. i geog. rast. no.23:63-65 [illegible].

New species of saxifrages from the Caucasus. Ibid.:[illegible]

[illegible]

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIAURI, Dedika Alekseyevna

[Study of the flora of Pshav-Khevsureti] [K izucheniiu flory Pshav-Khevsureti. Tbilisi, Metsniereba] 1965. 97 p. [In Georgian] (MIRA 18:10)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHILOVA, M.

Microflora decomposing humates in Sierozem soils. Izv. AN SSSR. Ser. biol. no.2:299-303 Mr-Ap '61. (MIRA 14:3)

1. Microbiological Institute, Academy of Sciences of the U.S.S.R., Mowcow.

(UZBEKISTAN--SOIL MICRO-ORGANISMS)
(SIEROZEM SOILS) (HUMUS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHILOVA, M.

Decomposition of humic acids of Sierozem soils of Uzbekistan caused by pure cultures of humus decomposing micro-organisms. Izv. AN SSSR. Ser. biol. no.4:649-652 Jl-Ag '61. (MIRA 14:9)

1. Institut mikrobiologii AN SSSR.
(UZBEKISTAN--SIEROZEM SOILS)
(SOIL MICRO-ORGANISMS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

HALIKOWSKI, Boguslaw; OCHIMOWSKA-DILAJ, Maria; FOLTYN, Halina; KUROWSKA-TAYLOR, Aleksandra

Symptomatology and clinical variants of hypercalcemia in children. Pediat. pol. 37 no.8:805-815 Ag '62.

1. Z II Kliniki Chorob Dzieci AM w Gdansku Kierownik: doc. dr med. B. Halikowski.

(HYPERCALCEMIA)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

FRONESCU, E., dr.; OCHINDIUC, S., dr.

Considerations on a "renal form" of plasmocytoma. Med. intern., Bucur 12 no.11:1687-1691 N '60.

1. Lucrare efectuata in Clinica a V-a medicala, Spitalul "V.Roaita" I.M.F. Bucuresti, director: prof. T.Spirchez.
(MYELOMA, PLASMA CELL case reports)
(ALBUMINURIA etiology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Ochinskaya, G.K.

GRAYEVSKIY, Ye.Ya.; OCHINSKAYA, G.K.; SHAAK, M.V.

Nature of the photodynamic process. Zh. obsh. biol., Moskva 13 no. 3:211-231 May-June 1952. (CLML 22:4)

1. Laboratory of Experimental and Pathological Morphology of the Central Roentgenological, Radiological, and Cancer Institute of the Ministry of Public Health USSR.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Effect of oxygen on the harmful action of various ionizing radiations. R. Ya. Graevskiĭ and G. K. Ochinskaya. *Doklady Akad. Nauk S.S.S.R.* 80, 727. [illegible] *chia coli* were irradiated at 15° with x-, β-, or γ-radiation *in vacuo* or in contact with O-air. With β-radiation no significant difference in lethal action of radiation in the presence or absence of O was observed. With γ-radiation the lethal action of radiation was decreased *in vacuo* by a factor of about 2.3. With x-radiation the results were similar and the survival factor was 2.6. The results are correlated with those of Allsopp (*C.A.* 38, 4505f).

G. M. Kosolapoff

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHINSKAYA, G.K.

Effect of various forms of ionizing radiations on Paramecium caudatum. TSitologiia 1 no.4:393-402 Jl-Ag '59. (MIRA 12:10)

1. Otdeleniye eksperimental'noy morfologii TSentral'nogo nauchno-issledovatel'skogo instituta meditsinskoy radiologii Ministerstva zdravookhraneniya SSSR, Leningrad.
(RADIATION--PHYSIOLOGICAL EFFECT) (PARAMECIUM)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHINSKAYA, G.K.

Difference in the biological effect on mammals of roentgen rays and gamma rays of radioactive cobalt. Med.rad. 4 no.11:29-33 N '59. (MIRA 13:2)

1. Iz otdela eksperimental'noy morfologii (zaveduyushchiy - prof. G.S. Strelin) TSentral'nogo nauchno-issledovatel'skogo instituta Ministerstva zdravookhraneniya SSSR.

(COBALT radioactive)
(RADIATION EFFECTS experimental)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

BYCHKOVSKAYA, I.B.; OCHINSKAYA, G.K.

Protective effect of hypoxia at different radiation dosages.
Biofizika 5 no. 4:468-478 '60. (MIRA 13:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii Ministerstva zdravookhraneniya SSSR, Leningrad.
(RADIATION PROTECTION) (ANOXEMIA)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

FUNSHTEYN, L.V.; OCHINSKAYA, G.K.; SHCHERBAN', E.I.

Morphological changes in the internal organs of mice following a single high dose of X irradiation. Radiobiologiia 1 no.3:440-445 '61. (MIRA 14:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii, Leningrad.
(X RAYS--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

ACCESSION NR: AP4015086 S/0205/64/004/001/0063/0066

AUTHOR: By*chkovskaya, I. B.; Ochinskaya, G. K.

TITLE: A study of the "oxygen effect" during different radiation dose rates

SOURCE: Radiobiologiya, v. 4, no. 1, 1964, 63-66

TOPIC TAGS: Calendria granaria, oxygen effect, determination, oxygen condentration, radiation dose rate, survivability, radiation damage

ABSTRACT: This study investigates whether the extent of oxygen effect during different radiation dose rates can be determined by quantitative changes in the ratio between radiation dose rate and the oxygen concentration of the medium. Calandria granaria beetles were selected for investigation because of their capacity to endure complete absence of oxygen for long periods of time. In a preliminary experimental series the beetles were X-irradiated with different radiation doses at dose rates of 500 and 50 r/min and with oxygen concentrations ranging from 0 to 21% to find the "isobiological" radiation dose for both dose rates. This dose was established at 7 kr on the basis of survival and average life span indices, and two experimental series

Card1/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

ACCESSION NR: AP4015086

were conducted to compare oxygen effects for this dose at 500 and 50 r/min. In the first series, the 500 r/min dose rate (radical concentration per unit of time) remained constant and the oxygen concentration (0-21%) changed. In the second series the oxygen concentration (3.8%) remained constant and dose rates changed. Findings indicate that the dependence of radiation damage on oxygen concentration is characterized by an S-shaped curve. Radiation damage increases with certain oxygen concentrations and then an "oxygen ceiling" is reached when further oxygen concentration increase is not reflected by radiation effect. Within a certain oxygen concentration range, radiation damage depends on the slightest change in oxygen concentration but does not depend on dose rate change. In this study the extent of oxygen effect during different dose rates cannot be determined by simple quantitative ratios between radiation dose rate and oxygen concentration, but they may be valid in determining oxygen effect for high dose rates, which were not investigated. Orig. art. has: 3 tables, 1 figure.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii MZ SSSR (Central Scientific-Research Institute of Medical Radiology, MZ SSSR)

Card 2/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

ACCESSION NR: AP4015086

SUBMITTED: 19Feb63 DATE ACQ: 12Mar64 ENCL: 00

SUB CODE: LS NO REF SOV: 002 OTHER: 001

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

ACCESSION NR: AP4027967 S/0205/64/004/002/0203/0209

AUTHOR: Bystchkovskaya, I. B.; Ochinskaya, G. K.

TITLE: Analysis of hypoxia radioprotective action dependence on radiation dose

SOURCE: Radiobiologiya, v. 4, no. 2, 1964, 203-209

TOPIC TAGS: hypoxia, radioprotective action, 1 to 150 kr X-irradiation dose, granary weevil (Calandra granaria), average life span, hypoxia radioprotective action, radiation dose dependence, effective radiation dose reduction

ABSTRACT: Granary weevils (Calandra granaria) were X-irradiated (200 kv, 20 ma, filter 0.5 mm Al + Cu 0.21 mm, 500 r/min) with 48 different single doses ranging from 1 to 150 kr to determine the dependence of hypoxia radioprotective action on radiation dose. Experimental weevils were X-irradiated in a 2% oxygen concentration and control weevils were irradiated under normal conditions of 20 to 21% oxygen. Survival and average life span were determined every 3 days for a period of 50 days after irradiation. Findings show that the radiation doses can be divided into 3 groups on the basis of

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

ACCESSION NR: AP4027967

average life span: Group I (8 to 35 kr, 20 days), Group II (40 to 68 kr, 13 days), and Group III (74 to 150 kr, 9 days). Radioprotective action of hypoxia is present for the smallest doses of each group: 8 to 13 kr in Group I, 40 to 50 kr in Group II, and 74 to 80 kr in Group III. It is absent for larger doses: 14 to 35 kr in Group I, 55 to 68 kr in Group II, and 85 to 150 kr in Group III. The divergence between experimental and control curves for absolutely lethal doses (8 to 150 kr) actually characterizes the step dependence of radiation effect on dose more than the radioprotective action of hypoxia. The radioprotective action of hypoxia is basically a reduction of effective radiation dose, but the reduction value decreases less with massive radiation doses. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii MZ SSSR, Leningrad (Central Scientific-Research Institute of Medical Radiology MZ SSSR)

SUBMITTED: 19Feb63 ENCL: 00

SUB CODE: LS NR REF SOV: 003 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

BYCHKOVSKAYA, I.B.; OCHINSKAYA, G.K.

Intensity of the oxygen effect following X-ray and gamma irradiation of billbugs. Radiobiologia 4 no.6:928-929 '64. (MIRA 18:7)

1. TSentral'nyy nauchno-issledovatel'skiy rentgeno-radiologicheskiy institut Ministerstva zdravookhraneniya SSSR, Leningrad.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

L 7772-66

ACC NR: AP5025922 SOURCE CODE: UR/0205/65/005/005/0700/0702

AUTHOR: Bychkovskaya, I. B.; Ochinskaya, G. K.

ORG: Central Scientific Research Roentgenoradiological Institute MZ SSSR, Leningrad (Tsentral'nyy nauchno-issledovatel'skiy rentgeno-radiologicheskiy institut MZ SSSR)

TITLE: Absence of "oxygen aftereffect" in granary weevils under hibernation conditions induced by lowering of temperature

SOURCE: Radiobiologiya, v. 5, no. 5, 1965, 700-702

TOPIC TAGS: experiment animal, irradiation effect, irradiation damage, hypothermia, hypoxia, oxygen

ABSTRACT: An increasing number of recent studies show that the presence of oxygen following irradiation of subjects (with a low water content) at low temperatures (3 to 5°) produces a harmful aftereffect. In the present study oxygen aftereffect was investigated in granary weevils (Calandra granaria) irradiated in a state of hibernation under different conditions of hypoxia. Hibernation was induced by lowering of temperature to 3 to 5° for 20 to 24 hrs before irradiation and for 30 min to 12 days following irradiation. The weevils were X-irradiated (RUM-3 unit, 200 kv, 20 ma, 500 r/min) in special vacuum test tubes

Card 1/2

UDC: 577.391:632.7

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

L 7772-66

ACC NR: AP5025922

with 5 to 10 kr doses under the following conditions of hypoxia: hypoxia at moment of irradiation, hypoxia at moment of awakening from hibernation, hypoxia from moment following irradiation to moment to moment of awakening from hibernation, and without hypoxia (control). Oxygen aftereffect was absent in all experimental weevils irradiated at low temperatures. The radioprotective effect of hypoxia was demonstrated in all experimental series with hypoxia present at the moment of irradiation (7, 8, 9, and 10 kr) followed by removal to room temperature 30 min to 12 days later. However, the radioprotective effect was absent with hypoxia produced at the moment weevils were awakened from hibernation and also with more prolonged periods (30 min, 2, 3, and 6 days) of hypoxia following irradiation. These data provide no basis for assuming that oxygen aftereffect is the result of prolonged contact of an irradiated subject with oxygen. The absence of any oxygen aftereffect in these experiments, contrary to literature findings under similar conditions, appears to indicate that in addition to external factors the special characteristics of the subject itself determine oxygen aftereffect. Orig. art. has: 1 table.

SUB CODE: 06/ SUBM DATE: 24Aug63/ ORIG REF: 004/ OTH REF: 007

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHINSKAYA, G.K.; BYCHKOVSKAYA, I.B.

Existence of a system in the response of biological objects to irradiation; an analysis of data obtained on Paramecium caudatum. Dokl. AN SSSR 160 no.2:461-463 Ja '65.

(MIRA 18:2)

1. TSentral'nyy nauchno-issledovatel'skiy rentgeno-radiologicheskiy institut. Submitted May 11, 1964.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHINSKAYA, G. V

69

PHASE I BOOK EXPLOITATION SOV/5435

Kiselev, P. N., Professor, G. A. Gusterin, and A. I. Strashinin, Eds.

Voprosy radiobiologii. t. III: Sbornik trudov, posvyashchennyy 60-letiyu so dnya rozhdeniya Professora M. N. Pobedinskogo (Problems in Radiation Biology. v. 3: A Collection of Works Dedicated to the Sixtieth Birthday of Professor M[ikhail] N[ikolayevich] Pobedinskiy [Doctor of Medicine]) Leningrad. Tsentr. n-issl. in-t med. radiologii M-va zdravookhrananiya SSSR, 1960. 422 p. 1,500 copies printed.

Tech. Ed.: P. S. Peleshuk.

PURPOSE: This collection of articles is intended for radiobiologists.

COVERAGE: The book contains 49 articles dealing with pathogenesis, prophylaxis, and therapy of radiation diseases. Individual articles describe investigations of the biological effects of radiation carried out by workers of the Central Scientific Research Institute for Medical Radiology of the Ministry of Public Health, USSR. [Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii Ministerstva zdravookhraneniya SSSR] during 1958-59. The following

Card 1/10

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

#69

Problems in Radiation Biology (Cont.) SOV/5435

topics are covered: various aspects of primary effects of radiation; the course of some metabolic processes in animals subjected to ionizing radiation; reactions in irradiated organisms; morphologic changes in radiation disease; and reparation and regeneration of tissues injured by irradiation. Some articles give attention to the effectiveness of experimental medical treatments. No personalities are mentioned. References accompany almost all of the articles.

TABLE OF CONTENTS:

Foreword 3

Gusterin, G. A., and A. I. Strashinin. Professor Mikhail Nikolayevich Pobedinskiy (Commemorating his Sixtieth Birthday) 5

Lebedinskiy, A. V. [Member, Academy of Medical Sciences USSR], N. I. Arlashchenko, and V. M. Mastryukova. On the Mechanism of Trophic Disturbances Due to Ionizing Radiation 11

Zedgenidze, G. A., [Member, Academy of Medical Sciences USSR], Ye. A. Zherbin, K. V. Ivanov, and P. R. Vaynshteyn. Hormonal Activity of the Adrenal Cortex in Acute Radiation Sickness and the Effect of Desoxycorticosterone Acetate on the Disease 17

Card 2/10

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Sipovskiy, P. V., and A. V. Kantin. Morphologic Healing Characteristics of the Amputational Bone Stump of Rabbits During Radiation Sickness and After Recovery 248

Funshteyn, L. V. On Morphogenesis in Experimental Acute Radiation Sickness 256

Fedorov, Yu. A. Effect of Fractional Whole-Body X-Ray Irradiation of Hard Dental Tissue in White Rats 265

Funshteyn, L. V., and E. I. Shcherban'. On the Phagocytic Capability of Some Segments of the Reticuloendothelial System Following Whole-Body X-Ray Irradiation of White Mice 272

Ochinskaya, G. V., and L. V. Funshteyn. Morphologic Changes in Internal Organs of Pregnant Animals Subjected to Whole-Body Irradiation 281

Kholin, V. V. Comparative Data on Injury to the Spleen in Acute Radiation Disease, Depending on Age of the Animals 288

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

FUNSHTEYN, Lev Vladimirovich; VASIL'YEVA, Ye.I.; GRACHEVA, N.D.; OCHINSKAYA, G.V.; PROTAS, L.R.[deceased]; RABINOVICH, R.M.; SHCHERBAN', E.I.; SIPOVSKIY, P.V., red.; RULEVA, M.S., tekhn. red.

[Atlas of the pathological anatomy of acute experimental radiation sickness] Atlas patologicheskoi anatomii ostroi luchevoi bolezni v eksperimente. Leningrad, Medgiz, 1961. 216 p. (MIRA 15:2)

(RADIATION SICKNESS) (ANATOMY, PATHOLOGICAL--ATLASES)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHINSKIY, N.K.

Devices for checking lever clamps and microscrews in micrometers over 200 mm. Izm.tekh. no.4:7-8 Ap '60. (MIRA 13:8)

(Micrometer—Testing)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHINSKIY, N.K.

Attachment to a vertical optical indicator. Izm.tekh. no.11:18-19 N '60. (MIRA 13:11)

(Optical instruments)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

SOV/97-59-3-11/15

AUTHORS: ~~Ochinskiy, V. I.~~, Architect, Sidorov, A. S. Engineer and Shul'ts, E. E. Engineer

TITLE: New Truss Construction

PERIODICAL: Beton i zhelezobeton, 1959, Nr 3, pp 136-137 (USSR)

ABSTRACT: The truss construction described and illustrated in this article is made up of three separate units (Figs 1 and 2) which are reinforced by welded reinforcement skeleton consisting of three 4 mm diameter longitudinal bars and cross reinforcement of 3 mm diameter bars spaced 25-30 cm apart. In the bottom frame two 10 mm diameter rods are left protruding for later fixing of the ceiling. Individual parts of the truss are joined together by cement grout mark 100. The trusses are cast on concreting yard KPP of the Sochispetsstroy. The frames can be placed in position without cranes as the heaviest unit weighs only 60 kg. The table on p 137 gives consumption of concrete and steel for trusses used for a house with 28 apartments. In comparison with

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

SOV/97-59-3-11/15

New Truss Construction

steel trusses they require only one-third of the volume of concrete and one-sixth of the weight of steel. The trusses are cast in steel forms on vibrating tables. There are 2 figures and 1 table.

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

KAZARYAN, V.A.; OCHINYAN, S.A.

Ensilage of potato tubers and leaves. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 5 no.1:105-108 '52. (MLRA 9:8)
(Stepanavan District--Ensilage) (Potaotes)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHINYAN, S.A. (g. Stepanavan)

Fall planting of potatoes in Stepanavan District of the Armenian S.S.R. Preliminary report. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 7 no.7:103-106 Jl '54. (MLRA 9:8)
(Stepanavan District--Potatoes)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

VELEV, D.S., k.t.n.; OCHIPALSKI, A.N., inzh.

Friction coefficient and hydraulic resistance of glass wool. Tekhnika Bulg 11 no.1:39-40 '62

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, Ts. O., Cand Geol-Min Sci -- (diss) "Geological-lithologic characteristics of carboniferous deposits of the Gusinoozerskiy coal-bearing ~~rajon~~ region." Len, 1957. 20 pp (Min of Higher Education USSR, Len Orders of Lenin and Labor Red Banner Mining Inst im G. V. Plekhanov), 100 copies (KL, 52-57, 104)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS. O.

20-5-39/54

AUTHOR: Ochirov, Ts.O.

TITLE: The Facial Structure and a Structural Scheme of the Coal-Bearing Mass of Gusinoye-Ozero (Fatsial'noye stroyeniye i skhema raschleneniya Gusinoozerskoy uglenosnoy tolshchi)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 115, Nr 5, pp. 991 - 994 (USSR)

ABSTRACT: This coal basin is situated 120 km south of Ulan-Ude in a district of Buryat Mongolia. Geomorphologically it forms a depression between mountains. It is one of those shallows which form a part of the vast Gusino-Uda depression. Structurally it is a large syncline extending from North to East. The coal-bearing sediments belong to the middle and upper Jurassic as well as to the lower cretaceous formation. In the Northwest they rest upon a substratum of an upper paleozoic (or low mesozoic) porphyrite complex, and, to a small extent, of red paleozoic granite. After many years of work, N.A. Florensov succeeded in setting up a scheme of the geological structure of the coal-bearing masses of this district, especially that of Gusinoye-Ozero (a mesozoic coal-bearing region in Transbaikalia.) It deviates considerably from pre-

Card 1/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

20-5-39/54

The Facial Structure and a Structural Scheme of the Coal-Bearing Mass of Gusinoye -Ozero

vious ones. The scheme worked out by Florensov was, on the whole, confirmed by the lithological-facial investigations carried out by the author; the main subdivisions carried out by him were confirmed by the author, and the cross sections of some of the research regions were compared. Some rules of the facial structure of the mass were found and were used as a basis for the structural scheme set up. The entire mass can be subdivided into 3 suites according to the degree of saturation by sediments of the bog facies, i.e. according to the amount of coal they contain: 1.) the lower (500 - 640 m) which has no coal; the middle suite (900 - 1110 m) carrying coal, the upper one (360 - 400) carrying no coal. The author further subdivides the lower suite lithologically into two sub-suites, and the middle one into 3. Agreement with the denominations used by Florensov is mentioned. Furthermore, the suites and sub-suites are described in detail. The structural scheme suggested for the coal-bearing mass makes it possible to draw practical conclusions. Especially, the occurrence of coal deposits also in lower horizons is possible. Several promising regions are expressly mentioned. There are 1 figure and Slavic references.

Card 2/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

20-5-39/54

The Facial Structure and a Structural Scheme of the Coal-Bearing Mass of Gusinoye-Ozero

ASSOCIATION: Laboratory for Coal Geology, AN USSR, Leningrad (Laboratoriya geologii uglya Akademii nauk SSSR, Leningrad)

PRESENTED BY: D.V. Nalivkin, Academician, March 1, 1957

SUBMITTED: February 28, 1957

AVAILABLE: Library of Congress

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.

Lithological composition and conditions of accumulation of coal-bearing formations in the Gusinoozersk coal region. Trudy Lab.geol.ugl. no.8:215-229 '58. (MIRA 11:12)
(Gusinoozersk region--Coal geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.

Coal resources of the Lake Gusinoye region. Krat. soob. BKNII no.1:19-24 '59. (MIRA 14:9)
(Gusinoye Lake region--Coal geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.; DVORKIN-SAMARSKIY, V.A.; DMITRIYEV, G.A.

Role of Russian geologists in the geological study of Buryat-Mongolia. Trudy BKNII no.1:94-99 '59. (MIRA 14:8)
(Buryat-Mongolia--Geological surveys)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.; DVORKIN-SAMARSKIY, V.A.

Problems of geological studies in the Buryat A.S.S.R. Trudy BKNII no.2:3-8 '60. (MIRA 14:10)

(Buryat-Mongolia—Geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.

Lithology of Mesozoic sediments in the Tunguy Depression. Trudy BKNII no.2:9-18 '60. (MIRA 14:10)
(Tunguy Valley--Geology, Stratigraphic)
(Rocks, Sedimentary)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

KONIVETS, V.I.; OCHIROV, TS.O.

Transbaikalian brown coal is an additional raw material in the by-product coking industry. Trudy BKNII no.2:114-121 '60. (MIRA 14:10)

(Transbaikalia--Lignite) (Coke industry)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.

Fault tectonics in central Buryatia. Trudy BKNII no.7:3-12 '61. (MIRA 16:4)

(Buryat-Mongolia--Faults (Geology))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.; DVORKIN-SAMARSKIY, V.A.; TUGOVIK, G.I.

Geological study of the Buryat A.S.S.R. Kraeved. sbor. no.7: 12-25 '62. (MIRA 16:8)

(Buryat A.S.S.R.--Geological research)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.

Structural-facies and startigraphic characteristics of continental sediments in the Gusinoozersk Depression. Trudy BKNII no.7:36-43 '61. (MIRA 16:4)

(Gusinoozersk Depression—Geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.

Distribution of heavy minerals in Mesozoic terrigenous sediments of the Gusinoozersk Depression. Krat.soob. BKNII no.3:19-22 '62. (MIRA 16:5)

(Gusinoozersk Depression--Minerals)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.C.

Mineralogical Society of the Buryat [illegible] and its role in the study of mineral resources. Trudy BRNII no.9:150-153 '62 (MIRA 18:2)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.; SILAKOV, V.N.

Conference on the metallogeny and utilization of mineral resources in Buryat A.S.S.R. Geol. i geofiz. no.12:117-118 '62. (MIRA 16:3)
(Buryat A.S.S.R.—Ore deposits)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

BULNAYEV, K.B.; OCHIROV, TS.O.

Endogenetic mineralization and the igneous activity of the zones of Mesozoic faults in western Transbaikalia. Zap. Vses. min. ob-va 93 no.5:606-612 '64.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TSybik Ochirovich; DVORKIN-SAMARSKIY, V.A., spets. red.; OGIYENKO, S.I., red.

[Geology of the Gusinoye-Ivolginsk part of the Buryat A.S.S.R.] Geologiia Gusino-Ivolginskoi chasti Buriatii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 154 p. (MIRA 17:8)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TSybik Ochirovich, [illegible]NAYEV, Kazima [illegible] DORZHIYEV, Vladimir Stepanov[illegible] TUFUNKHAYEV, [illegible] TSYRENDORZHIYEV, [illegible] KOSYGIN, Yu. A. [illegible] otv. red..

[Development of Mesozoic structures in western Transbaikalia] Razvitie mezozoisk kh struktur Zapadnogo Zabaykal'ia. Ulan-Ude, Buria[illegible] kh zunoe izd-vo, 1965. 207 p. (MIRA 18:[illegible])

1. Chlen-korrespondent AN SSSR (for Kosygin)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, TS.O.

Tectonics of Buryatia. Geotektonika no.1:57-67 Ja-F '66. (MIRA 19:1)

1. Buryatskiy kompleksnyy institut Sibirskogo otdeleniya AN SSSR.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHIROV, Yu.D.; POCHEKUNIN, D.I.

Natural tularemia focus in Chita Province. Zhur. mikrobiol. epid. i immun. 32 no.5:66-67 My '61. (MIRA 14:6)

1. Iz Chitinskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(CHITA PROVINCE—TULAREMIA)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

KOZLOV, M.P.; OCHIRVAAN', G.

Scientific studies on infection pathology in the Mongolian Peoples Republic; a review. Zhur. mikrobiol., epid. i immun. 42 no.1:82-85 Ja '65. (MIRA 18:6)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Country : USSR
Category : Cultivated Plants. Cereals. Leguminous Plants. Tropical Cereals. M

Abs Jour : RZhBiol., No 6, 1959, No 24839

Author : Ochiryn Badarch Luvsan
Inst : Moscow Agricultural Academy imeni K. A. Timiryazev.
Title : The Effect of Organic and Mineral Fertilizers on the Corn Harvest in the Chestnut Soil of the Central Part of Khangay Zone in MNP.
Orig Pub : Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva, 1958, vyp. 34, 73-79

Abstract : Experiments were conducted in 1956-1957 by the Dzun-Karyn Experimental Station on chestnut soils (pH, 7.6-8.3), under conditions typical for the northern part of MNP. The corn varieties, Lenin Gorkiy No. 4 and Minnesota respond readily to nitrogen and phosphorus fertilizers.

Card : 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Country : USSR
Category : Cultivated Plants. Cereals. Leguminous Plants. Trolical Cereals. M

Abs Jour : RZhBiol., No 6, 1959, No 24839

Author :
Inst :
Title :

Orig Pub :

Abstract : The largest harvest (an increment of 48.4 c/ha) was obtained by the introduction of an organic mineral mixtures in small doses into holes. -- N. Ya. Vorontsova

Card : 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

K

RUMANIA / Forestry. Forest Cultures.

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29583.

Author : Ochkai, S., Klonadu, A.
Inst : Not given.
Title : The Selection of Black Poplar Hybrids. (Otbor chernykh gibridnykh topoley).

Orig Pub: Rev. padurilor, 1957, 71, No 5, 291-294.

Abstract: Indication is given of the necessity of registering all poplars growing in Rumania, of making experimental cultures, of separating out the best clones and obtaining improved black poplar hybrids.

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

2

80175
S/111/60/000/04/02/003
B022/B008

6.4800

AUTHORS: Shumlyanskiy, I. I., Docent, Gusarov, Yu. D., Chief Engineer, Ochkalenko, N. A., Engineer

TITLE: Spurious Radiation in Shortwave Transmitters

PERIODICAL: Vestnik svyazi, 1960, No. 4, pp. 13 - 15

TEXT: A short classification is given here of spurious radiations in shortwave transmitters which are divided into parasitic oscillations, combination frequencies in the balanced modulator of the exciter, combination frequencies in the transmitter at the mutual interference of the working frequency with the two mentioned frequencies, and multiple harmonic frequencies. The methods of frequency control are discussed, with the methods and systems based on 1) the parametric or quartz control, 2) the direct interpolation of the frequency (Fig. 1), and 3) the indirect interpolation of the frequency being explained, and their mode of operation described. The increase in selectivity of the channel by using additional circuits, and the increase in filtration of the two generators as well as the improvement in linearity of the balanced modulator are mentioned as methods of weakening the combination frequencies, and the increase

4

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

80175

Spurious Radiation in Shortwave Transmitters

S/111/60/000/04/02/003
B022/B008

in selectivity of the channel by limiting the amplitude under overvoltage conditions is finally described as the best method. Various circuit diagrams (Figs. 6-9) are recommended and described in detail for the purpose mentioned. Getsman, Engineer, Vidgol'ts, Engineer, L. P. Tsvetova, Engineer, and A. A. Perederiyenko, Engineer, are mentioned. There are 9 figures.

ASSOCIATION: Odesskiy elektrotekhnicheskiy institut svyazi (Odessa Electrotechnical Institute for Communications) Shumlyanskiy, I. I., Docent, Odesskiy radiotsentr (Odessa Radio Center) Gusarov, Yu. D., Chief Engineer, Ochkalenko, N. A., Engineer

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHKAS, F.P.

Using a perfol film covering for hotbeds. Kons. i ov. prom. 14 no.7:24 Jl '59. (MIRA 12:9)

1. Khersonskiy opornyy punkt.
(Hotbeds)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

SMIRNOVA, V.F., inzh.; ZOTOV, V.L., inzh.; Prinimali uchastiye: BELYAYEV, N.N.; OCHKASOVA, Z.P., inzh.

Coating of headwear with a nap finishing by means of the electrostatic method. Nauch.-issl. trudy TSNIISherstl no.17:124-126 '62. (MIRA 17:12)

1. Rukovoditel' laboratorii avotmatizatsii TSentral'nogo nauchno-issledovatel'skogo instituta sherstyanoy promyshlennosti (for Belyayev).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHKIN, A.

In foreign countries. Mias. ind. SSSR 33 no.4:59-61 '62. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

CA

10

Lab. im. Zelinskiy

PROCESSES AND PROPERTIES INDEX

[illegible] of organic compounds over [illegible] catalysts. (Action of [illegible] catalysts on butyric acid.) A. V. Frost and A. V. Oshkin (Dept. Phys. Chem., Moscow State Univ.). *Vestnik Moskov. Univ.* 1947, No. 5, 73-81.—$PrCO_2H$ (I) (200 g.), heated in an autoclave with 100 g. finely ground activated clay (prepd. according to Mikhnovskaya and Frost, *C.A.* 37, 5575[9]) 24 hrs. at 250 ± 5°, with the pressure rising to 50 atm. during the 1st 6 hrs. and attaining 80 atm. toward the end, gave 50 l. gas (CO_2 35.0, H_2 56.8, C_nH_{2n} 6.2%) and 57.0 g. ether-sol. liquid; the fraction b. 105-50° (10% of the initial I) was fractionated into b. <140° (1.6%), 140-2° (1.9%), 142-5° (5.5%), 145-65° (0.8%), residue 0.2%; the fraction b. 142-5° is Pr_2CO. Under the same conditions, 200 g. I, neutralized with KOH, gave 3 g. (1.5% of the initial I) of a fraction b. 144-7°, with the refractive index and the characteristic odor of Pr_2CO. No reaction takes place in the absence of catalyst. Pr_2CO was also formed in a stationary autoclave, and, judging by the decrease of the acid no., also in an open vessel under atm. pressure. In passing I (about 28 g.) over the same catalyst (300 ml.) at a vol. rate of 0.2-0.4 l./l. clay/hr., at 200°, 250°, and 300°, 30-60 min., conversion attained 10-12% of the initial I; the yields of Pr_2CO (isolated as the semicarbazone, decomp., and distd.) were 20-38% of the reacted I.

N. Thon

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHKIN, A.V.

SATTAR-ZADE, I.S., OCHKIN, A.V., AND FROST, A.V.

"Transformation of Organic Compounds Over Aluminosilicate Catalysts. Report 2"
Vestnik Moskovskogo Universiteta (Seriya Fiziko-matematicheskikh i Yestestvennykh Nauk no. 6), no. 9, 1949

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHKIN, A.V.
Andrey Vladimirovich

Kinetics and reaction mechanism for catalytic cracking on active aluminosilicates. A. V. Frost and A. V. Ochkin. *Problemy Kinetiki i Kataliza, Akad. Nauk S.S.S.R. 5, Geterogennyi Kataliz*, 295-72(1949).—The types of catalytic reactions which can be done with the help of aluminosilicates are reviewed. For the catalytic cracking and disproportionation of H, a theoretical derivation leads to a linear relation between $\tau_0 \ln(1/1 - y)$ and $\tau_0 y$, where τ_0 is the vol. of the reactants entering the reaction zone, and y is the degree of chem. transformation. Exptl. data were in agreement with this relation. For the case of H disproportionation, it was assumed that the adsorption of the light gaseous reaction products can be neglected and that the alkanes are formed from olefins by hydrogenation of the double bonds by a transfer of H from the tars and coke which form on the catalyst. Andrew Devenicks

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

MALIN, K.M., doktor tekhnicheskikh nauk, professor, laureat Stalinskoy premii,;
OCHKIN, A.V., inzhener.

Soda. Nauka i zhizn' 20 no.4:10-12 Ap '53. (MLRA 6:5)
(Soda industry)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHKIN, A.V.

Aleksandr Mikhailovich Butlerov. Nauka i zhizn' 20 no.9:39-40 S '53. (MLRA 6:11)

(Butlerov, Aleksandr Mikhailovich, 1828-1886)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

3407 OCHKIN A. V. AND BLAGOSKLONSKIY, T. I.

Tekhnicheskiy analiz metallov kolorimeticheskim metodom. M., 1954. 28s s chert. 22 sm (Mosk. stankoinstrum. in-t im I.V. Stalina. Kafedra Khimii). 250 ekz B. Ts. (54-57739) 669.543+545.71

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

OCHKIN, A.V

25(1) p.

PHASE I BOOK EXPLOITATION SOV/1439

Spravochnik metallista v pyati tomakh, t. 3, kn. 1 (Metals Engineering Handbook in Five Volumes, Vol. 3, bk. 1) Moscow, Mashgiz, 1958. 560 p. 50,000 copies printed.

Ed. (Title page): V.S. Vladislavlev, Professor (Deceased); Ed. (Inside book): V.I. Krylov, Engineer; Tech. Ed.: T.F. Sokolova; Editorial Board: N.S. Acherkan (Chairman and Chief Ed.), Doctor of Technical Sciences, Professor, V.S. Vladislavlev, Professor (Deceased), A.N. Malov, Candidate of Technical Sciences, S.N. Pozdnyakov, A.Ya. Rostovykh, G.B. Stolbin, and S.A. Chernavskiy; Managing Ed. for Reference Literature: V.I. Krylov, Engineer.

PURPOSE: The book is a reference book for technicians and engineers working in the field of machinery design and in production.

COVERAGE: The book covers the following: engineering specifications, treatment and use of cast iron, steel and carbides, heat treatment of steel and cast iron, specifications, treatment and use of nonferrous metals and nonmetallic materials. I.Z. Yasnogorskiy, V.P. Vologdin, N.V. Geveling are mentioned as

Card 1/14

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

having contributed to this field. There are 137 references of which 121 are Soviet, 13 English, 1 German, 1 Italian and 1 Polish.

TABLE OF CONTENTS:

CAST IRON, STEEL AND SINTERED CARBIDES

Basic Information on Chemistry. D.I. Mendeleyev's Periodic System of Elements (Engineer A.V. Ochkin) 1

Properties of the most important elements and their compounds 1
Properties of inorganic compounds 14
Properties of organic compounds 45
Basic constants of organic solvents 55
Decimal scale of hardness 69
Fire extinguishers 72
Radioactive isotopes 75
The most important radioactive isotopes 76

Methods for Determining the Hardness of Metals 82
Tables of the hardness numbers of metals 86

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Relationships of hardness numbers determined by various methods 89
Conversion of hardness values by the scleroscope method 90
Relationship between Brinell hardness number H_B and ultimate tensile stress σ_{vr} for various metals and alloys 90

Cast Iron Castings (V.M. Shestopal, and B.G. Grinberg, Candidates of Technical Sciences) 92
Mechanical properties 95
Physical and chemical properties 101
Physical properties 101
Chemical properties 103
Heat resistance 104
Technological properties 108

Steel Castings (L.I. Levi, Candidate of Technical Sciences) 117
Classification of steel castings 117
Effect of elements on properties of steel castings 121
Heat treatment of steel castings 126

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Constructional Steels (N.P. Aristov, Candidate of Technical Sciences) 127
Tool Steels (V.S. Vladislavlev, Professor) 166
Classification 166
Carbon tool steels 166
Alloy tool steels 168
Basic steels recommended for manufacture of various kinds of cutting tools 173
Steels recommended for making measuring instruments 177
Steel inspection for nonmetallic inclusions and carbide liquation 179
Steels recommended for making dies for hot working 180
Steels recommended for making dies for cold working 182
Steels for making die casting molds 184
Microstructure of carbon and alloy tool steels at delivery 185
Defects of high-speed steels at delivery and inspection of microstructure 187

Carbide Alloys (V.S. Rakovskiy, Candidate of Technical Sciences) 190
General information 190
Classification of cemented carbide alloys 190
Properties of cemented carbide alloys and of "micanite" [Soviet name for a ceramic material] 191
Applications of cemented carbide alloys 192

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Commercial list of cemented carbide alloy products 193
Survey of surfacing cemented carbides 193
Machining parts surfaced with cemented carbide alloys 194

HEAT TREATMENT OF STEEL AND CAST IRON

Iron-carbon /cementite/ equilibrium diagram (N.P. Aristov, Candidate of Technical Sciences) 197
Macro-and microstructure of iron-carbon alloys 197
Macrostructure 200
Microstructure 203
Grain size of steel 210
Methods of determining grain size 210

Heat-treatment of Steel (Yu.M. Lakhtin, Professor, Doctor of Technical Sciences) 214
Heating of steel for heat treatment 214
Protection of steel from oxydation and decarburization during heating 221

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Grain of austenite 226
Cooling in heat treatment 227
Hardenability of steel 232
Annealing of steel 235
Defects occuring during heat treatment of steel 236
Heating furnaces and heat control instruments 240

Thermo-chemical Treatment (A.N. Minkevich, Candidate of Technical Sciences) 246
Carburizing of steel 246
Pack carburizing of steel 251
Gas carburizing of steel 255
Liquid carburizing of steel 262
Structure and properties of carburized steel 267
Cyaniding of steel 268
Cyaniding of steel in cyanide baths 268
Gas cyaniding of structural steel 273
Structure and properties of cyanided steel 275
Low-temperature cyaniding of high-speed and high-chromium alloyed structural steel 276
Structure and properties of steel subjected to low-temperature cyaniding 278

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Nitriding 278
Anticorrosive nitriding 279
Nitriding alloy steel for surface hardening 283
Methods of nitriding alloy steel 286
Structure and properties of nitirded alloy steel 290
Aluminum cementation (calorizing) 291
Chromium cementation (chromizing) 295
Subzero Treatment (cold treatment) (V.S. Vladislavlev, Professor) 300
Fields of application 300
Essentials of structural transformations in subzero treatment of quenched steels 301
Stabilization of residual austenite in quenched steels 303
Cold treatment of carburized steels 304
Cold treatment of high-speed steels 306

Surface Quench Hardening of Steel (I.N. Kidin, Professor, Doctor of Technical Sciences) 307
Methods of surface quench hardening 307
Surface quench hardening by flame heating 307
Electrolytic quench hardening 308

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Quench hardening with electric resistance heating 310
High-frequency quench hardening 310
Kinetics of induction heating of steel 312
Special features of phase changes in induction heating of steel 312
Process parameters of induction heating in quench hardening 314
Preferred and prohibited regimes of induction heating in quench hardening 315
Tempering after high-frequency quench hardening 317

Heat Treatment of High-speed Steels (V.S. Vladislavlev, Professor) 318
Annealing 318
Quenching 319
Tempering 319
Straightening 319

Corrosion and Methods of Protecting Metals Against It (T.I. Blagosklonskiy, Candidate of Chemical Sciences) 320
Definition and classification of corrosion 320
Corrosion test methods and means of evaluating corrosion 320
Protection of metals against corrosion 323

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

Method of Metal Coating Surfaces by Spraying (N.B. Katts, Candidate of Technical Sciences) 329
Basic equipment 329
The metal coating process 338
Some properties of the coating 344

Sulfidation of the Surfaces of Machine Parts and Instruments (Ye.L. Kirshenshtein, Engineer) 346
Sulfidation process 347
Composition of the bath 347
Results of sulfidation 347
Sulfidation equipment 351

OTHER METALS AND NONMETALLIC MATERIALS

Copper and Copper-base Alloys (A.A. Lunev, Candidate of Technical Sciences) 352
Zinc and Its Alloys (O.Ye. Kestner, Candidate of Technical Sciences) 362

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6

General information and zinc trademarks 362
Physical properties 363
Mechanical properties 364
Chemical properties 366
Applications in engineering 366
Zinc alloys 368

Tin (O.Ye. Kestner) 370
General information and tin trademarks 370
Physical properties 371
Mechanical properties 372
Chemical properties 372
Applications in engineering 373

Lead and Its Alloys (O.Ye. Kestner) 374
General information and lead trademarks 374
Physical properties of lead 377
Mechanical properties 377
Chemical properties 378
Applications in engineering 379
Lead alloys 380

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237730002-6"