

SHTEFKO, I.V., kand.tekhn.nauk

Transportation of freight on trays. Mekh.i avtom.proizv. 14 no.3:
50-53 Mr '60. (MIRA 13:6)

(Transportation--Technological innovations)

SHTEFKO, I.V., kand.tekhn.nauk, RIDEL', E.I., kand.tekhn.nauk

Innovations in the over-all mechanization of loading and unloading
piece freight. Mekh.i avtom.proizv. 14 no.8:34-36 Ag '60.

(MIRA 13:8)

(Loading and unloading--Technological innovations)

SHTEFKO, I.V., kand.tekhn.nauk; RIDEL', E.I., kand.tekhn.nauk

New type of pallets for haulage of factory-packed freight. Zhel.
dor.transp. 42 no.6:70-72 Je '60. (MIRA 13:7)
(Freight handling)

RIDEL', Eduard Ivanovich; ~~SHTEFKO~~, Igor' Vladimirovich; YEFIMOV, G.P., retsen-
zent; TSARENKO, A.P., red.; MEDVEDEVA, M.A., tekhn. red.

[Transportation of palletized loads] Opyt perevozok грузов v iashchich-
nykh poddonakh. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va
putei soobshcheniia, 1961. 47 p. (MIRA 14:7)
(Unitized cargo system)

SHTEFKO, I.V., kand.tekhn.nauk

New types of trays. Mekh. i avtom. proizv. 15 no. 5:43-46 My '61.
(MIRA 14:5)

(Materials handling)

SHTEFKO, I.V., kand.tekhn.nauk

Use of pallets for freight transportation proved to be effective.
Zhel.dor.transp. 43 no.8:35-37 '61. (MIRA 14:8)
(Freight and freightage)

SHTEFKO, I.V., kand.tekhn.nauk

Over-all mechanization of loading and unloading operations
in freight haulage. Mekh.i avtom.proizv. 16 no.2:23-26 F
'62. (MIRA 17:3)

SHTEFKO, I.V., kand.tekhn.nauk (Zhmerinka); KOZLOV, Yu.T., inzh. (Zhmerinka)

Transportation of freight in special containers. Zhel.dor.transp.
44 no.7:66-69 J1 '62. (MIRA 15:8)

1. Zhmerinskoye otdeleniye Yugo-Zapadnoy dorogi (for Kozlov).
(Railroads—Freight) (Containers)

SHTEFKO, I.V., kand.tekhn.nauk

Transportation of containerized piece freight in packages.
Trudy MIIT no.146:156-179 '62. (MIRA 15:12)
(Freight and freightage)

SHTEFKO, I.V.; RIDEL', E.I.; YEFIMOV, G.P., kand. tekhn. nauk,
retsenzent; SHISHKIN, G.S., inzh., red.; MEDVEDEVA, M.A.,
tekhn. red.

[Over-all mechanization of the loading and unloading of
fruit and vegetables] Kompleksnaia mekhanizatsii pogruzki-
vygruzki plodoovoshchei. Moskva, Transzheldorizdat, 1963.
58 p. (MIRA 16:7)
(Loading and unloading) (Fruit--Transportation)
(Vegetables--Transportation)

SHTEFKO, I.V., kand. tekhn. nauk

Use of pallets in centralized freight handling. Zhel. dor.
transp. 45 no.11:68-70 N '63. (MIRA 16:12)

АНТЕРКО, Л.В., инж. техн. наук

Transportation of export-import cargo on pallets. rel. for. transp.
(MIR: 17:11)
46 no. 19:69-71 0 164.

SMORODINOV, M.A., kand. tekhn. nauk; SHTEFKO, I.V., kand. tekhn. nauk;
SHTEFKO, G.M., inzh.

Overall mechanization of the loading and unloading of mineral
fertilizers. Mekh. i avtom. proizvod. 18 no.10:13-17 0 '64.
(MIRA 17:12)

SMORODENOV, M.A., kand.tekhn.nauk; SHTEFKO, I.V., kand.tekhn.nauk; SHTEFKO,
G.M., inzh.

Mechanization of the loading and unloading of mineral fertilizers.
Mekh. i avtom.proizv. 19 no.2:23-27 F '65.

(MIRA 18:3)

SMEKHOV. A.A., kand.tekhn.nauk; SHTEFKO. I.V., kand.tekhn.nauk; SMORODINOV. M.A.,
kand.tekhn.nauk; ARKHANGEL'SKAYA, L.F., inzh.

Construction and operation technology of the base unloading stations
for mineral fertilizers. Zhel.dor.transp. 47 no.10:32-34 0 '65.
(MIRA 18:10)

112-57-7-14235

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 7, p 66 (USSR)

AUTHOR: Shtefter, Ya. I.

TITLE: Determining Optimum Parameters of an Inertial Accumulator
(Opredeleniye optimal'nykh parametrov inertsionnogo akkumulyatora)

PERIODICAL: Tr. Vses. n.-i. in-ta mekhaniz. s. kh. (Transactions of the All-Union Scientific-Research Institute for Mechanization of Agriculture), 1956, Vol 22, pp 92-110

ABSTRACT: Methods for selecting parameters of an inertial accumulator for windmotors are presented. The required accumulator capacity is determined on the basis of studies of wind conditions and load curve. Structural dimensions are selected according to the minimum weight of the disk and minimum friction losses. See also Referativnyy zhurnal, Elektrotehnika, 1957, 12108.

V. R. S.

Card 1/1

SHTEFUN, I. and NOR, R.

"Flight into the Ionosphere," Tekh. Molodzhi, 29, No. 11, pp. 33-35, 1954

Translation U-7537, A-3096, 23 Jul 56

KOLLI, Ye.A.; SHTEGEMAN, N.A.; VINOGRADOVA, N.I. (Moskva)

Thyroid function tests with radiiodine among the population of the region of Abakan railroad construction. Probl. endokr. i gorm. 1 no.5:43-53 S-0 '55. (MLRA 8:10)

1. Iz Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir.--prof. Ye.A. Vasyukova) i Tsentral'noy nauchno-issledovatel'skoy laboratorii gigiyeny i epidemiologii (nach. B.A. Ivanov) Ministerstva putey soobshcheniya.

(THYROID GLAND, function tests

radiiodine, in areas of endemic goiter in Russia)

(IODINE, radioactive,

thyroid funct. test in areas of endemic goiter in Russia)

KOLLI, Ye.A.; SHTEGEMAN, N.A. (Moskva)

Use of radioactive iodine in early diagnosis of thyrotoxicosis
[with summary in English, p.124]. Probl,endok. i gorm. 3 no.1:
35-43 Ja-F '57. (MLRA 10:6)

1. Iz Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. -
prof. Ye.A.Vasyukova)

(HYPERTHYROIDISM, diagnosis,
radiiodine test, early (Rus))

(IODINE, radioactive,
diag. of hyperthyroidism, early (Rus))

KHAVIN, I.B.; SHTEGEMAN, N.A.

Clinical and radioiodine-diagnostic data on thyrotoxicosis and
their comparative evaluation. Probl. endok. i gorm. 7 no.1:56-65
'61. (MIRA 14:3)

(HYPERTHYROIDISM)

(IODINE--ISOTOPES)

GAL'FI, Ya.; SHTEGENA, L.

Structure of the earth's crust in Hungary. Geol. zhur. 20
no. 3:42-46 '60. (MIRA 14:4)
(Hungary--Earth--Surface)

SHLEGMAN, B. K.

"The History of the Formation of the Delta of the River Ibya," Iz Akad Nauk Kazakhsk SSR, Seriya Pochen No 28, Issue 3, 1946 (132-143).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

SHTEGMAN, B.K.

Method for making a count of muskrats. Izv.AN Kazakh.SSR.Ser.
zool.no.6:23-30 '47. (MIRA 9:6)
(Muskrats)

SHTEGMAN, B.K.

Typing bodies of water in the Ili Delta relative to the biology
of the muskrat. Izv.AN Kazakh.SSR.Ser.zool.no.6:31-34 '47.
(Ili Valley--Muskrats) (MLRA 9:6)

SHTEGMAN, B.

"Guide to birds of the Armenian S.S.R." S.K. Dal', G.V. Sosin.
Reviewed by B.Shtegman. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 1
no.3:299-302 '48. (MLRA 9:8)
(Armenia--Birds) (Dal', S.K.) (Sosin, G.V.)

SHTEGMAN, B. K.

Shtegman, B. K. "The geographical variability of the ^{geatsacker} kozodoy, Caprimulgus
europaeus L.", Oldirana prirody, 1948 (on the cover: 1949), No. 6, p. 103-14.

SC: U-3231, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).

SHTEGMAN, B. K.

Shtegman, B. K. "A. Y. Tugarinov," (Ornithologist, an obituary) Trudy Almat. gos. zapovednika, Issur 7, 1948, p. 3-4

SO: U-1034, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

SHTEGMAN, B.K.

Occurrence and development of pink pink pigment in certain birds.
Izv.AN Kazakh.SSR.Ser.zool. no.7:126-127 '48. (MLRA 9:5)
(Color of birds)

SHEEGHAN, B. K.

Shtegman, B. K. "On the speed in flight of certain birds," Trudy Almaat. gos. zapovednika, Issue 7, 1948, p. 147-48

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

SHEGEMAN, B. K.

Shtegman, B. M. - "On the distant migrations of wrens in the Tyan' Shan oblast."
Trudy Almat. gos. zapovednika, Issue 7, 1948, p. 151-52

SO: U-1034, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey. No. 10, 1949)

SHITEGMAN, B. K.

Shitegman, B. K. "Problem on the formation of terraces," Trudy Almaat. gos. zapovednika, Issue 7, 1948, p. 155 -56

SO: U-4934, 29 Oct 53, (Letopis 'zhurnal 'nykh Statey, No. 16, 1949).

SHTEGMAN, B.K.

History of the formation of the Ili river delta. Geog. sbor. 1:133-150
'52. (MLBA 6:7)

(Ili river--Delta)

1. SHTEGMAN, B. K.
2. USSR (600)
4. Rallidae
7. Flying ability of gruiform birds. Zool zhur. 31 no. 5, 1952.

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

SHTEGMAN, B.K.

Peculiarities of flight characteristics of the Corvidae. Zool.
zhur. 33 no.3:653-668 My-Je '54. (MLRA 7:7)

1. Kazakhstanskoye otdeleniye Vsesoyuznogo nauchno-issledova-
tel'skogo instituta okhotnich'yego promysla (VNIO)
(Flight) (Crows)

SHTEGMAN, B. K.

Birds of the high plains of the Trans-Ili Ala-Tau. Trudy Len.ob-va
est. 72 no.4:255-276 '54. (MIRA 8:11)

1. Kazakhskaya respublikanskaya stantsiya zashchity rasteniy, Alma-Ata
(Trans-Ili Ala-Tau--Birds)

SHTEGMAN, B.K.

Adaptive characteristics and phylogenetic correlations of the
Corvidae. Zool.zhur. 34 no.6:1357-1378 N-D '55. (MLRA 9:1)

1. Kazakhstanskoe otdeleniya Vsesoyuznogo nauchno-issledovatel'skogo
instituta okhotnich'yego promysla.

(Crows)

SHTEGMAN, B.K.

Measures for controlling sparrows in Kazakhstan [with English
summary in insert]. Zool.zhur.35 no.8:1203-1213 Ag '56.
(MLRA 9:10)

1.Nauchno-issledovatel'skaya biologicheskaya stantsiya "Berck"
AN SSSR.
(Kazakhstan--Sparrows)

SHTEGMAN, B.K.

AUTHOR: Shtegman, B.K., Doctor of Biological Sciences 26-10-16/44

TITLE: Life in the Zone Below the Permanent Snow Line (Zhizn' v subnival'noy zone)

PERIODICAL: Priroda, 1957, No 10, pp 93-95 (USSR)

ABSTRACT: The author gives an account of animal life as seen by him in the mountains of Asia. Just below the zone of eternal snow, in the so-called "subnival" zone traces of life were detected. In the Alatau mountains and on the Kirgiz range at altitudes of 3,300 - 3,400 m spots of alpine meadows were found and a few insects, in the first place orthoptera. In pools and small lakes formed by glaciers, the author discovered larvae of caddis flies and mosquitoes. Groups of field voles were encountered at altitudes of 3,000 - 3,500 m. Higher up, the number of mammals is very small, while bird nests are found more frequently, although the birds themselves, like the griffon vulture and the bearded vulture, find their food in lower zones. But two kinds of birds, the *Prunella collaris* and the *Tichodroma muraria* build their nests and live at altitudes of 3,500 - 3,700 m. They feed on small black spiders which are found there in considerable quantities. The spiders in their turn feed on primitive flying insects that

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Life in the Zone Below the Permanent Snow Line

26-10-16/44

are brought up to those regions by air currents from Lower zones.

There are 2 photos.

ASSOCIATION: Institute of the Biology of Water Reservoirs (Institut biologii vodokhranilishch), Yaroslavskaya oblast;

AVAILABLE: Library of Congress

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SHTEGMAN, B.K.

Characteristics of pigeon flight [with summary in English]. Zool. zhur.
36 no.2:265-274 F '57. (MLBA 10:6)

1. Institut biologii vodokhranilishch Akademii nauk SSSR.
(Pigeons) (Flight)

SHTEGMAN, B.K.

Characteristics of the flight of sand grouse [with summary in German].
Zool.zhur. 36 no.10:1521-1529 0 '57. (MIRA 10:11)

1. Institut biologii vodokhranilishch AN SSSR.
(Grouse) (Flight)

SHTEGMAN, B.K.

Some features in the structure of the shoulder girdle in pigeons and sand grouse and functional significance of the clavicle in birds [with summary in German]. Biul. MOIP. Otd.biol. 62 no.5:45-56 S-O '57. (MIRA 10:11)

(SHOULDER GIRDLE) (CLAVICLE) (BIRDS--ANATOMY)

SHTEGMAN, B. K., and GLADKOV, N. A.

"On the Regularity of the Distribution of Mammals and Birds, Using the Example of "Palearktika."

report presented at Conference on Dry Land Zoogeography, L'vov, 1-4 June 1957 (Izv. Ak Nauk Ser. Geog. 1958, No. 2, p 155, author: VORONOV, A. G.).

SHTEGMAN, B.K.

Some structural characteristics of the skeleton in pigeons and sand
grouse. Uch. zap. Mosk. un. 197:189-206 '58. (MIRA 11:9)
(Bones) (Pigeons) (Grouse)

PAVLOVSKIY, Ye.N., akademik, otv.red.; AKATOVA, N.A., red.izdaniya;
SHEGEMAN, B.K., red.izdaniya; ZHADIN, V.I., red.; KUZIN, B.S.,
red.; KUZNETSOV, S.I., red.; KEL'NER, A.G., red.

[Transactions of the Sixth Conference on Problems of the
Biology of Inland Waters (June 10-19, 1957)] Trudy VI so-
veshchaniia po problemam biologii vnutrennikh vod.(10-19
iiunia 1957 g.) Moskva, Izd-vo Akad.nauk SSSR, 1959. 659 p.
(MIRA 12:8)

1. Soveshchaniye po problemam biologii vnutrennikh vod. 6th,
1957. 2. Zoologicheskii institut AN SSSR (for Zhadin).
(Fresh-water biology--Congresses)

SHEGMAN, B.K.

Murine rodents and their populations in the southern shore area of Rybinsk Reservoir in 1955 and 1956. Trudy Inst. biol. vodokhran. no.1: 342-357 '59. (MIRA 13:2)

(RYBINSK RESERVOIR REGION--RODENTS AS CARRIERS OF DISEASE)
(HEMORRHAGIC FEVER)

SHTEGMAN, B.K.

Nesting of the lammergeier in the Tien Shan. Ornitologia
no.2:214-217 '59. (MIRA 14:7)
(Issyk-Kul' region--Lammergeiers) (Birds--Eggs and nests)

SHTEGMAN, B.K.

Some structural features of the skull and the vertebral column
in pigeons and sand grouse. Zool.zhur. 38 no.7:1049-1059
J1 '59. (MIRA 12:10)

1. Institute of Biology of Water Reservoirs, Academy of Sciences
of the U.S.S.R. (Yaroslavl region, Nekouza District). . .
(Pigeons) (Grouse) (Bones)

SOV/20-126-2-57/64

17(4)

AUTHORS: Gusev, V. M., Shtegman, B. K.

TITLE: First Data Concerning the Nestling of the Indian Falco Jugger Gray Within the Boundaries of the USSR (Pervyye dannyye o gnezhdovanii indiyского balobana v predelakh SSSR)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 2, pp 432-434 (USSR)

ABSTRACT: The authors describe the development of the knowledge as to the occurrence of the following falcon species: Falco biarmicus feldeggi Schleg., F. cherrug Gray and F. jugger Gray in the south of the USSR and in a wider range in the adjacent regions (Ref 1). The fact that the nestling of the last (Indian) species was observed in Daghestan by members of the expedition of the institute mentioned in the Association (1952) and by V. M. Gusev (1957) showed that it belongs to F. jugger, not to Falco cherrug which nests in the unwooded parts of Predkavkaz'ye (Ciscaucasia), Kavkaz (Caucasus), and Zakavkaz'ye (Transcaucasia), in the steppe- and wood steppe zone of the European part of the USSR, in South Siberia, Kazakhstan, and Srednyaya Aziya (Sov.Centr.Asia). The falcons first mentioned are smaller and darker than F. cherrug. This observation is

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SOV/20-126-2-57/64

First Data Concerning the Nestling of the Indian Falco Jugger Gray Within the Boundaries of the USSR

quite surprising in view of the hitherto known distribution of *F. jugger*. The mode of life of this species, up to date not well investigated, was described in detail by the aforesaid expedition: *F. jugger* nests in trees in lowland forests (tugai), approximately in a height of 9 - 22 m. They do not build nests by themselves but use nests which before belonged to crows or *Corvi frugilegi*. One of them was found in the middle of a colony of *Corvi frugilegi*. It was difficult to watch the breeding falcons. They flew away when the men approached the nest by 2 - 3 m, and returned very soon. Shots at the crows, even fired from a distance of only 50 m from the nest did not disturb the breeding falcons. The nutrition of the *F. jugger* consists in mammals and birds: small Spermophili, water rats (*Arvicola amphibius*), small hares, and even *Spalax giganteus*. *Corvi frugilegi*, crows, jackdaws, magpies, turtle-doves, but also sparrows, and several other small birds (totally 24 species) were identified on the strength of the nutrition remainders. A reptile was found as well which served as food: *Ophisaurus apodus*. There are 9 references, 4 of which are Soviet.

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SOV/20-126-2-57/64

First Data Concerning the Nestling of the Indian Falco Jugger Gray Within
the Boundaries of the USSR

ASSOCIATION: Institut biologii vodokhranilishch Akademii nauk SSSR
(Institute of the Biology of Reservoirs of the Academy of
Sciences USSR).
Nauchno-issledovatel'skiy protivochumnyy institut Kavkaza
i Zakavkaz'ya, g. Stavropol'
(Scientific Antiplague Research Institute of the Caucasus
and Transcaucasia, City of Stavropol')

PRESENTED: February 6, 1959, by Ye. N. Pavlovskiy, Academician

SUBMITTED: January 30, 1959

Card 3/3

MORDUKHAY-BOLTOVSKOY, Filaret Dmitriyevich; KUZIN, B.S., otv.red.;
SHTEGMAN, B.K., red.; KOZLOVA, G.I., red.izd-va; BOCHEVER,
V.T., tekhn.red.

[Caspian fauna in the Azov-Black Sea Basin] Kaspiskaiá fauna
v Azovo-Chernomorskom basseine. Moskva, Izd-vo Akad.nauk SSSR,
1960. 286 p. (MIRA 13:10)

(Black Sea--Marine fauna)
(Azov, Sea of--Marine fauna)

SHTEGMAN, B.K.

Biology of the little European owl (*Athene noctua* Scop.) in the southern part of the Balkhash region. *Ornitologia* no.3:315-318 '60.

(MIRA 14:6)

(Balkhash region--Owls)

SHTEGMAN, B.K.

Structural characteristics of hind limbs in pigeons and sand
grouse and some features of their adaptation to walking.
Trudy Probl. i tem. sov. no.9:304-316.'60. (MIRA 13:9)

1. Institut biologii vodokhranilishch Akademii nauk SSSR.
(Birds--Anatomy) (Animal locomotion)

SHTEGMAN, B.K.

"Birds of Kirghizistan" by A.I. Ianushevich and others.
Reviewed by B.K. Shtegman. Zool. zhur. 39 no. 10:1585-1587
0 '60. (MIRA 13:11)

(Kirghizistan--Birds)

(Ianushevich, A.I.)

SHTEGMAN, B.K.

Rudiment of the distal oar feather in the wing of birds. Trudy zool.
inst. 29:227-256 '61. (MIRA 14:6)
(Wings) (Birds--Anatomy)

SHTEGMAN, B.K.

Basic trends in the development of flight capabilities in plovers.
Zool. zhur. 41 no.4:591-602 Ap '62. (MIRA 15:4)

1. Institut biologii vodokhranilishch Akademii nauk SSSR, Borok,
Nekouzskogo rayona Yaroslavskoy oblasti.
(Plovers)

KUZNETSOV, Sergey Ivanovich; ROMANENKO, Vitaliy Ivanovich; KUZIN, B.S.,
otv. red.; SHTEGMAN, B.K., red.; STRELKOV, A.A., red. izd-va;
AREF'YEVA, G.P., ~~tekhn.~~red.

[Microbiological study of inland bodies of water; a laboratory
manual] Mikrobiologicheskoe izuchenie vnutrennikh vodoemov;
laboratnoe rukovodstvo. Moskva, Izd-vo Akad. nauk SSSR,
1963. 128 p. (WATER--MICROBIOLOGY) (MIRA 16:4)
(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

KUZIN, B.S., doktor biol. nauk, glav. red.; SHTEGMAN, B.K., doktor
biol. nauk, red.; STRELKOV, A.A., red. izd-va; AREF'YEVA,
G.P., tekhn. red.

[Materials on the biology and hydrology of Volga reservoirs]
Materialy po biologii i gidrologii volzhskikh vodokhranilishch;
sbornik statei. Moskva, 1963. 142 p. (MIRA 16:7)

1. Akademiya nauk SSSR. Institut biologii vnutrennikh vod.
(Volga Valley—Hydrobiology)

KUZIN, B.S., doktor biol. nauk, glav. red.; SHTEJMAN, b.K.,
doktor biol. nauk, red.

[Biology of Dreissena and its control] Biologiya dreisseny
i bor'ba s nei; sbornik statei. Moskva, Nauka, 1964. 134 p.
(MIRA 18:2)

1. Akademiya nauk SSSR. Institut biologii vnutrennykh vod.

IVANOV, Aleksandr Ivanovich.; SHTEGMAN, Boris Karlovich; PAVLOVSKIY,
Ye.N., akademik, glavnyy red.; STRELKOV, A.A., red.;
BYKHOVSKIY, B.Ye., red.; GROMOV, I.M., red.; MONCHADSKIY,
A.S., red.; SKARLATO, O.A., red.; SHTAKEL'BERG, A.A., red.

[A concise guide to the birds of the U.S.S.R.]. Kratkii
opredelitel' ptits SSSR. Moskva, Nauka, 1964. 527 p.
(Opredeliteli po faune, no.85). (MIRA 17:10)

SHTEGMAN, E.A.

Morphology of distal parts of a bird wing. *Zool. zhur.* 44 no.3:423-
433 1955. (MIRA 18:8)

1. Institut biologii i zhivotnykh resursov Akademi nauk SSSR, Borok,
Nekouzskogo rayona, Yaroslavl'skoy oblasti.

L 14638-66 ETC(f)/EPF(n)-2/EWG(m)/EWP(t)/EWP(b) IJP(c) JD/WW
ACC NR: AP6008150 SOURCE CODE: PO/0046/65/010/008/0503/0512

AUTHOR: Rutkowski, Wladyslaw--Rutkovski, V.; Szteke, Witold--Szteke, V.; 40
Wieczorkowski, Mariusz--Vechorkowski, M. B

ORG: Department of Atomic Fuels and Construction Materials, Institute of Nuclear
Research, Swierk (Zaklad Paliw Jadrowych i Materialow Konstrukcyjnych, Institut
Badan Jadrowych)

TITLE: Dispersion-type fuel element for EWA reactor

SOURCE: Nukleonika, v. 10, no. 8, 1965, 503-512

TOPIC TAGS: reactor fuel element, uranium compound, magnesium, nuclear reactor

ABSTRACT: In connection with investigations on dispersion-type fuels for
experimental and university reactors, the technology of EK-10 elements with UO₂-
Mg dispersion cores was studied. Investigation and production data for these fuel
rods are presented. Orig. art. has: 7 figures. NA

SUB CODE: 18 / SUBM DATE: 31May65 / ORIG REF: 006 / OTH REF: 005

Card 1/1

~~SHTEKELIS, R.I., dotsent; BOTSMAN, N.Ye., kand.med.nauk; DERBARENDINER, S.V.~~

Pulmonary and extrapulmonary complications in primary lung cancer.
Vrach.delo no.7:713-717 J1 '59. (MIRA 12:12)

1. Gospital'naya terapevticheskaya klinika (zav. - prof. A.A. Oks)
pediatricheskogo i sanitarno-gigiyenicheskogo fakul'tetov Odesskogo
meditsinskogo instituta na baze oblastnoy klinicheskoy bol'nitsy.
(LUNGS--CANCER)

DUBOVYY, Ye.D.; SHTEKELIS, R.I.; DZYUBA, Yu.Ya.

Experience in the treatment of angina pectoris with radioactive iodine:
immediate and late results. Med. rad. 9 no.3:32-37 Mr '64.

(MIRA 17:12)

1. Kafedra rentgenologii i radiologii (zav. - prof. Ye.D.Dubovyy) i
kafedra fakul'tetskoy i gospital'noy terapii pediatricheskogo fakul'-
teta (zav. - prof. A.A.Oks) Odesskogo meditsinskogo instituta imeni
N.I.Firogova.

1. SHEKHEVICH, L. YE., BRESLER, I. D., SHAYTSER, YE. G.
2. USSR (600)
4. Bobbins (Textile Machinery)
7. New designs for shuttle bobbins. Tekst. prom. 12, no. 12, 1952.

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

MOKSHANTSEV, K.B.; GORNSHTEYN, D.K.; GUSEV, G.S.; DENGIN, E.V.;
SHTEKH, G.I.; KOZYGIN, Yu.A., *otv. red.*

[Tectonic structure of the Yakut A.S.S.R.] Tekhnicheskoe stronei Iakutskoi ASSR. [By] K.B.Mokshantsev i dr. Moskva, Nauka, 1964. 289 p. (MIRA 18:1)

1. Chlen-korrespondent AN SSSR (for Kosygin).

MOKSHANTSEV, K.B.; GORNISHTEYN, D.K.; GUSEV, G.S.; DEN'GIN, E.V.;
SHEKH, G.I.; KOSYGIN, Yu.A., otv. red.

[Tectonic pattern of the Yakut A.S.S.R.] Tektonicheskoe
stroenie Iakutskoi ASSR. [By] K.B.Mokshantsev i dr. Mo-
skva, Nauka, 1964. 289 p. (MIRA 18:2)

1. Akademiya nauk SSSR. Yakutskiy filial, Yakutsk.
2. Chlen-korrespondent AN SSSR (for Kosygin).

SHTERN, G.M. [Russian]; KOSOBANTSEV, K.B., otv. red.

[Subsurface structure and the history of the tectonic
development in the Vilyuy Lowland] Glubinnoe stroenie i
istoria tektonicheskogo razvitiia Viliuiskoi vpadiny.
Moskva, Nauka, 1965. 123 p. (MIRA 18:12)

SHEKHER, M.S., kand.tekhn.nauk, dots., red.; LATYNIN, Ye.V.,
inzh., red.; STARYKH, A.P., red. izd-va; ROZHIN, V.P.,
tekhn. red.

[Working processes of heat engines] Rabochie protsessy te-
plovykh dvigatelei. Moskva, Oborongiz, 1962. 134 p.
(MIRA 15:9)

(Gas and oil engines)

SHTEKHER, S.G.

Mitotic activity in different parts of the epidermis of birds during the process of individual development. Dokl. Akad. Nauk SSSR 140 no.4:974-977 0 '61. (MIRA 14:9)

1. Leningradskiy pedagogicheskiy institut im. A.N.Gertsena.
Predstavleno akademikom Ye.N.Pavlovskim.
(Epidermis) (Karyokinesis) (Birds--Physiology)

SHTEKHER, S. M.

10

USSR

Heat of combustion of heterocyclic compounds. I.
Methods. S. M. Skuratov, A. A. Strepikheev, O. N.
Kachinskaya, S. M. Shtekher, and E. P. Brykina. *Uchenye
Zapiski Mosk. Gosuniv. Univ.* No. 164, 73-85 (1953);
Referat. Zhur. Khim. 1954, No. 37433. — The set-up for this
detn. comprising a new calorimetric bomb and special ther-
mometers used are described. M. Hosen

SHTEKHER, S. M.

USSR/ Chemistry - Organic chemistry

Card 1/1 Pub. 22 - 33/62

Authors : Strepilkeyev, A. A.; Skuratov, S. M.; Shtekher, S. M.; Muromova, R. S.;
Brykina, Ye. P.; and Kachinskaya, O. N.

Title : Interaction of amino- and carboxyl groups in amino acids

Periodical : Dok. AN SSSR 102/3, 543 - 545, May 21, 1955

Abstract : It is known that the interaction of atoms in a molecule or the interaction of molecules in a substance in different phase and states of aggregation is one of the most important factors in determining the properties of chemical compounds including their reactivity. Results obtained during the determination of heats of combustion of several amino acids of the fatty series having the amino group in different arrangements relative to the carboxyl are presented. The interaction of amino and carboxyl groups in amino acids was also used as a basis in determining the heat of combustion of salts of alkylenediamines with alkylenedicarboxylic acids. Three references: 2 USSR and 1 French (1927-1954). Tables,

Institution : The M. V. Lomonosov State University, Moscow

Presented by: Academician I. L. Knunyants, December 13, 1954

SKURATOV, S.M.; STREPIKHEYEV, A.A. [deceased]; SHTEKHER, S.M.; VOLOKHINA,
A.V.

Polymerization enthalpy of cyclic formals. Dokl. AN SSSR 117 no.2:
263-265 N '57. (MIRA 11:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom A.A. Balandinym.
(Enthalpy) (Acetals)

SKURATOV, S.M.; SHTEKHER, S.M.

Heat of combustion of cycloheptanone. Khim.nauk i prom. 3
no.5:688 '58. (MIRA 11:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Cycloheptanone) (Heat of combustion)

5(3,4)
AUTHORS:

Shtekker, S. K., Skuratov, S. K.,

TITLE:

Heats of Combustion of Some Branched Alkanes

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 4, pp 574-576 (USSR)

ABSTRACT:

The authors describe the use of additive schemes for calculating the values of physico-chemical properties of hydrocarbons for which experimental values are missing. In the molecules of the simplest hydrocarbon group, i.e. the alkanes, there are simple C-C and C-H bonds. But as regards their contributions to certain physico-chemical properties, all these bonds cannot be considered equivalent. A scheme built up on such assumptions would be very simple, yet it is known to be incapable of reflecting the differences of the properties between the isomers. Hence, it is unavoidable to establish a more careful classification of these bonds. A number of additive schemes are presently available which - with a certain accuracy - permit the calculation of the heats of combustion (besides other properties) of alkanes (Refs 1-10). The most logical scheme was developed by V. M. Tatevskiy (Ref 5). The authors are criticising the latter

Card 1/3

Card 2/3

... molecule. ... heats of ... these C-atoms are ... with the ... structures ... and (3) explain the ... laboratory for thermodynamiki ... University for Thermodynamics of the ... substances mentioned below, ... already been determined by ... (Ref 15). Table ... For the ... described the ...

Heats of Combustion of Some Branched Alkanes

SOV/20-127-4-23/60

the values calculated by a scheme developed by V. K. Tatevskiy, but also the difference Δ . Herefrom it may be seen that all hydrocarbons whose molecules contain a group of two quaternary C-atoms, separated by a CH_2 group, show experimental values of the heat of combustion diverging from the values calculated by about 5 ± 1 kcal/mol. This value must be taken into consideration for calculations according to Tatevskiy. If, however, the 2 quaternary C-atoms are separated by 2 CH_2 -groups, the two values are concordant, as was to be expected within the limits of the experimental error. L. V. Fedorchuk and I. Baukh participated in these investigations. There are 1 table and 15 references, 6 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

PRESENTED: April 13, 1959, by A. M. Kesmeyanov, Academician

SUBMITTED: April 10, 1959

Card 3/3

28290

S/076/61/035/010/009/C15
B106/B101

11.1210
11.0132

AUTHORS: Kozina, M. P., Skuratov, S. M., Shtekher, S. M., Sosnina, I. Ye., and Turova-Polyak, M. B.

TITLE: Combustion heats of some bicyclanes

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 10, 1961, 2316-2321

TEXT: The authors determined the combustion heats of some bicyclic hydrocarbons with rings of 5, 6, and 7 members at 25°C. Only one series of publications exist on this subject which did not indicate either the measuring methods applied or the dependability of the results obtained (Ref. 3: (a) J. A. Goodman a. P. H. Wise, J. Amer. Chem. Soc., 73, 850, 1951; (b) K. T. Serijan a. P. H. Wise, J. Amer. Chem. Soc., 73, 4766, 5191; 74, 365, 1952; (c), (d) see below). The following hydrocarbons were examined: dicyclopentyl, dicyclopentyl methane, cyclopentyl cyclohexane, cyclopentyl cycloheptane, dicycloheptyl, trans-β-methyl decalin. The hydrocarbons were purified chromatographically on silica gel of the type KCM(KSM), then subjected to fractional vacuum distillation and finally subjected to chromatography on silica gel for another 2 or 3 times. Their
Card 1/6

28290

S/076/61/035/010/009/015
B106/B101

Combustion heats of some ...

purity was determined by a cryoscopic method developed by A. G. Anikin, Ya. I. Gerasimov, and G. M. Dugacheva (Ref. 8: Dokl. AN SSSR, 110, 576, 1950). The calorimetric bomb used (Fig. 2) was designed by the thermo-khimicheskaya laboratoriya MGU (Thermochemical Laboratory of Moscow State University), and had the following advantages as compared to other types of bombs: lower thermal inertness, simple and dependable valve construction for introducing and removing the gases, and insulated ignition wires resistant to the flame of the burning substance. The bomb was filled with oxygen free from combustion impurities to a pressure of 30 atm. Temperature of the calorimeter was measured by a specially designed thermometer allowing readings of an accuracy of 0.0002°C. Correction for the heat exchange was calculated according to the formula by Regnault-Pfaundler-Usov, and did not exceed 1% of the temperature ascent. The caloric value of the calorimeter system was determined by burning benzoic acid produced by the Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im. D. I. Mendeleeva (All-Union Scientific Research Institute of Metrology imeni D. I. Mendeleev). The weight of the burned substance was found by determining the quantity of carbon dioxide produced by combustion. Carbon dioxide was absorbed by ascarite and its quantity determined by weighing ✓

Card 2/6

28290

S/076/61/035/010/009/015

B106/B101

Combustion heats of some ...

n = number of carbon atoms in the alkyl radical); combustion heats of bicyclanes separated by a methylene group, i.e., compounds of the type $X-CH_2-Y$ (X, Y = radicals of the corresponding monocyclanes):

$-\Delta H_{comb}^{25} = (\Delta H_X + \Delta H_Y) - 60.1 + 155.3$ kcal/mole ($\Delta H_X, \Delta H_Y$ = combustion heats of the corresponding monocyclanes; 155.3 = increment of the CH_2

group bound to two rings); isomerization enthalpies for the liquid state at 25°C: dicyclopentyl to trans-decalin ($\Delta H_{is}^l = -13.2$ kcal/mole);

cyclopentyl cyclohexane to trans- β -methyl decalin ($\Delta H_{is}^{ll} = 8.2$ kcal/mole);

dicyclopentyl methane to trans- β -methyl decalin ($\Delta H_{is}^{lll} = -14.2$ kcal/mole).

There are 2 figures, 4 tables, and 15 references: 6 Soviet and 9 non-Soviet bloc. The three most recent references to English-language publications read as follows: J. B. Greenshields a. F. D. Rossini, J. Res. Nat. Bur. Standards, 62, 271, 1958; Ref. 3: (c) R. M. Caves, R. L. McLaughlin a. P. H. Wise, J. Amer. Chem. Soc., 76, 522, 1954; (d) J. H. Lamneck, jr, a. P. H. Wise, J. Amer. Soc., 76, 5108, 1954.

Card 4/6

SKURATOV, S.M.; SHTEKHEL, S.M.

Refinement of the values of constants in V. I. L'vovskii's scheme
for the calculation of the heats of combustion of alkanes. Dokl.
AN SSSR 137 no. 1:109-110 Ir-Ap '61. (I.A. 14:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom A.A. Balandinym.
(Paraffins) (Heat of combustion)

KOLBISOV, V.I.; MISHENOV, A.M.; SHTEINER, S.M.; SKURATOV, S.M.

Standard enthalpy of formation of 1,1-difluoroethylene and
trifluoroethylene. Zhur. fiz. Khim. 36 no.9:2078-2081 S 162.
(MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

LEPAYEV, D.A.; SHTEKHMAN, N.Ya.; KOMAROVA, V.V., red.; KHARITONOVA,
L.N., tekhn. red.

[Repair of electric and mechanical razors and hair clip-
pers] Remont elektricheskikh i mekhanicheskikh britv i ma-
shinok dlia strizhki volos. Moskva, Gosmestpromizdat, 1962.
63 p. (MIRA 15:7)
(Razors) (Haircutting--Equipment and supplies)

LEPAYEV, D.A ; SHEKHMEN, N.Ya.; KONARDOVA, T.F., red.; TRUSOV, N.S.,
tekhn. red.

[Use and repair of electric appliances at home]Ekspluatatsia i
remont bytovykh elektropriborov v domashnikh usloviakh. Mo-
skva, Gosmestpromizdat, 1962. 94 p. (MIRA 16:1)
(Electric motors--Maintenance and repair)
(Electric apparatus and appliances)

USSR/Human and Animal Physiology. The Nervous System

T-12

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65617

Author : Ugryunov V.M., Suponitskaya M.A., Shtekhter S. Ye.,
Mityashin P.D., Maximov V.P.

Inst : -

Title : A New Method for Measuring the Pressure of the Cerebrospinal
Fluid

Orig Pub : Vopr. neyrokhirurgii, 1957, No 3, 52-55

Abstract : A compensation principle for measuring the pressure of the cerebrospinal fluid is proposed. An elastic membrane divides a compensator receiver into two chambers. One of them communicates with a needle, and the other with an inflatable balloon, a manometer and an outlet orifice. When the air pressure is turned on, the membrane is deflected from the outlet orifice, and the starting pressure is established in the chamber. The dynamics of the pressure in the air chamber correspond to the fluctuations of the pressure being measured, and are determined by the manometer

Card : 1/2

. SHTEKKER, G.A.

YAKOVLEV, S.V., kandidat tekhnicheskikh nauk; KARELIN, Ya.A.; MASLENNIKOV, N.A.; SHTEKKER, G.A., inzhener, redaktor; GOLUBENKOVA, L.A., redaktor; DAKHNOV, V.S., tekhnicheskiy redaktor

[Auxiliary installations in sewage purification stations] Vspomogatel'nye ustroystva ochistnykh kanalizatsionnykh stantsii. Pod red. S.V.Iakovleva. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1955. 176 p. (MLRA 8:7)
(Sewage--Purification)

SHTEKKER, O.

13

Plastication of asphalt-pitch masses... O. Shchegol.
J. Chem. Ind. (U. S. S. R.) 10, No. 22, 22-21 (1941).
Addn. of 0% halowax to the asphalt-pitch mixt. improves
the properties, especially for automobile battery cases
which are exposed to extreme cold. H. M. Leicester

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

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KAL'YANOV, M.A.; SHTEKKER, O.A.

Method of determining the plasticity of acetyl cellulose etrol (a plastic material). Khim.prom.no.3:81-82 Mr'47. (MIRA 8:12)

1. Nachal'nik Nauchno-issledovatel'skoy laboratorii Vladimirskogo khimicheskogo zavoda (for Shtekker) 2. Inzhener Nauchno-issledovatel'skoy laboratorii Vladimirskogo khimicheskogo zavoda (for Kal'yanov)
(Plastics)

SHTEKKER, O.A.

Condensation products of aliphatic diamines and mono-carboxylic acids. I. R. Losev, O. Ya. Fedotova, O. A. Shtekker, and V. G. Pincul'tsyna. U.S.S.R. (68,549), Aug. 25, 1967. Aliphatic diamines, e.g. hexamethylene diamine, are condensed with fatty acids contg. 5-9 C atoms and obtained by the oxidation of paraffins. The condensation products are suitable as stabilizers and softeners for poly(vinyl chloride) and polyamide resins. M. Hosh...

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Am 5/8

SHTEKKEB, O.

Power of a group. Okhr.truda i sots. strakh. 3 no.4:32-34
Ap '60. (MIRA 13:6)

1. Predsedatel' komissii okhrany truda Vladimirskego khimicheskogo
zavoda.
(Vladimir--Chemical industries--Hygienic aspects)

S/191/62/000/005/002/012
B110/B101

AUTHORS: Popova, Z. V., Yanovskiy, D. M., Tatevos'yan, G. O.,
Shtekker, O. A.

TITLE: The effect of polyvinyl chloride decomposition inhibitors
on the decomposition kinetics and light-fastness of poly-
vinyl chloride plasticate

PERIODICAL: Plasticheskiye massy, no. 5, 1962, 3-6

TEXT: Attempts were made to increase the stability of PVC by adding the following inhibitors which do not bind HCl: (1) phenols, (2) aromatic hydroxy ketones, (3) products of the autocondensation of cyclohexanone, and (4) esters of benzoic and salicylic acid. The following substances were investigated: 2,4-dihydroxy benzophenone (I), 2-hydroxy-4-methoxy benzophenone (II), diphenylol propane (III), 2,2-bis-(3-methyl-4-hydroxy-phenyl)-propane (IV), 1,1-bis-(4-hydroxy phenyl)-cyclohexane (V), 2,2',4,4'-tetrahydroxy adipyl phenone (VI), 2,2',4,4'-tetrahydroxy sebacyl phenone (VII), dodecahydrotriphenylene (VIII), the product from the autocondensation of three molecules cyclohexanone (IX), the product from the autocondensation of three molecules cyclohexanone (IX), the product from the autocondensation of three molecules cyclohexanone (IX).

Card 1/3

S/191/62/000/005/002/012
B110/B:01

The effect of polyvinyl chloride ...

sation of six-molecules cyclohexanone (X), resorcin dibenzoate (XI), resorcin disalicylate (XII), phenyl salicylate (XIII), and β -naphthoxy propene oxide (XIV). The effect of these substances on the stability of powders and plasticized films was determined: (1) according to the decrease of heat resistance of PVC after ultraviolet irradiation, (2) by comparing the rate of separation of HCl during heating of stabilized and nonstabilized PVC before and after ultraviolet irradiation. A measure of the aging stability was afforded by the length of time elapsing before brittleness appeared in the 180° bending test, as well as by the time of irradiation at which the rupture elongation dropped by 50%. IX, X and XIV delayed dehydrochlorination effectively, VI and VII only slightly: concentrations: IX = 0.064, X = 1.130, XIV = 0.050, VI = 0.082, VII = 0.096 g per 10 g PVC; setting in of decomposition: IX = 150°C, X = 158°C, XIV = 169°C, VI = 154°C, VII = 157°C; separated amount of HCl before irradiation (mg HCl/g PVC): IX = 1.94, X = 1.88, XIV = 1.70, VI = 3.48, VII = 3.57; after irradiation: IX = 4.86, X = 4.87, XIV = 4.75, VI = 5.35, VII = 6.50. For a plasticate containing 12 parts by weight of lead silicate and 0.5 parts by weight of an inhibitor mixture, the best heat resistance and fastness to light was found to occur using cyclohexanone stabilizers VIII, IX and X. In this case it was VI, VII and XIV

Card 2/3

The effect of polyvinyl chloride ...

S/191/62/000/005/002/012
B110/B101

that produced the lowest fastness to light (ПРК-2 (PRK-2) lamps). For aging of plasticates under arc lamp light, III, IV, V, VI and VII gave best results, XI, XII and XIII the poorest. There are 4 tables.

Card 3/3

2c

L 32997-65 EPF(c)/EPR/EWP(j)/EWT(m) Pc-4/Pr-4/Pt-4 JAJ/RM/WR
ACCESSION NR: AP5007418 S/0286/65/000/004/0059/0059

AUTHOR: Grishko, N. I.; Mal'tseva, R. P.; Gitis, S. S.; Kutsenko, A. I.; Kutepova,
A. I.; Komissarova, G. I.; Shtekker, O. A.

TITLE: A method for producing plasticizers for polyvinylchloride. Class 39,
No. 168424⁵

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 59

TOPIC TAGS: polyvinylchloride, plasticizer

ABSTRACT: This Author's Certificate introduces a method for producing plasticizers for polyvinylchloride. The plasticizers are based on aromatic carboxylic acids and monohydric aliphatic alcohols. A wider selection of raw materials is provided by using the products of oxidation of an industrial blend of xylenes which is poor in *n*-xylene. The Author's Certificate also covers a modification of this method in which an industrial blend of xylenes is used which is poor in *o*- and *m*-xylenes.

ASSOCIATION: none

Card 1/2

KUTEPOVA, A.I.; GRISHKO, N.I.; KAGAN, Yu.B.; LOKTEV, S.M.; MAL'TSEVA, R.P.;
SHTEKKER, O.A.

Preparation of phthalate plasticizers on the base of the wide
fractions of C₅-C₁₂ alcohols. Plast. massy.no.10:22-24 '65.
(MIRA 18:10)

L 20252-65 EWT(m)/EPF(n)-2/T/EPA(bb)-2 Pu-4 SSD/BSA/AEDC(a)/ASD(f)-3/AS(mp)-2

S/0096/64/000/012/0056/0061

ACCESSION NR: AP4049894

AUTHORS: Sterman, L. S. (Doctor of technical sciences); Shtekler, Kh. (Engineer); Zhidkikh, V. F. (Engineer)

TITLE: On the choice of parameters for a double mesh atomic electric power station with hydraulic coolant

SOURCE: Teploenergetika, no. 12, 1964, 56-61

TOPIC TAGS: double mesh atomic power station, hydraulic coolant, steam generator, feed pump, heat transfer

ABSTRACT: A method was developed for choosing the parameters for optimal thermal economy of a double mesh atomic power station using a hydraulic coolant. The basic parameter is represented by the difference between the reactor outlet temperature and the steam generator outlet temperature. The heat transferred from the reactor to the coolant is given by

$$Q_r = \frac{Q_{par}}{\eta_{tr} \eta_{r.u}} \cdot k_{ts.n} \cdot \phi_{ts.n} \cdot \frac{N_e}{E} \cdot k_{p.n} \cdot \phi_{p.n} \cdot \eta_{tr} \cdot \eta_{r.u}$$

$$\phi = \eta_{pr} \cdot \eta_{mekh.n}$$

Card 1/2

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ACCESSION NR: AP4049894

where Q_{par} is the heat transferred from the coolant to the working substance in the steam generator, $k_{p.n}$ the fraction of the power spent on driving the feed pump, ϕ the fraction of the energy returning from the pump to the first mesh ($\phi_{ts.n}$) and the second mesh ($\phi_{p.n}$), η_{pr} the efficiency of the drive mechanism, and $\eta_{mekh.n}$ the mechanical efficiency of the pump. η_{tr} and $\eta_{r.u}$ are the efficiencies of the conduits in the first mesh and the reactor, respectively. For various values of the reactor outlet and steam generator outlet temperatures, the author plotted the heat transfer and the thermal efficiency values to obtain the optimal parameters for highest thermal economy. Orig. art. has: 13 formulas and 5 figures.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Engineering Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: TD

NR REF SOV: 009

OTHER: 002

Card 2/2

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MURAV'YEV, V.I.; SHTELE, G.Ya.; YUDENKOV, V.I.; POGREBETSKIY, M.D.

Book about the economics of construction. Transp. stroi. 14 no.7:57-59
Jl '64. (MIRA 18:1)

1. Predsedatel' seksii ekonomiki Tekhnicheskogo soveta Gosudarstvennogo
proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR (for
Murav'yev). 2. Nachal'nik planovogo otdela Mostostroya No.1 (for
Yudenzov).