

PONOMAREVA, K. S.

Solution heat q_0 /mole for salts of low concentrations. N. K. Voskresenskaja and K. S. Ponomareva (*Compt. rend. Acad. Sci. U.R.S.S.*, 1944, **68**, 188-190). The heats of dissolution of KCl, NaCl, and KNO_3 at 25°, 50°, and 75°, and of $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$ and Na_2SO_4 at 25° and 50°, are measured. As the temp. is raised the process of dissolution becomes more exothermal, the polytherms being straight lines. The polytherms of $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$ and Na_2SO_4 , the salts of highest ionic power, make the largest angle with the abscissa, showing that with them the effect of raising the temp. is greatest. The rest form the decreasing sequence $\text{KCl} > \text{NaCl} > \text{KNO}_3$. S. R. R.

VOLOSHIN, A.I.; BOGOYAVLENSKIY, K.A.; AKHTYRCHENKO, A.M.; TURIK, I.A.;
ZHIDKO, A.S.; LYALYUK, V.S.; GABAY, L.I.; ONOPRIYENKO, V.P.;
STARSHINOV, B.N.; BABIY, A.A.; SAVELOV, N.I.; Primali
uchastiye: TORYANIK, E.I.; VASIL'YEV, Yu.S.; SHEMEL', T.I.;
SENYUTA, V.I.; BONDARENKO, I.P.; AMSTISLAVSKIY, D.M.;
ANDRIANOV, Ye.G.; SERGEYEV, G.N.; ZAMAKHOVSKIY, M.A.;
LYUKIMSON, M.O.; IVONIN, V.K.; TSIMBAL, G.I.; SEN'KO, G.Ye.;
KONAREVA, N.V.; SOLODKIY, Yu.L.; LUKASHOV, G.G.; TARASOV, D.A.;
GORBANEV, Ya.S.; SUPRUN, I.Ye.; TIKHOMIROV, Ye.I.; KONONENKO, P.A.;
PROKOPOV, V.N.; GULYGA, D.V.; PLISKANOVSKIY, S.T.; PONOMAREVA, K.Ye.

Effect of the length of coking on coke quality and the performance
of blast furnaces. Koks i khim. no.12:26-32 '61.

(MIRA 15:2)

1. Ukrainskiy uglekhimicheskiy institut (for Voloshin, Bogoyavlenskiy, Akhtyrchenko, Turik, Zhidko, Lyalyuk, Toryanik, Vasil'yev, Shemel').
2. Zhdanovskiy koksokhimicheskiy zavod (for Gabay, Senyuta, Bondarenko, Amstislavskiy, Andrianov, Sergeyev, Zamakhovskiy, Lyukimson, Ivonin, Tsimbal).
3. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (for Onopriyenko, Starshinov, Babi, Sen'ko, Konareva, Solodkiy).
4. Zavod "Azovstal'" (for Savelov, Lukashov, Tarasov, Gorbanev, Suprun, Tikhomirov, Kononenko, Prokopov, Gulyga, Pliskanovskiy, Ponomareva).

(Coke)

(Blast furnaces)

STARSHINOV, B.N.; PLISKANOVSKIY, S.T.; PONOMAREVA, K.Ye.; GAYEVAYA, O.S.;
SINITSKAYA, S.K.; PALAGUTA, V.F.

Results of investigating the final slags used in the smelting
of converter and foundry cast iron in conditions of the
Azovstal' plant. Sber. trud. UNIM no. 11966-79 '65.

(MIRA 18817)

SHUBTSOVA, I.G.; KUDASHOVA, R.V.; GLIKMAN, S.A.; Primalni uchastiye: Ponomareva,
L.; CHERNIKOVA, Ye.; SILKINA, N.

Effect of metal ions and of the anions of organic acids on the mechanical
properties of agaroid gels. Koll.zhur. 25 no.6:728-731 N-D '63.
(MIRA 17:1)

1. Saratovskiy universitet, kafedra fiziko-khimii polimerov.

PONOMAREVA, I

PA 156712

USSR/Biology - Fauna, Arctic
Arctic Studies

21 Apr 49

"Infiltration of Arctic Fauna Into the Kara Sea,"
I. Ponomareva, Inst of Oceanol, Acad Sci USSR,
2 1/2 pp

"Dok Ak Nauk SSSR" Vol LXV, No 6

Certain species of plankton (*Oithona atlantica*,
Eudae nordmanni and others), benthos (*Macoma*
Baltica, *Lacuna divaricata* and others), and fish
(*Mallotus villosus*, *Hippoglossoides* and *Cyclop-
terus lumpus*) from the Barents Sea are now found
in Kara Sea -- some probably carried by currents.

USSR/Biology - Fauna, Arctic (Contd) 156712
21 Apr 49

These facts indicate that warming up of the Arctic
region, demonstrated by many authorities, is respon-
sible for this penetration. If this warming-up proc-
ess continues, zoogeographical boundary between the
upper arctic and boreal regions will move eastward.
Submitted by Acad P. P. Shirshov 15 Feb 49.

156712

"The results of the work of the Khorolsk interkolkhoz fattening station."

Veterinariya, Vol. 37, No. 7, 1960, p. 21

Chiy. Khorol' Inter-District Vet - Bacterial. Lab

PONOMAREVA, L. A.

28330

O pitanii planktonoyadnykh kitov byeringova morya. Doklady akad. Nauk SSSR, Novaya, Syeriya T. LXVIII, No. 2, 1949, S. X01-03-Bibliogr: 6 Nazv
Rimskiy-Korsakov, M.N.K Faune nasyekomykh polyeza shohitnykh polos - S.M. 28sss

So: Letopis No. 34

PONOMAREVA, L.A.

Interrelationships among herrings of the genus *Clupea*. Uch.zap.Gor'.un.
no.19:175-193 '51. (MLRA 6:6)
(Herring)

1. PONOMAREVA, L. A.
2. USSR (600)
4. Pacific Ocean - Copepoda
7. Appearance of polymorphism in the copepodous crustacean *Calanus cristatus*.
Dokl. AN SSSR 90, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

POBOMAREVA, I.A.

Role of individual genera of Euphausiidae as food components of fish and whales. Trudy Inst.ocean. 8:200-205 '54. (MLBA 7:11)
(Euphausiidae) (Fishes--Food)

PONOMAREVA, L.A.

Winter zooplankton in the northern Sea of Japan. Trudy Inst.
ocean. no.9:159-173 '54. (MLRA 8:6)
(Japan, Sea of--Zooplankton)

PONOMAREVA, L.A.

Seasonal variations of zooplankton in the Pérouse Strait. Trudy
Inst.okean. 11:258-263 '54. (MLRA 8:2)
(La Perouse Strait--Zooplankton)

VASIL'YEV, V. YE., DENISENKO, V.O., AND PONOMAREVA, L. A.

Solution of Crystals

Blue vitriol and succinic acid crystals were investigated. The grown crystals were dissolved in ethanol of various concentrations. The speed of solution does not exhibit proportionality to volume, surface, nor linear crystalline dimensions. An increase of specific weight up to 20% could be observed. (RZhFiz, No. 8, 1955) Izv. Kievsk. Politekhn. in-ta, 14, 1954, 183-195.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

PONOMAREVA, L. A.

USSR/Biology - Zoology

Card 1/1 : Pub. 22 - 40/44

Authors : Ponomareva, L. A.

Title : ~~On the feeding of Euphausia~~ On the feeding of Euphausia of the Japanese Sea with copepoda crabs

Periodical : Dok. AN SSSR 98/1, 153-154, Sep 1, 1954

Abstract : Report on the feeding of copepoda crabs to Euphausia in the Japanese Sea. Four references: 2-USA and 2-German (1909-1945). Drawing.

Institution : Acad. of Sc. USSR, Institute of Oceanology

Presented by : Academician E. N. Pavlovskiy, May 14, 1954

ПОНОМАРЕВА, Л.А.

USSR/Biology - Zoology

Card 1/1 Pub. 22 - 44/47

Authors : Ponomareva, L. A.

Title : Weight characteristics of euphausiidae of the Sea of Japan

Periodical : Dok. AN SSSR 99/1, 169-171, Nov 1, 1954

Abstract : Data on the weight characteristics of euphausiidae (shrimplike crustaceans), found in the Sea of Japan, are presented. Four USSR references (1934-1954). Tables; graph.

Institution : Academy of Sciences USSR, Institute of Oceanology

Presented by: Academician E. N. Pavlovskiy, July 10, 1954

PONOMAREVA, I.A.

Euphausiids of the Kurile-Kamchatka Trench. Trudy Inst.okean.
no.12:288-297 '55. (MIRA 8'9)
(Kurile Trench--Euphausiidae) (Phosphorescence)

PONOMAREVA, L.A.

PONOMAREVA, L.A.

Food and distribution of Euphausiidae in the Sea of Japan. Zool.
zhur.34 no.1:85-97 Ja-F '55. (MIRA 8:3)

1. Institut okeanologii AN SSSR.
(Japan, Sea of---Euphausiidae)

PONOMAREVA, L.A.

Euphausiids of the Sea of Japan. Trudy probl. i tem. sov. no. 6:
46 '56. (MLRA 9:11)

1. Institut okeanologii AN SSSR.
(Japan, Sea of--Euphausiidae)

PONOMAREVA, L.A.

Method for studying the Euphausiidae. Trudy Inst.okean. 19:
334-339 '56. (MIRA 10:2)

(Euphausiidae)

PONOMAREVA, I.A., kandidat biologicheskikh nauk.

"Vitiya" in the tropics. Nauka i zhizn' 23 no.9:42-44 '56.
(Pacific Ocean--Marine fauna) (MIRA 9:10)

PONOMAREVA, L.A. ; BEKLEMISHEV, K.V.

Zooplankton of tropical waters and the frontal region in the north-western parts of the Pacific Ocean. Dokl. AN SSSR, 109 no.4:869-872 Ag 1956. (MLRA 9:10)

1. Institut okeanologii Akademii nauk SSSR. Predstavleno akademikom A.A. Grigor'yevym.

(Pacific Ocean--Zooplankton)

PONOMAREVA, L.A.

PONOMAREVA, L.A.

Zooplankton of the western part of the Kara Sea and Baydarata Bay.
Trudy Inst. okean. 20:228-245 '57. (MIRA 10:12)
(Kara Sea--Zooplankton) (Baydarata Bay--Zooplankton)

~~ПОНОМАРЕВА, Л.А.~~

ПОНОМАРЕВА, Л.А.

Distribution of-zooplankton in the southern half of the Tatar
Strait. Trudy Inst. okean. 20:246-252 '57. (MIRA 10:12)
(Tatar Strait--Zooplankton)

ПОНОМАРЕНВА, Л. А.

ПОНОМАРЕНВА, Л.А., kandidat biologicheskikh nauk.

A rare find in the depths of the Pacific. Priroda 46 no. 5:115 My
'57. (MLRA 10:6)

1. Institut okeanologii Akademii nauk SSSR (Moskva).
(Pacific Ocean--Euphausiidae)

POKOMAREVA, L.A.

POKOMAREVA, L.A.

Distribution of Euphausiacea in Far Eastern (the Bering, Okhotsk, Japanese and East Chinese) seas. Dokl. AN SSSR 114 no.6:1214-1216
Je '57. (MLRA 10:9)

1. Institut okeanologii Akademii nauk SSSR. Predstavleno akademikom
A.A.Grigor'yevym.

(Pacific Ocean--Euphausiidae)

NAUMOV, A.G.; PONOMAREVA, L.A.

Vertical distribution and the diurnal migration of basic examples
of the zooplankton in the northern part of the Indian Ocean.
Trudy Inst. okean. 64:250-256 '64. (MIRA 17:7)

PONOMAREVA, L.A.

Study of the Euphausiacea of the Bay of Bengal and the Arabian
Sea. Trudy Inst. okean. 64:265-270 '64. (MIRA 17:7)

PONOMAREVA, L.A.

Comparative studies of urea-formaldehyde varnishes for
parquet floors. Der. prom. 12 no.12:12-13 D '63.
(MIRA 17:3)

PONOMAREVA, L.A.

Availability of food organisms for fishes. Trudy Inst. okean.
71:72-80. '63. (MIRA 16:11)

PONOMAREVA, I.A.; NAUMOV, A.G.; ZERNOVA, V.V.

Composition of food of some species of euphausiids in the Indian
Ocean. Trudy Inst. okean. 58:163-166 '62. (MIRA 15:12)
(Indian Ocean—Euphausiacea)

PONOMAREVA, L.A.

Study on euphausiids in the northern part of the Pacific Ocean.

Trudy Inst. okean. 58:135-156 '62.

(MIRA 15:12)

(Pacific Ocean--Euphausiacea)

VOYTOV, Vitaliy Ivanovich; PONOMAREVA, Larisa Anatol'yevna;
PERVAKOV, I.L., red.; CHERNYKH, M.P., mladshiy red.;
BURLAKA, N.P., tekhn. red.

[Off the sea lanes] V storone ot morskikh dorog. Moskva,
Geografiz, 1962. 101 p. (MIRA 16:6)
(Pacific Ocean--Description and travel)

PONOMAREVA, Larisa Anatol'yevna; USACHEV, P.I., prof. [deceased],¹ otv. red.;
STAROSTIN, I.V., otv. red.; MAKAROV, B.M., red. izd-va; LAUT, V.G.,
tekhn. red.; UL'YANOVA, O.G., tekhn. red.

[Euphausiids of the northern half of the Pacific Ocean, their
distribution and the ecology of the mass species] Evfauziidy
severnoi poloviny Tikhogo okeana, ikh rasprostranenie i ekologiya
massovykh vidov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 139 p.
(MIRA 16:4)

(Pacific Ocean--Euphausiacea)

PONOMAREVA, L.A.

Optimal conditions for gluing parquet boards with heating in a
high-frequency electric field. Der. prom. 13 no.6:9-10 Je '64.
(MIRA 17:6)

VOYTOV, Vitaliy Ivanovich; PONOMAREVA, Larisa Anatol'yevna; PERVAKOV,
I.L., red.; CHERNYKH M.P., mladshiy red.; BURLAKA, N.P.,
tekhn. red.

[Away from the ocean routes] V storone ot morskikh dorog. Mo-
skva, Geografiz, 1962. 101 p. (MIRA 16:1)
(Far East--Description and travel)
(Far East--Oceanographic research)

PONOMAREVA, L.A.

Determining the content of sulfate sulfur in coal. Standartizatsia
26 no.7:46 JI '62. (MIRA 15:7)
(Coal---Analysis) (Sulfur)

PONOMAREVA, L.A.

Euphausiids of Kronotskiy Gulf. Trudy Inst.ocean. 36:101-104
'59. (MIRA 15:4)

(Kronotskiy Gulf--Euphausiidae)

PONOMAREVA, L.A.; NAUMOV, A.G.

Distribution of the zooplankton biomass in waters of the Arabian Sea and the Bay of Bengal during the period of monsoon change.
Dokl. AN SSSR 142 no.2:449-452 Ja '62. (MIRA 15:2)

1. Institut okeanologii AN SSSR. Predstavleno akademikom
A.A.Grigor'yevym.

(Arabian Sea---Zooplankton)
(Bengal, Bay of---Zooplankton)

PONOMAREVA, L.A.

Zooplankton of Aniva Gulf. Trudy Inst.ocean. 51:103-111 '61.
(MIRA 14:6)

(Aniva Gulf--Zooplankton)

PONOMAREVA, L.A.

Distribution of the plankton biomass in tropical waters of the
western Pacific. Trudy Inst. okean. 41:48-54 '60. (MIRA 13:9)
(Pacific Ocean--Plankton)

PONOMAREVA, L.A.

Euphausiids in the Sea of Okhotsk and the Bering Sea. Trudy
Inst.okean. 30:115-147 '59. (MIRA 13:5)
(Okhotsk, Sea of--Euphausiidae)
(Bering Sea--Euphausiidae)

POBOMARVA, L.A.

Some data on zooplankton at the western coast of southern
Sakhalin. Issl.dal'nevost.mor.SSSR no.6:47-57 '59.
(MIRA 13:3)

1. Institut okeanologii AN SSSR.
(Sakhalin--Zooplankton)

DOBRETSOV, N.L.; PONOMAREVA, I.G.

Pyroxenes of the eclogite facies of jadeite rocks and
glaucophane schists. Trudy Inst. geol. i geofiz. Sib. otd.
AN SSSR no. 30: 96-96 '64.

(MIRA 18:11)

POKROVSKIY, A.A.; POHOMAREVA, L.G.

Characteristics of the changes in the enzymic activity of brain tissues in reflex epilepsy. Zhur. vys. nerv. deiat. 15 no. 1:120-127 Ja-F '65. (MIR 18:5)

1. Laboratoriya klinicheskoy enzimologii Instituta pitaniya AMN SSSR.

DOBRETSOV, N.L.; PONOMAREVA, L.G.

Lawsonite-glaucophane metamorphic schists in the Penzhina Range
of northwestern Kamchatka. Dokl. AN SSSR 160 no.1:196-199 Ja '65.
(MIRA 18:2)

I. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.
Submitted July 21, 1964.

7. A. HIRSH: I.G. GOSPLAN, M.S.

Scientific research in the mountains of the Altai State
(Western Sayan Mountains) and Sayan (Irtys Basin). Vol. 1
geology, no. 54754.43 195. (SIRA 18:8)

1. Institut geologii i geofiziki Sibirskogo nauchnogo tsentra AN SSSR,
Novosibirsk.

NIKITIN, G.A.; Primalni uchastiye: PONOMAREVA, L.G.; PAVLYUCHENKO, L.V.

Studying the fermentation conditions of distillery molasses stillage by methane-forming bacteria for the production of vitamin B₁₂. Trudy UkrNIISP no.9:139-144 '64. (MIRA 17:10)

DOBRET'SOV, N.L.; PONOMAREVA, L.G.

Paragenetic types and the dependence of the composition of metamorphic pyroxenes on the composition and conditions governing the formation of the rocks enclosing them. Sov. geol. 7 no.12:39-57 D '64. (MIRA 18:4)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.

POKROVSKIY, A.A.; PONOMAREVA, L.G.

Distribution of cholinesterases in the brain of rhesus monkeys.
Biokhimiia 26 no.2:276-280 Mr-Apr '61. (MIRA 14:5)

1. Central Research Testing Institute of the Military Medicine,
Moscow.

(CHOLINESTERASE)

(BRAIN)

(MONKEYS)

PONOMAREVA, Polina Afanas'yevna, red.

[Problems of cardiology and hematology relating to childhood]
Voprosy kardiologii i gematologii v detskom vozraste. Moskva,
Vtoroi Mosk.gos.med.in-t im. N.I.Pirogova, 1959. 183 p.
(MIRA 13:8)

(CARDIOLOGY)

(BLOOD)

PONOMAREVA, L.A.

Reproduction and early larval stages of euphausiids in the Sea of Japan. Zool. zhur. 38 no.11:1649-1662 N '59 (MIRA 13:3)

1. Institute of Oceanology, Academy of Sciences of the U.S.S.R., Moscow.

(Japan, Sea of--Euphausiidae)

3(9)

AUTHORS:

Ponomareva, L.A., Candidate of Biological Sciences
and Voytov, V.I. SOV/26-59-4-15/43

TITLE:

On the Hermit Atoll (Na atolle Khermit)

PERIODICAL:

Priroda, 1959, Nr 4, pp 70-72 (USSR)

ABSTRACT:

In the spring of 1959, an expedition of the Institute of Oceanography of the AS USSR on board the ship "Vityaz'" carried out research on the west part of the Pacific within the framework of the International Geophysical Year. On May 12, the expedition visited the Hermit Atoll, situated about 90 miles north-west of the Admiralty Island in the New Guinea Sea. Taking the fauna of the Hermit Atoll as an example for the Pacific islands' fauna in general, the authors give a detailed description of it. Among other findings the authors mention the Pagurus, Birgus latro, Nautilus, talitridae, Halimeda, Madreporaria, Milleporidae (Hydrozoa), Alcyonaria and Octocorallia,

Card 1/2

On the Hermit Atoll

SOV/26-59-4-15/43

Scomber japonica, Tetradontidae, Trochus, Spondilus,
Tridakna, etc. There are 1 photo and 1 graph.

ASSOCIATION: Institut okeanologii Akademii nauk SSSR (Moskva)
(Institute of Oceanography of the AS USSR)

Card 2/2

AUTHOR:

Ponomareva, L. A.

20-114-6-21/54

TITLE:

The Distribution of Euphausiacea in the Far East (the Bering, Okhotsk, Japanese and East Chinese) Seas (Raspredeleniye eufauziid (Euphausiacea) v dal'nevostochnykh moryakh (Beringovom, Okhotskom, Yaponskom, i Vostochno Kitayskom))

PERIODICAL:

Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 6, pp. 1214-1216 (USSR)

ABSTRACT:

First, reference is made to some relevant previous papers. For the present work more than 300 samples of expeditions of the Institute for Oceanography of the Academy of Sciences of the USSR were gathered. These expeditions went by boat ("Vityaz") across the above-mentioned seas from 1949 to 1955. The nets used for the salvage of the Euphausiacea are described. The species of Euphausiacea met in the Far East seas are enumerated in a table. The seas which are most isolated from the ocean, such as the Okhotsk and the Japanese, possess the smallest variety of Euphausiacea. But these species are especially interesting, for they occur in large masses, especially in the period of propagation. *Thysanossea inermis* and *Thysanossea raschii* are characteristic of the arctic and arctoboreal zone

Card 1/3

20-114-6-21/54

The Distribution of Euphausiacea in the Far East (the Bering, Okhotsk, Japanese and East Chinese) Seas

of the Atlantic and the Pacific. *Th. raschii* is a neritic and the most cold-loving species. *Thysanossea longipes* and *Euphausiacea pacifica* occur only in the northern part of the Pacific. *Thysanossea longipes* is more cold-loving, it is spread in all Far East seas with the exception of the East Chinese sea. It sometimes occurs in two forms. *Euphausia pacifica* occurs in great masses in the Japanese and East Chinese seas; in the Bering and Okhotsk seas, however, it occurs in considerably smaller amounts. The regions of occurrence are also given for the other species. *Bentheuphausia amblyops* occurs in depths of from 1000 to 5000 m. The fauna of the Euphausiacea of the Far East seas can be subdivided in 3 groups: arctoboreal species, boreal species and 9 other species described here. The distribution of these groups in the Far East seas is illustrated by a diagram. There are 1 figure, 1 table, and 7 references, 1 of which is Slavic.

ASSOCIATION: Institute of Oceanography of the AS USSR (Institut okeanologii Akademii nauk SSSR)

PRESENTED: March 29, 1957, by A. A. Grigor'yev, Member of the Academy
Card 2/3

AUTHORS: Ponomareva, L. A., Lubny-Gertsyk, Ye. A. SOV/20-120-6-22/59

TITLE: Quantitative Plankton Distribution in the Tropical Waters of the West Pacific Ocean (Kolichestvennoye raspredeleniye planktona v tropicheskikh vodakh zapadnoy chasti Tikhogo okeana)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 6, pp. 1246 - 1248 (USSR)

ABSTRACT: The expedition ship Vityaz' of the Institut okeanologii AN SSSR (Institute of Oceanology, AS USSR) collected samples of plankton in the region between the Japanese islands and 07° of northern latitude and between 152° of eastern longitude and the Philippines from July to October 1957. In July a cross-section was laid through the zone of mixture of the boreal waters and the **Kuroshio current**. In the summer of 1957 the southern boundary of the mixing zone and of the **Kuroshio current** was shifted to the south (as compared to the years 1954 and 1955). The biomass of plankton in the north part of the mixing zone reached 1000 mg/m³. The plankton species found are listed. The zone of tropical plankton is very wide in the region under investigation, its qualitative composition being

Card 1/3

Quantitative Plankton Distribution in the Tropical Waters SOV/20-120-6-22/59
of the West Pacific Ocean

rather uniform. In the vicinity of the great islands the biomass increases because of the water emptied into the sea. In the Solomon Sea the plankton biomass increases up to 300 mg/m^3 . In the region of the Bismarck Archipelago a relatively rich zooplankton is found. The biomass is richest in the mixture zone to a latitude of about 40° , it decreases, however, rapidly towards the south. The least amount of plankton was found in the zone of the north trade wind current. Presumable causes for this are given. There are 2 figures and 2 references, 2 of which are Soviet.

ASSOCIATION: Institut okeanologii Akademii nauk SSSR (Institute of Oceanology, AS USSR)

PRESENTED: January 30, 1958, by A.A.Grigor'yev, Member, Academy of Sciences, USSR

SUBMITTED: January 27, 1958
Card 2/3

Quantitative Plankton Distribution in the Tropical
Waters of the West Pacific Ocean

SOV/20-120-6-22/59

1. Aquatic animals--Pacific oceans
--Abundance 2. Plants--Pacific oceans 3. Aquatic animals
4. Plants--Abundance

Card 3/3

PONOMAREVA, L. A.

"The Euphausiid Plancton in the Seas and North-West Pacific".
report to be submitted for the Intl. Oceanographic Cong. New York City,
31 Aug - 11 Sep 1959.

(Inst. of Oceanology, Moscow)

GOLYNETS, Yu.F.; PONOMAREVA, L.I.; Primalni uchastiye: SIMETSKAYA, N.A.;
SIMONENKOVA, R.A.

Estimating the reproducibility of the results of analyses
of sulfur-containing substances. Trudy Kom.anal.khim. 13:
137-138 '63. (MIRA 16:5)
(Sulfur--Analysis) (Sulfur organic compounds)

1. PONOMAREVA, L.I.; SPITSKAYA, T.D.;
2. USSR (600)
4. Horse Breeding
7. Effect of selection by age on the quality of progeny from young horses, L.I. Ponomareva, T.D. Spitskaya, Konevodstvo 23 no. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

PONOMAREVA, L.K.; ZOLOTAVIN, V.L.; MESHALKIN, A.I.

Determination of cesium-137 in open bodies of water. Trudy
Ural. otd. MOIP no.2:201-205 '59. (M. 14:11)
(Water--Analysis)
(Cesium--Isotopes)

MIRONOV, D.K.; PONOMAREVA, L.K., redaktor; LAPRUN, K.I., tekhnicheskiy
redaktor

[Automatic control in electric power stations; the experience of
electric stations of the Molotov power system in automatization of
thermal processes] Avtomatika na elektrostantsiakh; iz opyta avto-
matizatsii teplovykh protsessov na elektrostantsiakh Molotovenergo.
Molotov, Molotovskoe kn-vo, 1955. 94 p. (MLRA 9:9)

1. Nachal'nik sluzhby naladki avtomatiki i teplovykh izmereniy
(SNATI) Molotovenergo (for Mironov)
(Automatic control) (Electric power plants)

VAGNER, N.N.; ALEKSANDROV, V.G.; PONOMAREVA, L.K., redaktor; LAPRUN, K.I.,
tekhnicheskii redaktor

[Chemists of the Western Urals contribute to agriculture; a
collection of articles] Khimiki Zapadnogo Urals sel'skomu
khoziaistvu; sbornik statei. Molotov. Molotovskoe kn-vo, 1956.
53 p. (MLRA 1C:2)
(Agricultural chemicals)

PONAMAREVA, L. K.

REZNIK, Ya.M.; PONAMAREVA, L.K., redaktor; NEUDAKINA, N.G., tekhnicheskii redaktor

[Problems in the economics of the machinery manufacturing industry; a collection of articles] Voprosy ekonomiki mashinostroitel'noi promyshlennosti; sbornik statei. Moskva, Molotovskoe knizhnoe izd-vo, 1957. 126 p. (MLRA 10:9)
(Machinery industry)

PONOMAREVA, L.K.; ZOLOTAVIN, V.L.

~~Determination of radioactive strontium in waters of open basins.~~
Radiokhimiya 1 no.2:208-211 '59. (MIRA 12:8)
(Strontium--Analysis) (Water--Analysis)

PONOMAREVA, L.K.; VASSEFMAN, L.I.

Determination of sulfate in sodium dichromate. Zev. lab. 30
no.11:1332 '64 (MIRA 18:1)

1. Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut.

S/081/61/000/021/026/094
B101/B147

AUTHORS: Ponomareva, L. K., Zolotavin, V. L.

TITLE: Determination of cesium¹³⁷ in open waters

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 103, abstract 21D56 (Tr. Ural'skogo otd. Mosk. o-va ispyt. prirody, no. 2, 1959, 201 - 205)

TEXT: The authors studied the possibility of Cs concentration in natural waters by coprecipitation with $KPb[Co(NO_2)_6]$ or $K_2Ag[Co(NO_2)_6]$. They observed a 96.6% Cs extraction. In the presence of gelatin, the precipitates coagulate within 10 - 15 min. 4 milliliters (ml) of a KNO_3 solution (200 mg K), 1 ml of a $CsNO_3$ solution (25 mg Cs), 10 ml of 70% CH_3COOH , 10 ml of a $Pb(NO_3)_2$ solution (246 mg $Pb(NO_3)_2$ in 1 ml), 50 ml of a solution of $Na_3[Co(NO_2)_6]$ (323 mg of salt in 1 ml), and 3 - 5 ml of a 1% gelatin solution are added to 1 liter of water. Mixing is performed for 5 min; the solution is decanted after 10 - 15 min. 10 ml of concentrated

Card 1/2

Determination of cesium ¹³⁷...S/081/61/000/021/026/094
B101/B147

HCl is added to the precipitate under heating. The resulting precipitate of $\text{Na}_3[\text{Co}(\text{NO}_2)_6]$ is removed by centrifuging, the solution is cooled with water, then it is mixed with 10 ml of concentrated HCl and 8 ml of a 50% solution of cesium chlorostannate. The precipitate is filtered through a blue-band paper filter, washed with ethanol, and the activity is measured. To determine the complete Cs separation, the filter is moistened in a platinum bowl with 2 - 5 ml of water; 600 mg of crystalline $\text{H}_2\text{C}_2\text{O}_4$ is added; the substance is evaporated to dryness, calcined at 500°C for a few seconds; then, the Cs_2CO_3 is extracted with hot water, and titration is performed with 0.05 N HCl and methyl orange as indicator. The analysis takes 1 - 1.5 hr. Sensitivity of the method 10-10 curies/liter, maximum error $\pm 8\%$. The determination of Cs^{137} is not disturbed by Sr^{90} (Yt^{90}), Ce^{144} (Pr^{144}), and Ru^{106} (Rh^{106}). [Abstracter's note: Complete trans-

Card 2/2

ZLOTAVIN, V.L.; PONOMAREVA, L.K.

Determination of radioactive strontium in waters of open reservoirs.
Radiokhimiia 2 no.1:104-106 '60. (MIRA 14:5)
(Strontium--Analysis)

SHEINA, Z.G., kand.khimicheskikh nauk; PONOMAREVA, L.K.

Study of the kinetics of wetting dust from quartz-bearing rocks
by means of capillary absorption. Sbor. rab. po silik. no.2:115-
124 '60. (MIRA 14:3)

1. Gorno-geologicheskii institut Ural'skogo filiala AN SSSR.
(MINE DUSTS) (WETTING AGENTS)

22463

S/186/60/002/001/017/022
A057/A129

21. P100

AUTHORS: Zolotavin, V.L.; Ponomareva, L.K.

TITLE: Determination of radioactive strontium in the water of open water tanks

PERIODICAL: Radiokhimiya, v. 2, no. 1, 1960, 104 - 106

TEXT: A new method for the determination of small amounts of strontium-90 and strontium-89 in water with sodium rhodizonate is described. The method is based on observations by H. Weiss and W. Shipman [Ref. 2: Anal. Chem., 29, 12, 1764 (1957)] that strontium forms difficultly soluble compounds with rhodizonate salts and can thus be separated from calcium in determinations of radioactive strontium in water. The activity was measured in the present experiments with an (M-25 (SI-2B) end-window counter, precipitating Sr⁹⁰ (with 30 mg carrier) in the form of strontium carbonate on a special funnel (suggested for activity measurements of precipitates by V.I. Spitsyn et al. [Ref. 4: Metody raboty s primeneni-iyem radioaktivnykh indikatorov (preparative methods using radioactive indicators) 160, Izd. AN SSSR (Ed. AS USSR), M., (1955)]. Strontium-90 was concentrated by co-precipitation with SrCO₃ and CaCO₃ [Ref. 1: Radiokhimiya, 1, 2, 208 (1959)].

Card 1/3

22463

S/186/60/002/001/017/022
A057/A129

Determination of radioactive strontium in....

After dissolving the precipitate in diluted HCl the solution was neutralized and strontium was precipitated with sodium rhodizonate keeping the pH at 6 - 7. It must be considered that Na-rhodizonate solutions are stable only for 2 - 3 hours. After centrifuging the separated strontium rhodizonate precipitate is dissolved in concentrated HCl and iron is precipitated twice in the solution to eliminate other fission products by co-precipitation with iron hydroxide. Finally Sr⁹⁰ is precipitated as carbonate on the special funnel and the activity is determined. The method was tested on three water samples taken from open water tanks (see Table). The duration of the method is 1.5 - 2 hours, the maximum error is $\pm 10\%$ and the sensitivity $5 \cdot 10^{-11}$ curie/l, i.e., one order of magnitude smaller than the amount allowed. Qualitative experiments demonstrated that Cs¹³⁷, Ru¹⁰⁶, Ce¹⁴⁴ and Zr⁹⁵ do not interfere with the determination. There are: 1 table and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc. X

SUBMITTED: August 12, 1959

Card 2/3

PONOMAREVA, L.K., Cand Chem Sci (diss) "Determination of the content of
radioactive strontium and cesium in the water of open reservoirs."
Sverdlovsk, 1960, 15 pp (Ural State Univ im A. M. Gor'kiy) (KL, 33-60, 143)

Ponomareva, L. K.

5(2) PAPER: BOOK EXPLOITATION 507/502

Akademiya nauk SSSR. Institut geokhimi i analiticheskoy khimii
Rudometal'nyye elementy: polucheniye, analiza, primeneniye (New Earth Elements:
Production, Analysis, and Use) Moscow, Izd-vo AN SSSR, 1979. 351 p.
5,000 copies printed.

Red. M. I. E. Babichikov, Professor; Eds. of Publishing House: D. N. Trifunov
and T. G. Lorki; Auth. M. I. E. Babichikov, Doctoral Candidate; I. P. Alimarin,
Corresponding Member, USSR Academy of Sciences, I. N. Bessmertny, Doctor of
Chemical Sciences, V. V. Kozlovskiy, Candidate of Chemical Sciences, V. I.
Kuznetsov, Doctor of Chemical Sciences, M. M. Kuznetsov, Candidate of Chemical
Sciences, and N. S. Milyutina, Candidate of Chemical Sciences.

PREFACE: This book is intended for chemists in general and for geochemists and
analytical chemists in particular.

CONTENTS: This collection of articles consists of reports presented at the New
Earth Elements Symposium held in June 1969 at the Institute of Geochemistry
and Analytical Chemistry (Inst. V. I. Vernadskiy). The book may be divided into
two main sections: the characteristics, uses and production of new earth
elements (NEE), the methods of analyzing NEE, and the application of it.
Individual new earth elements and the mixture in the same and analytical
laboratory, and their use as analytes. Considerable space is devoted to the
application of ion-exchange chromatography in the production of pure forms
of all new earth elements. The nobility of this method with other methods
in separating NEE as industrial scale are discussed by B. I. Babichikov,
Yu. E. Milyutina, and K. N. Zhuravina. Chemical methods of separating
NEE compounds are discussed by I. N. Bessmertny, V. P. Kozlovskiy, E. P.
Kuznetsov, A. V. Kozlovskiy, and G. P. Alimarin. Quantitative X-ray spectral
analytical methods are described by E. Ye. Kozlovskiy, and chemical methods
of analysis by I. P. Alimarin and F. Ye. Kozlovskiy. The determination of
NEE separates in pure products and atomic materials are discussed at length
in three articles by A. B. Babichikov and his associates. All articles are ac-
companied by photographs, diagrams, tables, and bibliographic references.

CONTENTS

Babichikov, B. I., Zhuravina, K. N., and Kozlovskiy, E. P. Separation of NEE 118
Babichikov, B. I., Zhuravina, K. N., and Kozlovskiy, E. P. Separation of NEE 121
Chernov, M. P., Babichikov, B. I., and Kozlovskiy, E. P. Separation of NEE by the Counter Flow Chromatography Method 129
Kozlovskiy, E. P., and K. N. Zhuravina. Separation of NEE by Anionites 136
Milyutina, N. S., Kozlovskiy, E. P., and V. A. Kozlovskiy. Comparative Evalua- tion of Electrochemical Methods of Producing Ions 143
Trifunov, D. N. Study of the Method of Separating Radioisotopes on Paper Filters for the Purpose of Obtaining It Without a Carrier 151
Alimarin, I. P., and F. Ye. Kozlovskiy. The Separation of New Earth Elements in the Form of Oxalates and Fluorides in the Presence of Large Quantities of Other Elements 166
Babichikov, M. I., Kozlovskiy, E. P., and Kozlovskiy, E. P. A Rapid Method of Determining Cation in Liquids 176
Babichikov, M. I. On the Problem of the Chemical Analysis of Compound Purity of New Earth Elements of the Actinide Series 179
Babichikov, M. I., and Yu. E. Milyutina. On the Problem of a Quali- tative Determination of Ions in the Same 186
Ponomareva, L. K. On the Reaction of the Salts of New Earth Elements With Molybdic Acid 190
Kozlovskiy, E. P., and Yu. E. Milyutina. Chemical Analysis of the Sep- aration of New Earth Elements of the Actinide Series 192
Ponomareva, L. K., Kozlovskiy, E. P., and Yu. E. Milyutina. The Ap- plication of Microtitrimetric Chromatography on Paper for an Approximate Determination of the Composition of New Earth Elements 199

PONOMAREVA, L.K.; ZOLOTAVIN, V.L.

Description of radiostrontium and radiocesium from suspended particles
in open reservoir waters. Radiokhimiia 1 no.5:619-621 '59.

(MIRA 13:2)

(Strontium--Isotopes) (Cesium--Isotopes)

PONOMAREVA, L.M., master

New method of treating warps. Tekst.prom. 19 no.2:76
F '59. (MIRA 12:5)

1. Stalinabadskiy shelkcvyy kombinat.
(Warping machines)

L M PONOMAREVA and I A KALYABINA

"Investigation of Gas Removal from Components and Materials in
Electrovacuum Production" from Innotations of Works Completed in 1955 at the State
Union Sci. Res. Inst; Min. of Radio Engineering Ind.

So: B-3,080,964

ACC NR: AR7002220 SOURCE CODE: UR/0275/66/000/010/A001/A001

AUTHOR: Noskov, D. A.; Ponomareva, L. P.; Sokolov, Yu. M.

TITLE: Testing of certain types of cathodes in near vacuum conditions

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 10A2

REF SOURCE: Tr. Tomskogo in-ta radioelektron. i elektron. tekhn., no. 4, 1965, 90-94

TOPIC TAGS: cathode, tungsten cathode, betatron cathode, rhenium cathode, nickel cathode, lanthanum hexaboride cathode, ion bombardment, cathode emission

ABSTRACT: Three types of cathodes are analyzed: boride-lanthanite, oxide-thorium and a heater-baked cathode. Selection of the type is determined by its working conditions in a betatron injector. Requirements imposed on these cathodes are the following: high emission capacity; resistance to ion bombardment and contamination by residual gases; satisfactory operation under high voltage; mechanical strength and ease of operation; and long service life. Examination of

Card 1/3

UDC: 621.385.7

ACC NR: AR7002220

the influence of ion bombardment on lanthanite hexaboride cathodes has shown their stability to exceed considerably that of tungsten and rhenium. After the termination of the experiment, the boride-lanthanite cathode was kept in open air for 24 and 30 hours, after which its emission qualities were reexamined. The experiment showed that the cathodes fully recuperate their emission qualities and require no special activation. The strong heater current, which is the shortcoming of these cathodes, can be decreased by changing their dimensions or by indirect heating. The baked (impregnated) cathode, consisting of 70% nickel powder and 30% ternary carbonate, sintered with a nickel sublayer, is one of the cathodes most suitable for the betatron injector. Experiments show that the cathode completely recuperates its emission qualities after long exposure to the air and lengthy activation. Emission without additional activation decreases by a factor of two. Emission stability tests were conducted for 24 hours. At the end of the period, the emission was found to decrease by only 1%. The main qualities of this cathode are its high emission in pulsed conditions (30 amp/cm²) and its low working temperature (950 to 1200° K). The shortcoming of this cathode is the need to activate it after exposure to the open air, which makes its use rather difficult. The pressed oxide-thorium cathode is the strongest from the mechanical point of view. It is made of a sintered ceramic-metal mixture, pressed from

Card 2/3

ACC NR: AR7002220

thorium oxide with the addition of a refractory metal (molybdenum or tungsten). These cathodes are characterized by the absence of sparking, they are easily activated, show great resistance to deactivation by residual gases and ion bombardment, and have a very slow decay of emission during current takeoff. The capacity of the cathode to give a considerable emission in the pulse makes it possible for the cathode to work with pulses of long duration without a noticeable decay in the emission current, and also to work in large duty cycles. The influence of the degree of evacuation on the emission was tested. Readings were made of the emission characteristics at $8 \cdot 10^{-5}$ mm Hg and $2 \cdot 10^{-4}$ mm Hg. At $8 \cdot 10^{-5}$ mm Hg, the emission qualities of the cathode did not change, and at $2 \cdot 10^{-4}$ mm Hg, they changed insignificantly. The bibliography has 2 references.
[Translation of abstract] [GC]

SUB CODE: 09/

Card 3/3

KRASIL'NIKOVA, L.N.; YEFIMOVA, M.G.; PONOMAREVA, L.S.

Colorimetric test tube method of determining gold and silver
in lean ores and products of nonferrous metallurgy. Sbor.
trud. VNIITSVETMET no.9:9-16 '65.

(MIRA 18:11)

YEFIMOVA, M.G.; PONOMAREVA, L.S.; YEGOROVA, V.M.

Determining gold and silver in arsenical products. Sbor. trud.
VNIITSVETMET no.9:17-21 '65.

(MIRA 18:11)

PONOMAREVA, L. T. (Cand. Tech. Sci.)

"Ekspanon Insulating Material,"

report presented at a Conference on New Electrical Insulating Materials and
Technological Processes, Leningrad, Dec 1957

"works in Kalinin"

PONOMAREVA, L. V.

USSR/Medicine - Typhus

Oct 53

"Application of the Reaction of Complement Fixation for the Diagnosis of Typhus," I. L. Bogdanov, L. V. Ponomareva, Clinic of Infectious Diseases, Sverdlovsk Med Inst, Sverdlovsk Dermatol-Venerol Inst

Zhur Mikro Epid i Immun, No 10, pp 86-7

Comparison of the reaction of complement fixation (I), the Epstein-Weigl reaction (II), and the Weil-Felix reaction (III) showed that I is more sensitive and specific than either II or III.

266T30

PONOMAREVA, L.V.

Psoriasis and chronic tonsillitis. Vest. dermat. i ven. no. 5:26-
30 '65. (MIRA 18:11)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof.
M.S. Kaplun) Irkutskogo meditsinskogo instituta. Submitted
July 15, 1965.

PONOMAREVA, M.I., aspirant; DRUZHKO, V.Ya., veterinarnyy fel'dsher

Treating mastitis in swine. Veterinariia 42 no.7:86-87 J1 '65.
(MIRA 18:9)

1. Poltavskiy sel'skokhozyaystvennyy institut.

L 54525-65

ACCESSION NR: AP5017991

UR/0240/64/000/009/0067/0069

8
B

AUTHOR: Petrov, V. I. (Chief physician); Ponomareva, M. I. (Meritorious physician, UkrSSR)

TITLE: Some results in improving the sanitation and epidemiological service to settlements in Dnepropetrovskaya oblast

SOURCE: Gigiyena i sanitariya, no. 9, 1964, 67-69

TOPIC TAGS: health, sanitation, epidemiology, medical personnel

TOPIC TAGS: health, sanitation, epidemiology, medical personnel

ABSTRACT: The article describes the exemplary work done in the oblast to improve sanitary and epidemiological measures and to enlarge the staff of medical personnel in accordance with the directives of the Central Committee CPSU and the Council of Ministers USSR. Orig. art. has 3 tables.

ASSOCIATION: Oblastnaya sanepidstantsiya, Dnepropetrovsk (Oblast Sanitary Epidemiological Station)

SUBMITTED: 18Jun63

ENCL: 00

SUB CODE: LS

NO REF SOV: 000

OTHER: 000

JPRS

PONOMAREVA, M.I. [Ponchmar'ova, M.I.]

Effect of antibiotics on cocci as causative agents of mastitis in
brood sows. Mikrobiol. zhur. 27 no.3:59-64 '55.

(MIRA 18:6)

1. Poltavskiy sel'skokhozyaystvennyy institut. |

CHERKASOVA, A.V., prof.; PONOMAREVA, M.I., aspirant

Laboratory diagnosis of mastitis in swine. Veterinariia 41 no.9:
89-91 S '64. (MIRA 18:4)

1. Poltavskiy sel'skokhozyaystvennyy institut.

PONOMAREVA, M.M.

Effect of carbon dioxide concentration on the photosynthetic rate
[w.s.i.E.]. Trudy Bot. inst. Ser.4 no.14,54-72 '60. (MIRA 14:3)
(Photosynthesis)