"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPA, N.

Determination of the characteristic oscillations of frames having inclined bars with concentrated masses in knots. Studii cerc mec apl 15 no.1:243-258 '64.

1. Institute of Constructions, Bucharest.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

LUPESCU, A., ing.; VOROBCIUC, O., ing.; TOPA, N., ing.

New bridges in the city of Bucharest. Rev transport 8 no. 3: 93-99 Mr '61.

1. Director tehnic la Institutul de proiectare "Proiect Bucuresti" (for Lupescu).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPA, N., ing.

Large panel production according to an improved technology. Constr Buc 16 no.742:2 28 March 1964.

1. Seful atelierului de proiectare al intreprinderii "Progresul", Bucuresti.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPA, N.

Determination of the forced oscillations of some form of frames having masses concentrated at nodes. Studii cerc mec apl 15 no.2:511-518 '64.

1. Institute of Constructions, Bucharest. Submitted November 13, 1963.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPA, S. (Krakow)

Existence problem of the osculating planes of a curve in R_n. Annales Pol math 14 no.2:191-196 '64

On a generalization of Frenet equations. Ibid.:197-209

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPA, Tibor; PATKOS, Andras; R.PELYI, Erno; KAPOSI, Gyula; TOMOR, Jozsef; BENE, Andras; CSOBALY, Sandor

Remark about the article entitled "Freight trains with one trainman on service." Vasut 12 no.12:18-19 D '62.

1. Mozdonyvezeto, Dunaujvarosi Futohaz "MHS" brigadja (for Topa, Patkos and R.Pelyi). 2. Futo, Dunaujvarosi Futohaz "MHS" Brigadja (for Kaposi, Tomor and Bene). 3. Forgalmi osztaly vezetohelyettese (for Csobaly).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPA, V.

K-6

Category : RUMANIA/Optics - Spectroscopy

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 2444

Author : Agirbiceanu, I., Ghita, C., Topa, V., Weiner, R.
Title : Effect of Argon on the Spectrum of I_2 Vapor

Orig Pub : Comun. Acad. RPR, 1955, 5, No 10, 1439-1448

Abstract : Examination of the effect of argon on the visible and ultraviolet spectrum of iodine vapor. The emission was studied in the 3100--3450 A range, in which the diffuse bands of the emission spectrum acquire a structure under the influence of argon; various argon pressures were used. An explanation is offered for this process. The data obtained are compared with the results cited in the works by Vencatersvarlu and Rao, and some disagreement is noted. The cessation of emission in the visible spectrum in the presence of argon (at 10 mm mercury), observed by Vencatersvarlu, is confirmed by the authors' experiments. Also confirmed is the vanishing of the emission spectrum of iodine vapors, previously observed by the authors, except for the 3400 A region in the presence of air at approximately 12 mm mercury. An investigation was made of the effect of argon on the absorption of iodine (using the hyperfine structure of the 5461 A Hg line) and also of the effect of absorption of I_2, both in the presence and in the absence of argon, on the width of the lines of the 5461 A hyperfine structure. A greater broadening of the absorption line was

Card : 1/2

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

Category : RUMANIA/Optics - Spectroscopy K-6

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 2444

established in the presence of argon than in the presence of air at the same pressure (50 mm mercury), and a considerably greater broadening than with iodine alone.

Card : 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

RUMANIA/Optics - Physical Optics K-5

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 18995

Author : Giurgea M., Haragea S., Topa V.
Inst : Not Given
Title : Certain Optical Constants of the Tars of Gum Trees. (Mastic Trees).

Orig Pub : Comun. Acad. RPR, 1957, 7, No 6, 587-590

Abstract : The absorption spectra of mastic were measured in a methanol solution in the interval $0.2 \leq \lambda \leq 1.2$ microns, and for hard mastic in the interval from $0.2 \leq \lambda \leq 2.5$ microns. Simultaneously, a dispersion curve was plotted in the region $0.4 \leq \lambda \leq 0.7$ microns, and was extrapolated with the aid of the Cauchy relation to 1.2 microns. Its equation is of the form $n = a + (b/\lambda^2) + (c/\lambda^4)$, with $a = 1.515953$, $b = 6.4343697 \times 10^5$, and $c = 6.8111175 \times 10^{11}$ (λ in Angstroms).

Card : 1/1

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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

ROUMANIA/Optics - K-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 7209

Author : Agirbiceanu, I., Ghita, C., Topa, V.
Inst : -
Title : Effect of Argon on the Spectrum of I_2 Vapor

Orig Pub : Rev. phys. Acad. RPR, 1958, 3, No 3-4, 195-202

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

GIURGEA, M.; HARAGEA, S.; TOPA, V.

Studies on the oight diffusion in mastic monodisperse suspensions.
Studii cerc fiz 11 no.1:103-116 '60. (EEAI 10:1)
(Light) (Mastic) (Water) (Suspensions)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

L 01071-66 EWT(1)/T/EEC(b)-2 IJP(c) GG

ACCESSION NR: AP5009591 GE/0030/65/009/001/0055/0062

AUTHOR: Topa, V.; Matei, L.; Serban, T.

TITLE: New exciton bands in KI:Na crystals containing A-centers

SOURCE: Physica status solidi, v. 9, no. 1, 1965, 55-62

TOPIC TAGS: exciton, exciton band, impurity center, potassium iodide crystal, single crystal, potassium iodide, sodium doped crystal

ABSTRACT: Type A-centers are found in KI:Na single crystals. The conversion F→A is followed in the visible region and near the fundamental absorption edge. The intensity of the β-band decreases with the formation of A-centers and at the same time a new band (β_A) is formed at longer wavelengths. The disappearance of A-centers results in a broad A_c-band in the visible region which is accompanied by the formation of an α_A-band in the ultraviolet region, at wavelengths shorter than those corresponding to the α-band. As the intensities of the A_1- and β_A-bands are proportional the occurrence of the β_A- and α_A-bands can be explained qualitatively by exciton formation near A-centers or vacancies which are due to negative ions with a Na ion as nearest neighbor. "The authors would like to thank Prof. Tarjan

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

L 01071-66

ACCESSION NR: AP5009591

4

for his helpful discussions on the occasion of presenting this work at the Conference of Solid State Physics, Bucharest, November 1964." Orig. art. has: 7 figures.

55

ASSOCIATION: Institute of Physics, Bucharest 55

SUBMITTED: 04Jan65 ENCL: 00 SUB CODE: SS

NO REF SOV: 000 OTHER: 012

Card 2/2 DP

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

L 36835-66 EWT(1)/T/EWP(t)/ETI IJP(c) GG/JD

ACC NR: AP6024344 SOURCE CODE: GE/0030/66/016/001/0137/0145

46

B

AUTHOR: Topa, V.; Haragea, S.

ORG: Institute of Physics of the Academy of the RSR, Bucharest

TITLE: Color centers in x-irradiated NaCl:Ag and NaCl:(Ag+Ca) crystals

SOURCE: Physica status solidi, v. 16, no. 1, 1966, 137-145

TOPIC TAGS: color center, radiation effect, alkali halide, ~~x ray, x ray bombardment~~, radiation damage, x ray irradiation, sodium chloride, silver, calcium

ABSTRACT: A study was made of color centers induced by x-irradiation at room temperature in NaCl:Ag and NaCl:(Ag+Ca). The induced bands in NaCl:Ag were strongly dependent on the concentration of Ag and the exposure time. The B-, C-, and D-bands were shown to have complex structure. Three components of the B-band, four of the C-band, and two of the D-band were found at the liquid nitrogen temperature. Optical bleaching in F-light showed only a component of the B-, C-, and D-bands to be definitely electronic. Only the optical bleaching of the F-band in NaCl:Ag resulted in a simple B-band similar to that obtained by electrolytic coloring. The incorporation of both Ca and Ag in NaCl and subsequent x-irradiation led to very intensive B- and D-bands, which shifted to shorter wavelengths. The optical bleaching experiments on these crystals suggested that color centers containing both Ca and Ag are probably formed. [CS]

Orig. art. has: 8 figures.

SUB CODE: 20,07/ SUBM DATE: 06Apr66/ OTH REF: 009/ SOV REF: 002/ ATD PRESS: 5038

Card 1/1 ns

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

BOUZHIK, Yatsek [Bouzyk, Jacek]; S[illegible]SKI, Witold [Suwalski, Witold]; TOPA, Yezhi, [Topa, Jerzy];

Certain experiments on determining the neutron cross section absorption in the reactor by the pile oscillator method. Nukleonika 8 no.7:443-450 '63.

1. Institut yadernikh issledoveniy, Varshava-Sverk.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPACHEVS'KIY, A.V. [reviewer]; GOLLERBAKH, M.M.; POLYANSKIY, V.I.; ZABELINA, M.M.; KISELEV, I.A.; PROSHKINA-LAVRENKO, A.I.; SHESHUKOVA, V.S. [authors].

Review of the "Guide to fresh-water algae of the U.S.S.R." (no.1:"Study of fresh-water algae. General survey," M.M.Gollerbakh, V.I.Polianskii; no.4: "Diatomaceous algae," M.M.Zabelina, I.A.Kiselev, A.I.Proshkina-Lavrenko, V.S.Sheshukova). O.V.Topachevs'kiy. Bot.zhur.[Ukr.] 9 no.1:87-88 '52. (MLRA 6:11)

(Algae) (Gollerbakh, M.M.) (Zabelina, M.M.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPACHEVS'KIY, O.V.

KORSHIKOV, O.A.; ROLL, Ya.V., redaktor; OKSNER, A.M., doktor biologicheskikh nauk, redaktor; TOPACHEVS'KIY, O.V., kandidat biologicheskikh nauk, redaktor; KRIVENKO, V.V., redaktor; SIVACHENKO, E.K., tekhredaktor.

Subclass Protococcineae: Vacuolales and Protococcales. Vyznachnyk prisnovodnykh vodorostei Ukrains'koi RSR no.5:3-437 '53. (MIRA 8:4)
(Ukraine--Algae)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPACHEVS'KYY, O.V.

Evolution of nutrition and the primary algal organisms. Bot.zhur.[Ukr.] 10 no.3:26-33 '53. (MLRA 6:8)

1. Kyyivs'kyy universytet im. T.H.Shevchenka, kafedra nyzhchykh roslyn. (Coenobic plants)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPACHEVS'KIY, O.V.

Origin and types of reproductive processes in aquatic plants. Nauk.zap.Kiev.un. 13 no.6:65-73 '54. (MLRA 9:10)

(Aquatic plants) (Plants--Reproduction)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

USSR/General Division. General Problems. Philosophy. Methodology A-1

Abs Jour : Ref Zhur-Biologiya, No 3, 1958, 9225

Author : O. V. Topachevskiy

Inst :

Title : Form of Primary Organisms and the Morphological Evolution of the Cell Membrane in Algae

Orig Pub : Unr. Botanichii zh., 1936, 13, No 4, 3-12

Abstract : A survey of the views of a number of biologists, cytologists and biochemists on the problem of the form of primary organisms and their further morphological complex formation. The development of the cell membrane occurs in two stages; 1) the formation of the primary membrane (plasmalleta, pellicule) and 2) the formation of the secondary morphologically isolated membranes. The second stage takes place in three

Card 1/2

Kiev State Univ im T. G. Shevchenko

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPACHEVSKIY, V. O.

15-57-2-1414

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2, p 34 (USSR)

AUTHOR: Topachevskiy, V. O.

TITLE: The Fauna of Olvia (Fauna Ol'vii--in Ukrainian)

PERIODICAL: Zbirnik prats' zool. muzeyu AN UkrSSR, 1956, Nr 27, pp 61-129

ABSTRACT: The author arrived at the following conclusions on the basis of a study dealing with numerous osteological material discovered during the excavations of the ancient town of Olvia which had existed on the shore of the Bug estuary from the 6th century B.C. to the 4th or 5th century A.D.: 1) Cattle-breeding played the main role in the economic activity of the Olvia inhabitants; hunting and fishing was of secondary significance. 2) Almost all the domestic animals were of local origin, with the exception of the camel, the donkey, the western-type horse and some others which are encountered in an insignificant quantity. 3) The leading position

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15-57-2-1414

The Fauna of Olvia (Cont.)

in the economy was occupied by large horned livestock represented by three varieties. 4) The small horned livestock (goats and sheep) played a significant role. 5) The pig is represented by a primitive kind of the western type which had preserved many characteristics of the wild European boar Sus scrofaférus. 6) Few bones of horses were found. However, since horses were used mainly as draft animals, only a small quantity of their bones could find their way to kitchen refuse. The majority of these horses belonged to the eastern-type represented by several species. 7) Dogs were very important in the life of the population; this fact is born out by the variety of their species. 8) Many species in this fauna are not found in the Black Sea district today. To them belong: the wild ass, antelope, auroch, wisent, wild boar, beaver, moose, northern deer, and others. The disappearance of these animals is explained by the human activity. Moose and northern deer appear to be newly arrived species of the local fauna. 9) The presence of the beaver-moose group proves the distribution of forests in the Bug valley, and the findings of wild ass, antelope, mole-rat, and others bear out the existence of steppe conditions on the watersheds. A bibliography of 25 titles is included.

Card 2/2 A. A. P.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPACHEVSKIY, A.V. Doc Bio Sci -- (diss) "Fundamental principles of the current phylogenetic classification of algae." Kiev, 1958, 28 pp with diagrams (Acad Sci UkSSR. Department of Bio Sci) 150 copies. Bibliography ~~in back~~ at end of text (15 titles).

(KL, 21-58, 89)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

SOV-21-58-9-25/28

AUTHOR: Topachevskiy, V.A.

TITLE: New Data on the Occurrence of Scirtopoda Telum, Alactagulus Acontion, Dicrostonyx Torquatus, Lagurus Lagurus and Lagurus Luteus in the Ukraine During the Pleistocene (Novyye materialy k rasprostraneniyu yemuranchika, tarabaganchika, kopytnogo lemminga, stepnoy i zheltoy pestrushek v pleystotsene Ukrainy)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 9, pp 1010 - 1014 (USSR)

ABSTRACT: The author studied the fossils of some rodents in the Ukraine, analyzed their occurrence during the Pleistocene in order to restore the landscape conditions which existed at that time. In view of the fact that most of the data were collected in re-deposited state, the geological age of the bones was determined by the collagenous method developed by I.G. Pidoplichko [Ref.12]. The author describes these data as to the occurrence of Scirtopoda telum, Alactagulus acontion, Dicrostonyx torquatus, Lagurus lagurus and Lagurus luteus during the Pleistocene (Rissian or Riss-Wurmian stage). Comparing data on the occurrence in the past of these rodents, the author concludes that the zone of Lagurus luteus predominance coincides approximately with the occurrence in the Dnepr area of the Ukraine in the Pleistocene and early Eocene of arid

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

New Data on the Occurrence of Scirtopoda Telum, Alactagulus Acontion, Dicrostonyx Torquatus, Lagurus Lagurus and Lagurus Luteus in the Ukraine During the Pleistocene SOV-21-58-9-25/28

steppes of a semi-desert type. The northern boundary of the occurrence of Scirtopoda telum and Alactagulus acontion coincides with the northern boundary of Pleistocene xerophilic continental steppes, and the zone of Lagurus lagurus predominance and the occurrence of Dicrostonyx torquatus coincides with the southern boundary of mesophilic steppes and, in part, with the forest-steppe. There are: 1 graph, 1 map and 17 references, 14 of which are Soviet, 1 English, 1 German and 1 Hungarian.

ASSOCIATION: Institut zoologii AN USSR (Institute of Zoology of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, A.P. Markevich

SUBMITTED: March 8, 1958

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration

1. Paleoecology 2. Geological time--Determination
3. Geology--USSR

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPACHEVSKIY, A.V. [Topachevs'kyi, O.V.

Notes on the phylogenetic system of green algae proposed by K.I. Meier [with summary in English]. Ukr. bot. zhur. 15 no.1: 88-94 '58. (MIRA 11:5)

1.Kiivs'kiy derzhavniy universitet im. T.G. Shevchenka, kafedra nizhchikh roslin.

(Algae)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

30 (1) SOV/21-59-6-22/27

AUTHOR: Topachevskiy V. O. (Topachevskiy, V.A.)

TITLE: A New Form of Water Mole from the Middle and Late Pleistocene of the Ukrainskaya SSR

PERIODICAL: Dopovidi Akademii Nauk Ukrains'koi RSR, 1959, pp 666 - 671 (USSR)

ABSTRACT: The author notes the lack of study of the Desmana species, only some features of which have been described by O. P. Kornyeyev [Ref. 9] and I. H. Pidoplichko [Ref. 10]. The article constitutes a description of this water mole (D. moschata palaeolorysthenica subsp.nova) of Middle and Late Pleistocene and partly of Early Holocene age, from the Dneper and Desna areas of the Ukrainskaya SSR, kept in the paleozoological section of the Institute of Zoology of the AS UkrSSR.
There are 2 sets of drawings, 2 tables and 14 references, 4 of which are Soviet, 3 Hungarian, 1 Polish, 5 German and 1 Austrian.

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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

SOV/21-59-6-22/27

A new Form of Water Mole from the Middle and Late Pleistocene of the Ukrainskaya SSR

ASSOCIATION: Institut zoologii AN UkrSSR (Institute of Zoology of the AS UkrSSR)

PRESENTED: By V. H. Kas'yanenko, (V.G. Kas'yanenko) Member AS UkrSSR

SUBMITTED: January 15, 1959

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

30 (2) SOV/21-59-8-20/26

AUTHOR: Topachevs'kyy, V. O. (Topachevskiy, V. A.)

TITLE: Remains of a Horse Close to the Sivalic and Jerboa of the Genus Paralactaga from the Upper Pliocene Deposits of Southern Ukraine

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 8, pp 898 - 902 (USSR)

ABSTRACT: The article presents an extensive description of the remains of a horse close to the sivalic and the jerboa of the genus Paralactaga. The remains were found in the Upper Pliocene deposits of the Southern part of the Dnepr river in the village of Kaira, Gornostayevskiy rayon, Kherson oblast'. The preservation conditions of the remains and the composition of fauna at this discovery place are given in the previous works of the author [Ref. 6, 7]. In Europe, these are the first finds of Equus aff. sivalensis and Paralactaga. Up to-date, the above mentioned species were found in the Lower-Pliocene deposits of Mongolia and Northern China (Paralactaga) [Ref. 1, 2], and in the Upper Pliocene

Card 1/3

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

SOV/21-59-8-20/26

Remains of a Horse Close to the Sivalic and Jerboa of the Genus Paralactaga from the Upper Pliocene Deposits of Southern Ukraine

deposits of Northern India (E. sivalensis [Ref. 3 - 5]. The finding of the horse remains close to the sivalic and the jerboa of the genus Paralactaga in the Upper Pliocene deposits of the Black Sea area in the Ukrainian SSR prove once more the close paleozoogeographical links between the Pliocene fauna of Southeastern Europe on the one hand and that of Central and Southern Asia on the other hand. The isolated Paralactaga sp. M_2dex. is kept in the collection of the Otdeleniye paleozoologii Instituta zoologii An USSR (Paleozoology Department of the Institute of Zoology of the UkrSSR) under the Nr 29 - 55. The mineralization of the bone is complete. The color of the enamel varies between dark-yellow and dark-brown. A table in the article shows the sizes and correlations for the lower jaws of the late Pliocene and of some early anthroprogenic horses (Equus). There is 1 figure, 1 table and 13 references, 8 of which are Soviet, 1 American, 1 German and 3 Latin.

Card 2/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

SOV/21-59-8-20/26

Remains of a Horse Close to the Sivalic and Jerboa of the Genus Paralactaga from the Upper Pliocene Deposits of Southern Ukraine

ASSOCIATION: Institut zoologii AN USSR (Institute of Zoology of the AS of UkrSSR)

PRESENTED: By V. H. Kas'yanenko (V. G. Kas'yanenko), Member, AS UkrSSR

SUBMITTED: January 21, 1959

Card 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPACHEVSKIY, A.V.

Embryonic development and recapitulation phenomena in unicellular algae. Zhur.ob.biol. 20 no.5:379-389 S-O '59. (MIRA 13:1)

1. Kiyevskiy gosudarstvennyy universitet.
(ALGAE) (BOTANY--EMBRYOLOGY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPACHEVSKIY, Aleksandr Viktorovich [Topacheva'kyi, O.V.]; OKSIYUK, Ol'ga Petrovna; OKSNER, A.M., doktor biolog.nauk, otv.red.; BRAGINSKIY, L.P. [Brahins'kyi, L.P.], red.izd-va; KOVAL', V.A., red.izd-va; MATVIYCHUK, O.O., tekhn.red.

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JITARIU, P.; TOPALA, N.; AILIESEI, O.

Influence of magnetic fields on the dynamics of rabbit antibody formation. Studii cerc biol s. zool 16 no. 3:205-211 '64.

1. Laboratory of Man and Animal Physiology, and the Laboratory of General Microbiology, "Al. I.Cuza" University, Iasi.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

JITARIU, P.; LASCU, N.; TOPALA, N.; LAZAR, M.

Action of the magnetic feilds on the antitoxic and antitetanic immunity of guinea pigs. Studii cerc biol s. zool 17 no.1:47-51 '65.

1. Chair of Animal Physiology, "Al.I.Cuza" University, Iasi, and the Cantacuzino Institute, Iasi. Submitted October 16, 1964.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOBALER, M.

System of vocational education in Austria. Prof.-tekh. obr. 18 no.5:30-32 My '61. (MIRA 14:8)
(Austria--Vocational education)

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L 36132-66 EWT(d)/EWT(1)/EWT(m)/EWP(v)/T/EWP(k)/EWP(h)/EWP(1) WW/DJ

ACC NR: AP6016581 (A) SOURCE CODE: UR/0182/66/000/005/0032/0036

37
B

AUTHOR: Topaler, S. M.; Anni, V. A.

ORG: none

TITLE: Regulation of the pressure and slide velocity of hydraulic presses with individual pump-accumulator drive 14

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 5, 1966, 32-36

TOPIC TAGS: metal press, hydraulic device, fluid pump, hydraulic pressure amplifier

ABSTRACT: Certain self-contained high-speed hydraulic presses use the accumulator system to supply the energy. Such a system is capable of supplying a large volume of hydraulic fluid at a relatively constant pressure in a short time. This type of system requires smaller volume capacity pumps than direct-connected systems since the pumps can recharge the accumulator during the idle period of the press cycle. The time required for loading and unloading dies is determined by the recharging-time requirements. In presses of this kind, however, whether they are vertical stamping presses or horizontal tube presses, the adjustment of pressure to the desired level, during the processing of products which do not require applying the full rated press tonnage, involves overconsumption of energy, decline in efficiency and occasional breakdowns. Most of these shortcomings can be adverted by carrying out these adjustments through

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stepless regulation of pressure in the pump-accumulator unit, as shown in Fig. 1. One

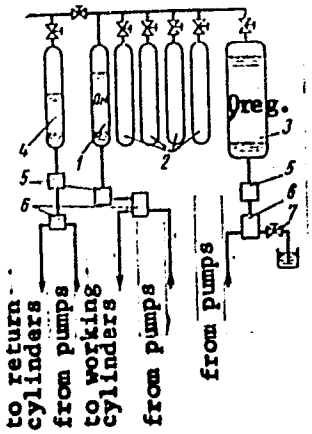

Fig. 1. Diagram of pump-accumulator station with stepless adjustment of pressure:
1 - water cylinder; 2 - air cylinders; 3 - pressure-control cylinder; 4 - return-cylinder accumulator; 5 - cut-off valves; 6 - lower-level control valves; 7 - bleed valve

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ACC NR: AP6016581

or several fluid-filled pressure-control cylinders 3 are connected to the standard pump-accumulator unit consisting of water-filled cylinder 1 and air cylinders 2 containing enough air to assure the minimal required drop in pressure over a working cycle. By changing the volume of fluid in cylinders 3 it is possible to change the volume of air in the accumulator and hence also to adjust pressure. An increase in pressure is achieved by pumping fluid into cylinders 3 and a decrease in pressure, by bleeding part of the fluid into the pumping-unit tank. The unit can be adjusted to any pressure within the control range with the aid of a pressure gauge. This design has been experimentally incorporated with good results in the drives of 7,000, 10,000-, 15,000- and 30,000-ton hydraulic stamping presses; each press is actuated by its own accumulator in which the pressure is adjusted within the range of from 320 to 180 kg/cm^2 within 3-5 min. The results have been satisfactory; thus, the concomitant reduction in power consumption of the 7,000-ton press produced savings of 22,000 rubles per year. Another problem, namely, the regulation of the rate of motion of press tools in presses of this kind, could also be solved by using the individual pump-accumulator drive with stepless regulation of pressure by connecting or disconnecting as needed some of the air cylinders so as to regulate the degree of air expansion during the working and idle strokes of the press tools. Orig. art. has: 6 figures, 10 formulas.

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 001

Card 3/3

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALOV I. B.

COUNTRY : BULGARIA

CATEGORY : Pharmacology and Toxicology. Toxicology. Poisonous Plants

V

ABS. JOUR. : RZhBiol., No. 5 1959, No. 23293

AUTHOR : Topalov, I. B.

INST. : -

TITLE : On Several Cases of Dermatitis Caused by Rhus toxicodendron (Poison Sumac)

ORIG. PUB. : S"vrem. med., 1957, 8, No 6, 102-103

ABSTRACT : No abstract

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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALKAROYEV, A.T., kand.tekhn.nauk; KHVADAGIANI, T.Sh., gornyy inzh.

Magnetoelastic instruments to study manifestations of rock pressure. Ugol' 35 no.2:36-39 F '60. (MIRA 13:5)

1. Institut gornogo dela AN Gruzinskoy SSR.
(Rock pressure--Testing) (Magnetic instruments)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALKAROYEV, A.T., kand.tekhn.nauk

Calculating the parameters of anchor (rod) bolting.
Ugol' 37 no.1:18-22 Ja '62. (MIRA 15:2)

1. Institut gornogo dela AN Gruzinskoy SSR.
(Mine timbering)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALKAROYEV, A.T.

Theory of mine roof bolting. Soob. AN Gruz. SSR 24 no. 1:57-64 Ja '60. (MIRA 14:5)

1. Akademiya nauk Gruzinskoy SSR, Institut gornogo dela, Tbilisi. Predstavleno chlenom-korrespondentom Akademii F.N. Tavadze.
(Mine roof bolting)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

KOZLOVSKIY, B.V., inzh.; TOPALLER, A.D., inzh.; IVANOV, I.V., inzh.

Modernization of the continuous production line for machining the axle boxes of diesel locomotives. Mashinostroenie no.4: 47-49 Jl Ag '64. (MIRA 17:10)

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L 19183-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JD

ACCESSION NR: AR3004208 S/0276/63/000/005/G049/G050

SOURCE: RZh. Tekhnologiya mashinostroyeniya, Abs. 5G317

AUTHOR: Babich, Yo. P.; Voloshina, A. S.; Maksimova, L. N.; Saburov, V. P.; Topaller, A. N.

TITLE: Study of causes of formation of sievelike porosity in cast steel

CITED SOURCE: Sb. Liteyn. proiz-vo. Omsk, 1962, 51-74

TOPIC TAGS: sievelike porosity, cast steel, porosity formation, sievelike porosity

TRANSLATION: Results of experiments confirmed the theory of sievelike porosity formation (SP). Conditions for formation of sievelike porosity are: simultaneous presence in liquid steel of hydrogen and ferrous oxide in quantities greater than critical at the time of formation of a hard skin on the cast; as well as a long time interval between filling the mold and skin formation on the surface of the cast. SP has been successfully artificially created by introducing as oxidizer manganese peroxide into normally oxidized steel. A method has been developed for detection of SP by means of etching the cast surface after removing from it a 2 mm. layer. By utilizing the method of artificially obtaining SP and the method of its

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ACCESSION NR: AR3004208

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detection the effect of a number of factors affecting the formation of SP has been established and tested. These factors may be divided into those that contribute to the formation of SP (presence of humidity in the mold, additions etc; increase in filling density and hence a decrease in gas permeability of the mold; high temperature of casting), and those which either impair SP formation or completely eliminate it (increasing carbon content in steel, increase in ferrostatic pressure, sufficient thickness of cast walls and qualitative deoxidation of metal in the furnace, with a necessary quantity of aluminum in the ladle). Eight figures, twelve references.

DATE ACQ: 21Jun63 SUB CODE: IE, MA ENCL: 00

Card 2/2

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TRAPEZNIKOV, F.F.; MINASHINA, N.G.; TOPALOV, G.M.

First results of the reclamation of new lands in the Murgab Oasis. Izv.AN Turk.SSR.Ser.biol.nauk no.3:28-33 '62. (MIRA 15:9)

1. Institut pustyn' AN Turkmenskoy SSR.
(MURGAB OASIS--RECLAMATION OF LAND)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

STOICHEV, A.; TOPALOV, I.

Our experience with intra-osseous anesthesia in injuries and its method. Khirurgiia (Sofia) 15 no.1:41-47 '62.

1. Voenna bolnitsa, Sliven. Nachalnik: Iv. Vasilev.

(ANESTHESIA LOCAL) (ORTHOPEDICS anesth & analg)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALOV, I.

On some etiopathogenic aspects of idiopathic varicocele. Khirurgiia (Sofia) 14 no.11:1037-1043 '61.

1. Voenna bolnitsa, Sliven. Nachalnik: Iv. Vasilev.

(VARICOCELE etiol)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALOV, I., STOICHEV, A.

Apropos of Bernardi's operation in idiopathic varicocele.
Khirurgiia (Sofiia) 16 no.9:857-861 '63.

1. Vissh voennomeditsinski institut, Sofiia.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALOV, I.

A new rapid method for intestinal resection. Khirurgiia (Sofiia) 16 no.10:953-954 '63.

1. Voenna bolnitsa, Sliven. Nachalnik: Iv.Vasilev.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALOV, I.

A new hemostatic suture of the liver. Khirurgiia, Sofia 13 no.2-3: 201-203 '60.

1. Iz khirurgichnoto otdelenie pri Voennata bolnitsa - Sliven.
(LIVER surg.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

STOICHEV, A.; TOPALOV, I.; BELOV, St.; PISEV, Iv.

Our experience with a combined contrast method. Khirurgiia, Sofia 14 no.2/3:356-359 '61.

1. Khirurgichno i rentgenovo otdelenie, Voenna bolnitsa, Sliven.

(PNEUMOPERITONEUM ARTIFICIAL)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

STOICHEV, A.; TOPALOV, I.

Autotransplantation of the kidney in experimental conditions. Khirurgiia, Sofia 14 no.2/3:373-374 '61.

1. Khirurgichno otdelenie, Voenna bolnitsa, Sliven.

(KIDNEYS transpl)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

BULGARIA

Maj Il. RADEV and Maj Iovcho TOPALOV, Medical Corps.

"Free-Lying Dermoid Cyst in the Small Pelvis."

Sofia, Voenno Meditsinsko Delo, Vol 7, No 4, Dec 1962; pp 81-82.

Abstract: A free-floating dermoid cyst was found in a 42-year old woman referred for surgery with the categorical diagnosis "calcified hydatid cyst"; uneventful recovery after removal. Rentgenogram, photograph of specimen. No references.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

KRUSTINOV, G.; POPALCV, I.; MANOLAVA, M.

Apropos of the diagnosis and therapy of arterial embolism.
Suvr. med. (Sofiia) 15 no.8:25-30 '64

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALOV, I.

On thromboembolic complications following fractures and contusions of lower extremities. Khirurgiia 15 no.9/10:979-983 '62.

1. Iz khirurgichnoto otdelenie pri Voenna bolnitsa - Sliven.
(THROMBOEMBOLISM) (LEG INJURIES)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3

TOPALOV, I.B.; GOSPODINOV, G.I.

Local heparinization through the spermatic vein in portacaval anastomoses. Khirurgiia 36 no.4:97-100 Ap '60. (MIRA 13:12)
(PORTACAVAL ANASTOMOSIS) (THROMBOSIS)
(HEPARIN)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310005-3"