"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, A.M.; GYABCHENKO, N.I.; PASYNSKIY, A.G.; TSEYTLIN, P.I.

Electron microscopic study of the flexibility of single-strand and double-strand (native and denaturated) forms of DNA. Radiobiologiia 5 no.3:330-333 '65. (MIRA 18:7)

1. Institut biokhimii imeni Bakha AN SSSR i Institut eksperimental'noy biologii AMN SSSR, Moskva.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

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TONGUR, A.M.; ZAYDES, A.L.; PASYNSKIY, A.G.

Study of deoxyribonucleic acid by electron microscopy.
Radiobiologiia 3 no.4:492-493 '63. (MIRA 17:2)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

Ca

12

Vitaminizing egg powder. V. Tongur. *Myasnaya Ind.* 1939, No. 5, 32-3; *Khim. Referat. Zhur.* 1939, No. 12, 116.—The introduction of vitamin C (which is sensitive to heat and to bases) is complicated by the conditions of the production of the powder and by its alk. reaction. Since pyrophosphates protect ascorbic acid from oxidation in both the acid and alk. media, expts. were performed on treatment of egg powder with a soln. of a mixt. of ascorbic acid and $Na_4P_2O_7$. The ascorbic acid decreased to $^1/_3$ of its original value mainly during the drying process; it decreased only slightly on keeping. W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PREPARATION INDEX

12

CA

Avoidance of gelation of egg mixtures. V. Tougur and V. Ragosin. *Kholodil'naya Prom.* 19, No. 2, 20(1941); *Chem. Zentr.* 1942, II, 1188.—Storage of egg mixts. at approx. −6° caused molding or bacterial decompn. or alteration of the colloid state with de-stratification or clot-formation on thawing. However, the latter effect can be avoided, regardless of storage temp., by homogenizing the egg mixt. in a milk homogenizer. M. H. Peskin

COMMON ELEMENTS

OPER.

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

CP

12

Retaining the color of meat that has been kept in carbon dioxide. D. A. Khristodulo and V. S. Tongur. *Kholod-il'noe Prom.* **16**, No. 2, 20-3(1938); *Chimie & industrie* **40**, 1093. Cold-storage meat which has been kept in an atm. of CO_2 can be prevented from turning brown by producing on its surface a film of CO-hemoglobin or of NO-hemoglobin. If meat is treated for 30-40 min. with CO at 15°, it will retain its color for 20-25 days at ordinary temp. Treatment for 2-3 sec. at 40° with a 0.05-0.08% $NaNO_2$ soln. permits of retaining the color of the meat for at least a month. A. Papineau-Couture

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V. S. PA 10T51

USSR/Medicine - High Altitude Studies Mar 1947
Medicine - Military

"Biological Action of High Pressures," V. S. Tongur, 14 pp

"Uspekhi Covremennoy Biologii" Vol XXIII, No 3

Discusses the effect of high pressures on colloids, the action of pressure on albumens, the effect of high pressures on ferments, the effect of pressures on microorganisms, the effect of pressure on immunological agents, bacteriophage, and viruses, the action of pressure on muscles, and other biological effects of pressure.

10T51

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

42169. TONGUR, V. S. - Vliyaniye temperatury i davleniya na rastuoryaichnogo byelka. Byulleten' eksperim. Biologii i meditsiny, 1948, No 12, c 440-44.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

CA

118

Effect of pressure on denaturation of egg albumin. V. S. Tongur. *Kolloid. Zhur.* 11, 274-9(1949); cf. *Uspekhi Sovremennoi Biol.* 23, 145(1947). Cryst. egg albumin (I) in H_2O and common I in phosphate buffer at pH 6 were subjected to pressure P for 1 hr. and the turbidity E of the resulting soln. was detd. E was unaffected by P below 3000 atm., but increased by $P > 4000$ atm. Increase of E (i.e., denaturation) at 61° was counteracted by P as long as P was less than 3000; under $P = 6000$ to 7000 denaturation at 61° was more rapid than under 1 atm. This explains the "contradictions" observed by Johnson and Wright (C. A. 40, 4127). J. F. H.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V. S.

25626. TONGUR, V. S. Vliyanie Davleniya Na Denaturatsiyu yaichnogo belka. kolloidnyy Zhurnal, 1949, VYP.4, s. 274-79. ---- Biliogri s.279.

SO: Letopis' Zhurnal' Nykh Statey, Vol. 34, Moskva, 1949.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

CA

112

Effect of pressure on proteins. Renaturation of serum albumin under pressure. V. S. Tongus and N. A. Kaz'mina (Acad. Med. Sci., Moscow). *Biokhimiya* 15, 212-18(1950).—Previously (*Byull. Eksptl. Biol. Med.* 26, 440(1948); *C.A.* 44, 176f), it had been shown that egg albumin which had pptd. as a result of heat denaturation could be brought into soln. (renaturated) by high hydrostatic pressure. Denatured blood serum behaves similarly. A 1.37% soln. of human blood serum albumin was dild. with half the amt. of 0.5 *N* phosphate buffer of pH 6, and denatured by heating for 15 min. at 70°. The suspension was rapidly cooled, and a part of it immediately subjected to pressure. Both the denatured and the pressure treated solns. were brought to the isoelec. point by the addn. of 0.1 *N* HCl, filtered, and the protein content detd. in the filtrate. At a pressure of 2000 atm. practically all of the pptd. serum protein went into soln. In 20 hrs. Serum albumin, in contrast to egg albumin, could be renatured under pressure even though it had stood for a long time in the denatured condition. At a pressure of 1000 atm. the reaction did not proceed to completion; after 70 hrs., the amt. of protein in soln. did not attain the initial value. A pressure of 3000 atm. caused the denatured protein to dissolve rapidly at the beginning; after prolonged action at this pressure denaturation started. The consts. for the speed of reaction at 1000, 2000, and 3000 atm. pressures all agreed, and were of the first order. For viscosity and polarimetry studies, the 3 protein samples (initial, denatured, and pressure-treated) were carefully brought to a pH of 8.5 with 0.1 *N* NaOH. The viscosity and rotation of the initial and pressure-treated (renatured) proteins were identical; the denatured sample possessed higher viscosity and rotation values. From the viscosity detns. at various dilns., the asymmetry of the protein vol. was calcd. according to Polson (*C.A.* 38, 3084f). The asymmetry of the renatured protein was lessened, when compared to the denatured protein, and approached the value of the unchanged starting product. Tryptic digestion proceeded at the same rate for the initial and renatured proteins, in contrast to the more rapid rate of digestion for the denatured protein. Heat and pressure have opposite effects on proteins. When subjected to heat, the protein loses its soly., viscosity is increased, together with the asymmetry of the protein mol.; there is an increase in rotation and in the rate of tryptic digestion. When the denatured protein is subjected to high pressure, all these consts. change in the opposite direction. A new, purely phys. method has been discovered for the renaturation of serum albumin.

H. Priestley

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CA

11A

Reversibility of thermal denaturation of protein under pressure. V. S. Tongur and V. I. Kasatochkin (Moscow Pharm. Inst.). *Doklady Akad. Nauk S.S.S.R.* 74, 553-6 (1950).—Cryst. human blood albumin (1%) in phosphate buffer at pH 6 was heated in rubber sacs in a high-pressure autoclave 1 hr. Controls were run in the same app. without pressure. With pressure of 1000-7000 atm. at 20°, 70.5°, and 78.4°, the following was found: at pressures above 1000 atm. the equil. shifts toward natural protein (measured by turbidity of solns.); at pressures above 5000 atm. the protein is denatured by pressure and turbidity rapidly rises. Initial pressure needed for denaturation rises with increased temp. (results given graphically). The calcd. equil. concns. of denatured protein, calcd. as a function of pressure, agreed well with exptl. data. The following values for ΔF, ΔH, and ΔS, for the reaction were calcd.: at 293°K. and 1000 atm. 1635 kcal./mole, 24,000, and 76.3 kcal./mole/degree, resp.; at 2000 atm. and 343.5°K. −1133, 23904, and 73.0, resp.; at 2500 atm. and 343.5°K. −457, 24050, and 71.2, resp.

G. M. Kosolapoff

TONGUR, V.S.; TONGUR, A.M.

Regeneration of insulin by pressure. Biokhimiya '51, 16, 410-415.(MLRA 4:10)
(Insulin) (Pressure)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

CA

Some problems of reversible denaturation in proteins.
V. S. Tougur. *Uspekhi Sovremennoi Biol.* 31, 391–412 (1951).—Denaturation and renaturation are reviewed for blood serum proteins, hemoglobin, insulin, pepsin, pseudoglobulin, peroxidase, β-lactoglobulin, trypsin-inhibitor, pepsinogen, trypsin, chymotrypsin, invertase, maltase, amylase, urease, and a protein of visual purple. I. F. S.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V. S.

TONGUR, V. S. - "Recovery of Proteins Under Pressure." Sub 28 Feb 52, Moscow Chemicotechnological Inst of the Meat Industry. (Dissertation for the Degree of Doctorates in Chemical Sciences).

SO: Vechernaya Moskva January-December 1952

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V.S.; KASATOCHKIN, V.I.

Effect of high pressures on thermal denaturation of proteins. Khim. i Fiz.-Khim. Vysokomolekul. Soedineniy. Doklady 7-oy Konf. Vysokomolekul. Soedineniyam, '52, 124-30. (MLRA 5:7)
(CA 47 no.22:12438 '53)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V.S.

Regeneration of egg albumins under pressure. Biokhimiia, Moskva 17 no.4: 495-503 July-Aug 1952. (CLML 25:1)

1. Institute of Nutrition of the Academy of Medical Sciences USSR, Moscow.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V.S.

Effect of high pressures on procollagen. Kolloid. Zhur. 15, 125-9 '53. (MLRA 6:3)
(CA 47 no.16:7859 '53)

1. Nutrition Inst., Acad. Med. Sci., Moscow.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

AZBELEV, V.M.; TONGUR, V.S.; TSEYTLIN, P.I.

"Biochemical bases of medical bacteriology." V.S.Gostev. Reviewed by V.N.Azbelev, V.S.Tongur, P.I.TSeitlin. Zhur.mikrobiol.epid.i immun. no.2:73-75 F '54. (MLRA 7:3)
(Bacteriology) (Biochemistry) (Gostev, V.S.)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

USSR

with the aid of high pressure [illegible] concept of heat denaturation as a structural disorganization of the protein mol[illegible] resulting in an increased molar vol., it [illegible] heat denaturation [illegible] of the protein [illegible] human serum albu- [illegible]

[illegible] that the non- [illegible] that regenerated [illegible] at 62° for [illegible]

resulted in a regenerated protein that, in the properties studied, differed from both the native and the denatured protein [illegible] owing to the oxidation of certain active [illegible] High pressure [illegible] and [illegible]

[illegible] buffer at [illegible] was heated at 70° for 14 min and then subjected to a pressure [illegible] The regenerated protein was practically identical with the initial native protein. Partial regeneration [illegible] denatured serum albumin can be accomplished [illegible] 1.5 hrs.

Inst. Nutrition, AMS USSR
Chair Phys-Chem, Pharmaceutical Inst

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

V. S. Tongur

1000, 2000, and 3000 atm., it was concluded that the rate of regeneration of serum albumin can be satisfactorily expressed by a reaction-rate equation of the 1st order. Since the rate of serum-albumin denaturation can be presented by an equation of the 1st order, the mechanism of the process of serum albumin denaturation is of a unimol. type, provided that some possible interaction between the protein and H_2O is not considered. If the mol. of protein in soln. is conceived as a globular entity, then the process of denaturation and regeneration must proceed in each individual globule independently. The comparatively small value of heat of activation indicates that few weak bonds in the denatured globulin are being broken during activation. The pos. and small value of activation entropy likewise indicates that in some parts of the macromol. there may occur link rotations. Throughout the expts. the activation heat remained practically const. and independent of the pressure. Thus, the basic factor that dets. the increase in the rate of regeneration under pressure is the change in the activation entropy with change of P. Results of calcns. of equil. consts. and thermodynamic values for different temps. and 1000, 2000, and 3000 atm. of P for denatured serum proteins are tabulated. The effect of denaturation and of the reduction in the concn. of the native protein with the increase in [illegible] can be explained [illegible] and denatured forms of protein [illegible] where [illegible] total protein concn. and [illegible] concn. of the native protein. The shift in the denaturation equil. under the influence of [illegible] in the direction of native protein is explained by the increase in the molar vol. of the protein during the denaturation process. Equil. concns. of regenerated protein in relation to pressure were obtained by the following equation $\log K_2 = \log K_1 - \Delta V/2.3RT(P_1 - P_2)$, where ΔV is the mean value of the protein vol. conversion during the pressure interval P_1 to P_2. The calcd. approx. values of the equil. const., of the free energy, and of the entropy of denaturation under atm. pressure and 20° indicate that the equil. form of protein under normal conditions is that of denatured protein.

B. S. Levine

3/3

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

T. Ag. R

Regeneration of gliadin under pressure [illegible]

V. V. Ponomarev, and [illegible] Mil. S. [illegible] S. S. R., Moscow [illegible] (1951). Heat-denatured vegetable protein, gliadin, can be regenerated in a manner similar to heat-denatured animal proteins. The vegetable regenerated protein differs from both the undenatured and the denatured protein from which it has been obtained. B. S. Levine

(2)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

MAKARYCHEV, A.I., TONGUR, V.S.; STEPANYAN-TARAKANOVA, A.M.; BRAKSH, T.A.; CHUDINOVSKIKH, A.V.

Study of the physiological effect of low calory diets containing a minimum amount of proteins and a normal amount of vitamins and salts. Voprit. 15 no.4:18-22 Jl-Ag '56. (MIRA 9:9)

1. Iz Instituta pitaniya AMN SSSR, Moskva.
(DIETS, exper.
minimal calories & normal content of salts & vitamins, eff. on man under normal work load)
(VITAMINS, eff.
normal content in diets with minimal calories & normal content of salts, eff. on man under normal work load)
(SALTS, eff.
normal content in diets with minimal calories & normal content of vitamins, eff. on man under normal work load)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, Y.S.

TONGUR, Y.S.; GOLUBEVA, N.P.; DISKINA, L.S.; SPITKOVSKIY, D.M.; FILIPPOVA, G.V.

Effect of small doses of ionizing radiation on desoxyribonucleoproteins [with summary in English]. Biofizika 2 no.4:469-475 '57. (MIRA 10:9)

1. Institut eksperimental'noy biologii Akademiya meditsinskikh nauk, SSSR, Moskva
(NUCLEOPROTEINS) (X RAYS--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

USSR / Human and Animal Physiology (Normal and Pathological). T-1
General Problems.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 59954

Author : Tongur, V. S.
Inst : Not given
Title : Biochemical Foundations of Irritability

Orig Pub : Vopr. filosofii, 1957, No 6, 154-158

Abstract : No abstract given

Card 1/1

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V.S.

TONGUR, V.S.; DISKINA, B.S.; SPITKOVSKIY, D.M.

Production and properties of artificial complexes of desoxyribonucleic adic with serum albumin [with summary in English]. Biokhimiia 22 no.5:879-887 S-O '57. (MIRA 11:1)

1. Institut eksperimental'noy biologii Akademii meditsinskikh nauk SSSR, Moskva.
(SERUM ALBUMIN,
artif. complexes with desoxyribonucleic acid (Rus))
(DESOXYRIBONUCLEIC ACID,
artif. complexes with serum albumin (Rus))

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V. S.,

V. S. Diskina, V. S. Tongur, D. M. Spitkovskiy

"The production of desoxy nucleoproteids by means of serum albumin and -Chymotrypsin."

report presented at the 10th All-Union Conf. on Highly Molecular Compounds, Biologically Active Polymer Compounds, Moscow, 11-13 June 1958. (Vest.Ak Nauk SSSR, 1958, No. 9, pp. 111-113)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

SPITKOVSKIY, D.M.; TONGUR, V.S.; DISKINA, B.S.

Some conclusions concerning the structure and physicochemical properties of desoxyribonucleoproteins. Biofizika 3 no.2:129-143 '58. (MIRA 11:4)

1. Institut eksperimental'noy biologii AMN SSSR, Moskva.
(NUCLEOPROTEINS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V.

"Nucleic acids in biology and chemistry." Vop.med.khim, 4 no.1:77-80 Ja-F'58 (MIRA 11:5)
(NUCLEIC ACIDS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

ZUBOVSKAYA, A.M., TONGUR, V.S.

Protein synthesis in mitochondrial disorders [with summary in English]
Vop.med.khim. 4 no.6:439-442 N-D '58 (MIRA 12:1)

1. Institute of Experimental Biology, Academy of Medical Sciences of the USSR, Moscow.

(MITOCHONDRIA,
exper. damage, eff. on protein metab., electron microscopy (Rus))
(PROTEIN, metab.
eff. of mitochondrial damage, electron microscopy (Rus))
(MICROSCOPY, ELECTRON,
of protein metab. in mitochondrial damage (Rus))

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

DISKINA, B.S., SPITKOVSKIY, D.M., TONGUR, V.S.

Changes in certain properties of desyxyribonucleoproteins as related to their protein content [with summary in English]. Biokhimiia 23 no.3:382-387 My-Je '58 (MIRA 11:8)

1. Institut eksperimental'noy biologii AMN SSSR, Moskva.
(PROTEINS,
desoxyribonucleoproteins, eff. of protein content (Rus))
(DESOXYRIBONUCLEIC ACID,
same (Rus))

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

ZUBOVSKAYA, A.M.; TONGUR, V.S.

Studies on protein synthesis in destroyed mitochondria. Biul. eksp. biol. med. 47 no.2:56-59 F '59. (MIRA 12:4)

1. Iz Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

(PROTEINS, metabolism,
synthesis in destroyed mitochondria (Rus))
(MITOCHONDRIA,
protein synthesis in destroyed mitochondria (Rus))

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V.S.; BOGOYAVLENSKAYA, N.V.

On the problem of recovering polynucleotidophosphorylase from the animal tissue. Biul.eksp.biol.i med. 47 no.8:63-66 Ag '59. (MIRA 12:11)

1. Iz laboratorii biokhimii (zav. - doktor khim.nauk V.S. Tongur) Instituta eksperimental'noy biologii (dir. - prof. I.N. Maysky) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym).
(PHOSPHORYLASES metab.)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

BOGOYAVLENSKAYA, N.V.; TONGUR, V.S. (Moskva)

Polynucleotide phosphorylase. Usp.sovr.biol. 48 no.1:19-38 Jl-Ag '59. (MIRA 12:12)

(PHOSPHORYLASES)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

SPITKOVSKIY, D.M.; TSEYTLIN, P.I.; TONGUR, V.S.

On the configurations of DNA and certain associated phenomena.
Biofizika 5 no.1:3-15 '60. (MIRA 13:6)

1. Institut eksperimental'noy biologii AMN SSSR, Moskva.
(DESOXYRIBONUCLEIC ACID chem.)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V.S.; TSEYTLIN, P.I.

First All-Union Congress on Nucleic Acids and Nucleoproteins.
Vysokom.soed. 2 no.5:817-822 My '60. (MIRA 13:8)
(Nucleic acids--Congresses)
(Nucleoproteins--Congresses)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, Veniamin Semenovich, doktor khim.nauk; STAROSTENKOVA, M.M., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Biologically active substances] Biologicheski aktivnye veshchestva. Moskva, Izd-vo "Znanie," 1960. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.8, Biologiia i meditsina, no.16). (MIRA 13:8)

(ENZYMES) (HORMONES) (VITAMINS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

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TONGUR, V.

First Conference on Nucleic Acids and Nucleorproteins. Vop.med. khim. 6 no,2:215-219 Mr-Ap '60. (MIRA 14:5)
(NUCLEIC ACIDS) (NUCLEOPROTEINS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

LEYKINA, Ye.M.; ~~TONGUR, V.S.;~~ LIOZNER, L.D.; MARKELOVA, I.V.; RYABININA, Z.A.; SIDOROVA, V.F.; KHARLOVA, G.V.

Nucleoproteins in a normal and regenerating liver. Biokhimiia 25 no.1:96-101 Ja-F '60. (MIRA 13:6)

1. Institute of Experimental Biology, Academy of Medical Sciences of the U.S.S.R., Moscow.
(LIVER metab.)
(NUCLEOPROTEINS metab.)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V., doktor khim.nauk

How the cell was taken apart. Znan.sila 35 no.3:14-16 Mr '60. (MIRA 13:6)

1. Zaveduyushchiy laboratoriyey biokhimii Instituta eksperimental'noy biologii AMN SSSR.

(CELLS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V., doktor khim.nauk

Riddle of the nucleic acids. Znan. sila 35 no. 12:37-39 D '60. (MIRA 13:12)

(Nucleic acids) (Albumin)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V.S. (Moskva)

Certain aspects of the relationship between protein and nucleic acid biosynthesis. Usp. sovr. biol. 49 no.2:156-173 Mr-Ap '60. (MIRA 13:11)

(PROTEIN METABOLISM) (NUCLEIC ACIDS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

LYSOGOROV, Novomir Vasil'yevich, kand. biolog. nauk; TONGUR, Vennamin Semenovich, doktor khim. nauk; ANTONYUK, L., red.; MIKHAYLOVSKAYA, N., tekhn. red.

[Polymers, cells, life] Polimery - kletka - zhizn'. Moskva, Izd-vo TsK VLKSM "Molodaia gvardiia," 1961. 189 p. (MIRA 14:8)
(Biochemistry)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

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TOGUR, V. S., BOGOYAVLENSKAYA, N. V. (USSR)

"Sythesis of Polyribonucleotides by the Enzyme System of the Regenerating Rat Liver."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow, 10-16 Aug 1961.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

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TONGUR, V.S., LEYKINA, T.S., BELOSHAPKINA, T.S., KULIKOVA L.G. (USSR)

"Synthetic Ribonucleoproteins."

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TONGUR, V.S.; SPITKOVSKIY, D.M.; TSEYTLIN, P.I.; GORKINA, N.B.

Relation between the configurational stability of desoxyribonucleic acid and its molecular weight; radiosensitive and radioresistant forms of desolyribonucleic acid. Biofizika 6 no. 1:9-14 '61. (MIRA 14:2)

1. Institut eksperimental'noy biologii AMN SSSR, Moskva.
(DESOXYRIBONUCLEIC ACID) (RADIATION—PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

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TONGUR, V., doktor khimicheskikh nauk

Milestones in research about life. Znan.sila 36 no.11:33-34 N '61. (MIRA 14:11)

(BIOCHEMISTRY--CONGRESSES)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

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TONGUR, V.S.; SHESTAKOV, S.V.

Fifthe International Biochemical Congress. Vop.med.khim. 8 no.1:100-108 Ja-F '62. (MIRA 15:11)

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TONGUR, V.S.

Apropos of D.L.Ferdman's book, "Biochemistry" (in place of a review). Vest.AMN SSSR 17 no.9:94-95 '62. (MIRA 15:12)
(BIOCHEMISTRY)

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BOGOYAVLENSKAYA, N.V.; TONGUR, V.S.

Study of the synthesis mechanism of the polyribonucleotide enzymatic system of animal tissues. Biokhimiia 27 no.4:670-674 Jl-Ag '62. (MIRA 15:11)

1. Institute of Experimental Biology, Academy of Medical Sciences of the U.S.S.R., Moscow.
(NUCLEOTIDES) (LIVER)

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TONGUR, V., doktor khimicheskikh nauk

Protein code is deciphered. Znan.-sila 37 no.6:7-9 Je '62. (MIRA 15:9)

(Nucleic acids)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

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TONGUR, V.S.; VLADYCHENSKAYA, N.S.; ROMANOV, V.V.; VYSHEPAN, Ye.D.

Characteristics of RNA not extract able by pH 6,0 phenol from Escherichia coli. Biul. eksp. biol. i med. 57 no. 2:65-68 F '64. (MIRA 17:9)

1. Laboratoriya biokhimii nukleinovykh kislot Instituta biologicheskoy i meditsinskoy khimii AMN SSSR. Predstavlena deystvitel'nym chlenom AMN SSSR V.N.Orekhovichem.

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KRYLOV, O.A.; DANILOVA, N.A.; TOMOREV, V.S.

Effect of ribonuclease on nonconditioned and conditioned reflexes in ontogeny of white mice. Zhur. vys. nerv. deiat. 15 no.1:79-85 Ja-F '65. (MIRA 18:5)

1. Laboratoriya sravnitel'nogo ontogeneza nervnoy sistemy Instituta mozga AMN SSSR i laboratoriya biokhimii nukleinovykh kislot Instituta biologicheskoy i meditsinskoy khimii AMN SSSR.

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BALANDIN, I.G.; BABUSHKINA, L.M.; TONGUR, V.S.; GENDON, Yu.Z.

Suppression of the DNA activity in the RNA dependent polymerase of cells infected with poliomyelitis virus. Vop. virus. 10 no.5:608-609 S-O '65. (MIRA 18:11)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR i Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.

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TONGUR, V.S. (Moskva)

Reviews and bibliography. Antibiotiki 10 no. 10:955-958 O '65.
(MIRA 18:12)

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KRYLOV, G.A.; TONGUR, V.S.; DANILOVA R.A. (Moskva)

Nature of trace phenomena (memory) in the higher regions of the brain. Usp. sovr. biol. 60 no.3:336-348 N-D '65. (MIRA 19:1)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR i Institut mozga AMN SSSR.

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TONGUR, V.S.; VLADYCHENSKAYA, N.S.

Isolation of RNA and DNA by Kirby-Georgiev phenol method.
Sovr. metod. v biokhim. 1:222-228 '64. (MIRA 18:5)

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TONGUR, V.S.; VYSHEPAN, Ye.D.

Second Conference on Nucleic Acids. Usp. sovr. biol. 60 no.1: 152-159 Jl-Ag '65. (MIRA 18:8)

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MAYSKIY, I.N., glav. red.; TONGUR, V.S., nauchn. red.; BOGOYAVLENSKAYA, N.V., nauchn. red.; VYAZOV, O.Ye., red.; GEORGIYEV, G.Ye., red.; DEBOV, S.S., red.; DOBROKHOTOV, V.N., red.; ZHUKOV-VEREZHNIKOV, N.N., red.; LAGUCHEV, S.S., red.; LIOZNER, L.D., red.; LOMAKIN, M.S., red.; PEKHOV, A.P., red.; TONGUR, V.S., red.; GOSTEV, V.S., red.

[Nucleic acids and nucleoproteins; transactions] Nukleinovye kisloty i nukleoproteidy; trudy. Pod red. I.I Maiskogo, Tongura, V.S i N.V.Bogoiavlenskoi. Moskva, Mosk. biokhim. ob-vo, 1961. 345 p. (MIRA 17:9)

1. Konferentsiya po nukleinovym kislotam i nukleoproteidam. 1st, Moscow 1959. 2. Institut eksperimental'noy biologii AMN (for Tongur, Gostev). 3. Pervyy Meditsinskiy institut imeni I.M.Sechenova, Moskva (for Debov).

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BALANDIN, I. G.; KHOROSHUTINA, E. B.; TONGUR, V. S.

"Sintez rnk virusa tabachnoy mozaiki in vitro."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Laboratoriy biokhimii nukleinovykh kislot, Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

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BALANDIN, I.G.; KHOROSHUTINA, E.P.; TONGUR, V.S.

Study of the mechanism of DNA synthesis in extracts of Nicotiana glutinosa leaves infected with tobacco mosaic virus. Dokl. AN SSSR 155 no.1:201-203 Mr '64. (MIRA 17:4)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR. Predstavleno akademikom A.N.Belozerskim.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

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Synthesis of RNA in cell-free homogenates of leaves infected with tobacco mosaic virus. Vop. virus 8 no.2:142-144 Mr-Ap'63 (MIRA 16:12)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONGUR, V.S. (Moskva)

Nucleic acids and protein biosynthesis. Vest.AMN S.S.S.R. 17 no.12:20-29 '62. (MIRA 16:4)
(NUCLEIC ACIDS) (PROTEINS) (BIOSYNTHESIS)

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SPITKOVSKIY, D.M.; TSAY LYAN'-VAN' [TS'ai Lien-Wan]; TONGUR, V.S. ; TSEYTLIN, P.I.

Obtaining a single-spiral deoxyribonucleic acid. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no.1:11-12'61 (MIRA 16:11)

1. Institut eksperimental'noy biologii (direktor- prof. I.N. Mayskiy) AMN SSSR, Moskva.

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TSEYTLIN, P.I.; USAKOVSKAYA, T.S.; SPITKOVSKIY, D.M.; TONGUR, V.S.

Study of the radiosensitivity of DNA on the molecular level.
Trudy MOIP. Otd. biol. 7:42-46 '63. (MIRA 16:11)

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TONGUR-KEFELI, A. H.

"Seeking Ways of Improving the Quality of Certain Endocrine Preparations ("Miol" and "Adrenalin")." Cand Chem Sci, Moscow Pharmaceutical Inst, Min Health, USSR, Moscow, 1954, (KL, No 11, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

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"The Treatment of Foot-and-Mouth Disease Irritations with Flavocridrin". (a Paper). Veterinariya, 1941, No 4.

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TONIGS, and RATNER, L. S.

"On the Disinfectant Action of Caustic Potash (KOH) on the Foot-and-Mouth Disease Virus". Vestn. s.-kh. nauki (veterinariya), 1940, No. 5.

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TONIKYAN, B.

Fulfillment of the production cost plan by the industrial enterprises of the economic councils of the Armenian S.S.R. Prom. Arm. 4 no.12:25-29 D '61. (MIRA 15:2)

1. Planovo-ekonomicheskoye upravleniye Sovnarkhoza Armyanskoy SSR.
(Armenia--Cost, Industrial)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

MIKHAYLOV, Yevgeniy Ivanovich; TONIN, Vladimir Nikolayevich

[Automation of oxygen plants] Avtomatizatsiia kislorodnykh stantsii. Moskva, Metallurgiia, 1965. 182 p. (MIRA 18:8)

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AAMISEPP, I.; EICHENBAUM, E.; HALLER, E.; KAARLI, K.; KIIK, H.; KIVI, V.; KOTKAS, H.; KORJUS, H.; LEIVATEGIJA, L.; LIIV, J.; LÄNTS, L.; MÄLKSOO, A.; PEDAJA, V.; POLNA, H.; RANDALU, I.; RUUGE, J.; SEKSEL, H.; TOOMRE, R.; TUPITS, H.; TUUL, S.; TÕNISSON, H.; TÄÄGER, A.; VIIRAND, M.; VAHENÕMM, K.; ARAK, A., red.

[Plant breeding] Taimekasvatus. Tallinn, Eesti Raamat, 1964. 813 p. [In Estonian] (MIRA 18:1)

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BAGAYEVA, M.I.; TONITROVA, N.S.

Lichenoid sarcoid in a woman with generalized sarcoidosis. Vest. derm. i ven. 38 no.7:67-69 Jl '64. (MIRA 18:4)

1. Moskovskiy nauchno-issledovatel'skiy institut tuberkuleza (dir. - kand.med.nauk T.P.Mochalova, zamestitel' direktora po nauchnoy chasti - prof. D.D.Aseyev) Ministerstva zdravookhraneniya RSFSR.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

G

G.D.R. / Organic Chemistry. Natural Substances and Their Synethetic Analogues.

Abs Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No 50516

Author : Hagedorn, I.; Tonjes, H.

Inst : -

Title : Determination of Structure of a New Antibiotic-Xanthocillin.

Orig Pub : Pharmazie, 1957, 12, #9, 567-580

Abstract : Work done on clarification of structure of Xanthocillin (I), 1,4-di-(n-oxyphenyl)-2,3-diisonitrilobutadiene-1,3 is described. I diacetate, 95% yield, dec. temp. > 200° (from ethyl acetate); I dibenzoate, 97% yield, dec. temp. 200° (from dioxane). Reaction of I with CH_2N_2 yielded dimethyl ester (II), 85%-90% yield, dec. temp. 181° (fr. dioxane-alc.).

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BULGARIA / Organic Chemistry. Natural Substances and Their Synthetic Analogues. G

Abs Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No. 50516

quinoxaline derivative identical with that produced from III. Reaction of IV with H_2O_2 gave n-$CH_3OC_6H_4CH_2COOH$ (1.3 moles). With CrO_3, IV yielded n-$Ch_3OC_6H_4COOH$ (1.3 moles). Reduction of IV with Zn dust gave α-oxyketone; $C_{18}H_{20}O_4$, 72% yield, m.p. 77-77.5° (fr. C_7H_{16}). $LiBH_4$ transformed IV into 1,4-di-(n-methoxyphenyl)-butanediol-2,3, (V) 91% yield. IV and $NaBH_4$ also yielded V. Clemmensen's Reduction of IV gave 1,4-bi-(n-methoxyphenyl)-butane (VI) 31% yield, m.p. 77-78° (fr. alc.); a by-product - 1,4-di-(n-methoxyphenyl butanone-2) (VII), m.p. 87-87.5 (fr. alc.) and 2,4-dinitrophenylhydrazone

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BULGARIA / Organic Chemistry. Natural Substances and Their Synethetic Analogues. G

Abs Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No. 50516

(DNPH), 61% yield, m.p. 144-145° (fr. dioxane). A 2% Na-amalgom reacted with I formed 1,4-di (n-oxyphenyl)-butanone-2 (VIII), m.p. 185.5-186.5° (fr. butanol), and some "diene" which upon reacting with CH_2N_2 was transformed into 1,4-di (n-methoxyphenyl)-butadiene-1,3, 36% yield, m.p. 229-231 (fr. Benzene). Derivatives of VIII were: diacetate, 55% yield, m.p. 86.5-88° (fr. alc) and dibenzoate, 71% yield, m.p. 153-154° (fr. butanol). $(CH_3)_2SO_4$ and VIII formed VII. VII was synthesized according to the following reaction scheme (R = n-$CH_3OC_6H_4$): $RCH_2CN + CH_3COOC_2H_5 + NaOC_2H_5 \rightarrow RCH(ON)COCH_3$ (58% yield, m.p. 83.5-84.5° (fr. aq. alc. 1:1) $\rightarrow RCH_2COCH_3$ (80% yield B.P. 136-138°/12mm) $\rightarrow R'CHOR'CH_2COCH$ -CHR

Card 4/9

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G

BULGARIA / Organic Chemistry. Natural Substances and Their Synethetic Analogues.

Abs Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No. 50516

(20.5% yield, m.p. 132-133 (fr. butanol) H_2.Pd → VII. When IV was heated for 5 hours at 60-70°, with KOH it was rearranged into di-n-methoxybenzyl glycolic acid (IX), 68% yield, m.p. 166.5-167° (fr. alc); and its methyl ester (from CH_2N_2), 92.5% yield, m.p. 114-115° (fr. alc.). When IX was heated with $(CH_3COO)_4Pb$ (40°, 45 min), CO_2 split off with a formation of: 1,3-di-(n-methoxyphenyl)-propanone-2 (X), 93.5% yield, m.p. 85-85.5% (fr. butanol) and of an oxime, 48% yield, m.p. 102.5-103° (fr. alc). Clemmensen's reduction of X yielded 1.3-di-(n-methoxyphenyl)-propane, 21% yield, m.p. 44-45° (fr. ethyl acetate). Upon condensation of n-$CH_3OC_6H_4CH_2COOC_2H_5$ in presence of Na IV was formed (as an

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

G

BULGARIA / Organic Chemistry. Natural Substances and Their Synethetic Analogues.

Abs Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No. 50516

osaxone), 60% yield. Boiling of II with a 10% alc. solution of KOH (30 min) led to addition of CH_3OH and to a formation of monoiminoester- $C_{21}H_{20}O_3N_2$ (XI), m.p. 121°-122° (fr. alc) and of diimoester $C_{22}H_{24}O_4N_2$, m.p. 193-194°(fr. dioxane). By boiling I or II with a glacial CH_3COOH or HCOOH and by subsequently adding water were obtained 2,3-di(formylamine)-derivatives: $C_{20}H_{20}O_4N_2$ (XII), 95% yield, m.p. 235-236° (fr. dioxane-alc., dec.); and $C_{18}H_{16}O_4N_2$ (XIII), 97% yield, dec. temp. > 200° (fr. $C_5H_5N-H_2O$). $(CH_3)_2SO_4$ transformed both XII and XIII into 1.4-di-(n-methoxy-phenyl) 2,3-di-(formylmethylamino)-butadiene-1,3, 60% yield, m.p. 165-166° (fr. aq. alc.). Addition of

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G

BULGARIA / Organic Chemistry. Natural Substances and Their Synethetic Analogues.

Abs Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No. 50516

acetone, in presence of 2n H_2SO_4(35) transformed I into 1,4-di-(n-oxyphenyl)-2,3-bis-(dimethyloxy-acetoamino)-butadiene-1,3,70% yield, m.p. 271-272° (dec) and its dimethyl ester (with $(CH_3)_2SO_4$), 74% yield, m.p. 240° (dec. both from C_5H_5N or glycol). Heating I, II, XII and XIII with glacial acetic acid in presence of H_2O_2 led to a formation of imidazole - 45 dicarboxylic acid). Hydrogenation of I over Ni-sponge catalyst (20°) yielded 2,3-di(n-oxybenzyl)-pyrazine (XIV), 45% yield, m.p. 203-204° (fr. butano); XIV-diacetate, 70 % yield, m.p. 91-92° (fr. alc.); and XIV-dibenzoate, 80% yield, m.p. 122-123° (fr. butanol). Reaction of CH_2N_2 with XIV led to the formation of XIV dimethyl ester (XV) 83% yield, m.p. 57-

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BULGARIA / Organic Chemistry. Natural Substances and Their Synethetic Analogues. G

Abs Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No. 50516

(n-methoxyphenyl)-(4,5:4,5)-imidazole, 37% yield, m.p. 146-147° (fr. aq. alc.). Curves and data of infra-red spectra of I, II, IV, VII, XI, XII and XV as well as ultraviolet spectrum of I were presented. -- M. Linkova

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

USSR/Plant Physiology - Mineral Nutrition

Abs Jour : Referat Zhur - Biol. No 16, 25 Aug 1957, 68946 H-3

plant emitted radioactive CO_2 in its root respiration; the speed of C^{14} movement was 0.7 cm per minute. In feeding of the sugar cane by a solution of KH_2PO_4 through the leaves it was established that by the application of 25 micrograms of the salt to 1 cm^2 of the plant ~ 90% P was utilized. The local increase of 5 times per cm^2 increased the absorption of P almost 4 times. The great resistance of sugar cane to herbicidal action of 2,4-D the authors explain by the very weak transference of the herbicide through the plant. The study of distribution by the plant of K and Rb (Rb^{86}) indicated the possibility of using Rb as an indicator for the study of potassium distribution. Aided by Co^{60} and a portable meter, measurements of sugar cane increment in the field were made and transposed to weight units. Adding Rb to irrigation water (1 mCu Rb^{86} to 30 m irrigated furrow), the quantity of water entering the soil one or another point was

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONIN, YU.

~~STEPANOV, M.~~

"Cities change their faces." IU.Tonin, M.Fishel'son. Reviewed by M.Stepanov. Vokrug sveta no.3:61-62 Mr '54. (MLRA 7:2)
(Tonin, IU.) (Fishel'son, M.) (Cities and towns)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONINA, P.,V.

AN ATTACHMENT FOR SEMI-AUTOMATIC FLAMECUTTING MACHINES TO FACILITATE THE START OF CUTTING. P. V. TONINA. (AVTO. DELO) 1949, No. 6, p. 27) (in Russian) A simple device is described for holding portable semi-automatic flame-cutting machines in the initial stages of the cutting process. SK

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TOMINA, I. V.

Engineer

"Adaptations of a semi-automatic cutting torch to simplify starting of cutting operations," Avtogen. Delo, No. 6, 1949

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

PROCESSES AND PROPERTIES INDEX

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An Attachment for Semi-Automatic Flame-Cutting Machines to Facilitate the Start of Cutting. P. V. Tonina. (Avtogennoe Delo, 1949, No. 6, p. 27). [In Russian]. A simple device is described for holding portable semi-automatic flame-cutting machines in the initial stages of the cutting process.—S. K.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONINI, D., general'nyy dokladchik, professor.

Settlement of dams owing to the compressibility of the materials of the dams themselves or of their foundations; problems of seismic loading of dams. Gidr. stroi. 24 no.8:35-38 '55. (MLRA 9:3)
(Dams)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

Tonini, D.

AID P - 4006

Subject : USSR/Hydr. Eng.

Card 1/1 Pub. 35 - 13/18

Author : Tonini, D., Prof.

Title : Dam settling because of the contraction of used materials or of dam foundations. Problems of seismic loads on dams.

Periodical : Gidro. stroi., 8, 35-38, 1955

Abstract : The article is a concise report of an address delivered at the 5th International Congress on Large Dams.

Institution : None

Submitted : No date

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONISSOO, V.

15.2 seconds under water. p. 507

KEHKULTUUR. (KEHAKULTUURI-JA SPORDIKOMITEE) Tallinn, Estonia.
Vol. 20, no. 16, Aug. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 12, Dec. 1959
Uncl.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TÕNISSOO, Z.; KHARMA, S., red.; PEDARI, J., tekhn. red.

[There is no proficiency without work] Tublidus ei tule tööta. Tallinn, Eesti Riiklik Kirjastus, 1963. 110 p. (MIRA 17:1)

1. Eestimaa Kommunistlik Partei. Tallinna Linnakomitee. Ideologilise Töö Osakond.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

M

***Researches on Metal Electric Arcs.** T. Toniszewski and T. Maciejewski (*Acta Phys. Polon.*, 1933, 2, 67-74).—The static characteristics of arcs between plane and hemispherical metal electrodes are given for all possible combinations of iron, copper, molybdenum, tungsten, and brass. The Ayrton constants of the systems copper-copper, molybdenum-molybdenum, and tungsten-tungsten have been determined; with the second pair these constants are the same for all current densities, whereas with the other pairs there are two current-density ranges wherein these constants vary. A. R. P.

COMMON ELEMENTS

COMMON VARIABLES INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

3828. Electric Arc between Metal Electrodes. T. Toniszewski and T. Maciejewski. *Acta Physica Polonica*, 2, 1, pp. 67-74, 1933. *French Abstract.*—The static characteristics of arcs between metal electrodes of hemispherical or plane shape were studied for all possible combinations of Fe, Cu, Mo, W and brass. Two characteristics were obtained for each pair of metals by changing the direction of the current and values were found for the coefficient of asymmetry $(e_1 - e_2)/e_2$, where e_1 is the potential for the upper characteristic and e_2 that for the lower. Graphical methods were used to find the constants α, β, γ and δ in the Ayrton equation for the pairs Cu – Cu, Mo – Mo, W – W. For Cu and W two ranges of current intensity were found having different constants. For Mo, on the other hand, the constants were the same for all current intensities used.

A. W.

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

CA

4

The electric arc between metallic electrodes. I. Tomaszewski and T. Maciejewski. *Acta Phys. Polonica* 2, 67-74(in French 67-8)(1933).—The static properties of an elec. arc between electrodes of Fe, Cu, Mo, W and brass in various combinations are studied. J. W.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONITROVA, N.S.; NOVOSELOVA, V.P. (Moskva)

Sarcoidosis (Besnier-Boeck-Schaumann disease); clinical morphological study. Arkh. pat. 25 no.8:65-70 '63 (MIRA 17:4)

1. Iz diagnosticheskogo (rukovoditel' - prof. D.D. Aseyev) i patomorfologicheskogo (rukovoditel' - prof. B.P. Ugryumov) otdeleniy Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR (direktor-kand. med. nauk T.P. Mochalova).

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONITROVA, N.S.

All-Union conference on tuberculosis control in rural areas. Probl. tub. no.2:64-68 Mr-Ap '55. (MLRA 8:6)

(TUBERCULOSIS, prevention and control, in Russia, in rural areas, conf.)
(RURAL CONDITIONS, tuberc. control in Russia, conf.)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

ASEYEV, D.D.; KOROVINA, Yu.P.; ODNOLETKOVA, Ye.F.; TONITROVA, N.S.; TIKHOMIROVA, Ye.A.

Differential diagnosis of pleuropneumosclerosis of tuberculous and other etiology. Probl.tub. no.5:11-20 '61. (MIRA 15:1)

1. Iz diagnosticheskogo otdeleniya (zav. - prof. D.D. Aseyev) Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR (dir. V.F. Chernyshev, zam. dir. po nauchnoy chasti - prof. D.D. Aseyev).
(LUNGS--DISEASES) (DIAGNOSIS, DIFFERENTIAL)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONITROVA, N.S.

Diagnosis, clinical aspects and treatment of sarcoidosis. Probl. tub. no.7:17-23 '62. (MIRA 15:12)

1. Iz diagnosticheskogo otdeleniya (rukovoditel' - prof. D.D. Aseyev) Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kandidat meditsinskikh nauk T.P.Mochalova) Ministerstva zdravookhraneniya RSFSR.
(GRANULOMA BENIGNUM)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONIUC, Nicolae

Contributions to the study of the armature of the male genitals in tripedal Diptera (Diptera-Trypetidae). Comunicarile AR 12 no.11:1205-1213 N '62.

1. Comunicare prezentata de M.A.Ionescu, membru corespondent al Academiei R.P.R.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

MAKKAVEYSKIY, P.A.; TONIYAN, T.A.

Effect of thyroidin on blood cholesterol in cerebrovascular diseases. Zhur.nevr. i psikh. 59 no.4:455-457 '59. (MIRA 12:6)

1. Klinika nervnykh bolezney (zav. - prof. I.Ya.Razdol'skiy) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(THYROID GLAND, extracts,
dessicated, eff. on blood cholesterol in cerebral vasc. dis. (Rus))
(CHOLESTEROL, in blood,
in cerebral vasc. dis., eff. of dessicated thyroid prep. (Rus))
(BRAIN, blood supply,
vasc. dis., eff. of dessicated thyroid prep. on blood cholesterol (Rus))

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U S S R

Methods of utilization and cultivation of solonchaks under [illegible] conditions of the Kirghiz S.S.R. S. I. Pecher, S. N. [illegible], E. A. Tonkal, R. P. Dobryak, and L. A. Dash [illegible] *Trudy Pechoennogo Inst. im. V. V. Dokuchaeva*, [illegible] S.S.R. 44, [illegible] 27 [illegible] These saline soils [illegible] content that is predominantly Ca, Na and [illegible] fate, in that order, with an av. depth of ground [illegible] 15 [illegible] irrigation removes 25% of the Mg and [illegible] % of the Na or expressed as total salts, 45 tons/ha [illegible] freshening of ground waters occurs. Lucerne cul[illegible] lowers the level of salinization, increases the total [illegible] content, and causes general improvement of all agro[illegible] properties. Yields of garden-beet seeds and sugar[illegible] [illegible] studied. A. W. Daly

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756230001-6

TONKAL', V. A. Cand Med Sci -- (diss) "The Therapy of Osteoarticular Tuberculosis Patients With Streptomycin and Sulfamethin." Kiev, 1957. 15 pp 22 cm. (Kiev Order of Labor Red Banner Medical Inst im Academician A. A. Bogomolets), 200 copies (KL, 28-57, 112)

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