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5(3)

SOV/63-4-3-8/31

AUTHOR:

Blagonravova, A.A., Candidate of Chemical Sciences

TITLE:

Polyurethane Resins and Fields of Their Application in the Varnish and Paint Industry

PERIODICAL:

Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 3, pp 339-345 (USSR)

ABSTRACT:

Isocyanates are used in plastics, protective covers, synthetic fibers, etc. The principal components in the formation of polyurethane protective covers are polyisocyanates and polyesters containing hydroxyl groups. The reactivity of polyisocyanates is greater in the aromatic series than in the aliphatic series. The highest reactivity has the group $-N=C=O$ in position 4. In the USSR varnishes for electric insulation and petroleum-resistant coatings are produced [Ref 19]- The drying properties of the resins are increased by using highly reactive polyesters, e.g. desmophen 800. The introduction of a small quantity of alkyd resins on the base of fatty acids increases the atmospheric resistance of coatings. Zinc oxide must not be used as pigment in these resins, since it reacts with hydroxyl-containing compounds [Ref 24]. Polyurethane varnishes and paints of cold drying consist of a solution

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Polyurethane Resins and Fields of Their Application in the Varnish and Paint Industry

of polyester and a solution of isocyanate. The temperature of mixing and the purity of the solvents has a considerable effect on the stability of the final product. The pulverization method shows the best results for applying varnishes with a viscosity of 20 centipoise and a content of non-volatile components of 18 - 25%. Drying at increased temperature improves the properties of the coatings. The resins are recommended for anticorrosion coatings of metals. They are resistant to vapors of acids, amines and hydrogen sulfide. Polyurethane coatings protect airplanes better than aluminum against rain erosion, because they maintain a homogeneous shining surface. They are also applied to school furniture, concrete, rubber, leather, paper and plastics. Insulation varnishes of this type are recommended for tropical climate. Small amounts of diisocyanates introduced into alkyd resins produce films with a high hardness. A drawback of these resins is their sensitivity to light. The most modern method of preparing polyurethanes consists in the condensation of esters of the chloro-carbonic and chloro-formic acids by various amines [Ref 49, 50]. The principal tasks of the Soviet industry are the improvement of the technology and the lowering of costs; the elimination of toxicity; the synthesis of new types of hydroxyl-containing compounds with a resistance to moisture and chemical reagents.

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Polyurethane Resins and Fields of Their Application in the Varnish and Paint Industry

There are 50 references, 3 of which are Soviet, 17 German, 15 English, 6 American, 4 French, 2 Belgian, 1 Canadian, 1 Swiss and 1 Japanese.

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307/682

International symposium on macromolecular chemistry, Moscow, 1960.
Mezhduotchetnyy s'ezhdium po makromolekulyarnoy khimii SSSR, Moskva, 14-18
Iyulya 1960 g.; doklady i referaty. Sbornik I. (International Symposi-
um on Macromolecular Chemistry Held in Moscow, June 14-18, 1960; Papers and
Summaries. Section I.) [Moscow, Izd-vo AN SSSR, 1960] 345 p. 5,500 copies
printed.

Sponsoring Agency: The International Union of Pure and Applied Chemistry,
Commission on Macromolecular Chemistry

Tech. Ed.: T. V. Polyakova.

PURPOSE: This collection of articles is intended for chemists and researchers
interested in macromolecular chemistry.

COVERAG: This is Section I of a multivolume work containing scientific papers
on macromolecular chemistry in Moscow. The serial includes data on the
synthesis and properties of polymers, and on the processes of polymerization,
copolymerization, polycondensation, and polyrecombination. Each text is
presented in full or summarized in French, English, and Russian. There are
47 papers, 28 of which were presented by Soviet, Rumanian, Hungarian, and
Czechoslovakian scientists. No personalities are mentioned. References
accompany individual articles.

Percebin, I. A., M. A. Ruzic, D. I. Kostyuk, P. I. Emel'yanova, and
L. A. Isakova (USSR). Polycondensation of the α -Amino Acids Esters in
the Presence of Carbon Dioxide 210

Mikha, J. A. (Hungary). On the Behavior of Mixed Formal-Formaldehyde
Phenolic Plastics 215

Martin, M. B., and L. A. Reddy (USSR). On the Heterogeneous Method
of the Polycondensation 228

Mikhaylov, M. V., V. I. Markovskiy, and S. S. Mikheyev (USSR). On
Some Relations Underlying the Interfacial Polycondensation of Acid
Chlorides of Dicarboxylic Acids and Diamines in the Process of Fiber
Formation 237

Alexander, I., and I. Dusanik (Slovakia). Synthesis of Polyurethids by
Interfacial Polycondensation 245

Blagovizhina, A. A., G. A. Lerkovitch, and I. A. Frunina (USSR). The
Catalytic Action of Some Metallic Compounds on the Formation of
Polyurethanes 255

Leish, Z., and E. Chruschok (Czechoslovakia). Some Problems of Poly-
condensation in a Suspension 262

Solubov, A. V., M. F. Usanov, and A. A. Vashchik (USSR). Copolymers
of α -Methylstyrene and Vinyl Kaphthalene With Other Vinyl Compounds 282

Us, D., and M. Kollinsky (Czechoslovakia). Chain Transfer Reactions in
the Polymerization of Vinyl Chloride 304

Zelinger, J. (Czechoslovakia). Study of the Kinetics of Dispersion
Polymerization of p-Chlorostyrene in a Column Containing an Aqueous
Solution With a Linear Density Gradient 303/7

Kessler, I., V. Matyjas, and M. Polcak (Czechoslovakia). Thermal
Aging of Polychloroprene 328

AVAILABLE: Library of Congress

Card 9/9

31/682/1b
9-87-61

Z-7

184

Czechoslovak Polymers
Klein, M. M., M. K. Kishner, and P. S. Florkovich (USSR). The Effect
of Chemical Structure on the Polymerization Activity of the Unsubstituted
Oxymethylene Compounds 187

187

Polkharitskiy, M. V. (USSR). Cooperative Processes in the Polycondensa-
tion of Aliphatics 202

Card 6/9

49

Z/011/61/018/001/010/014
E112/E453

AUTHORS: Frost, A.M. and Blagonravova, A.A.

TITLE: The reaction between binder and pigment in thin surface coating layers

PERIODICAL: Chemie a chemická technologie, 1961, Vol.18, No.1, p.33, abstract Ch 61-446 (Lakokras. Materialy, 1960, No.1, pp.32-38)

TEXT: A co-polymer of styrene-maleic anhydride, esterified with butanol, was used as binder and the effect of an addition of zinc oxide and orthophosphoric acid was studied. In the presence of an excess of zinc oxide, the zinc salt of the polymer is formed, which is converted into zinc phosphate on the addition of phosphoric acid. If this system is applied to a steel surface, the phosphoric acid will react with the steel and the co-polymer will produce tri-dimensional structures with zinc. On the basis of the above binder, primers of high-reactivity can be prepared which in some respects are superior to polyvinylbutyral resins. 1 X-ray diagram, 5 diagrams, 9 tables, 8 literature references.

[Abstractor's note: Complete translation.]

Card 1/1

BLAGONRAVOVA, A.A.

Investigation in the field of polyurethan protective coatings.
Lakokras. mat. i ikh prim. no. 6:68-77 '60. (MIRA 13:12)
(Protective coatings) (Urethan)

S/081/61/000/024/078/086
B101/B110AUTHORS: Blagonravova, A. A., Pronina, I. A.

TITLE: Polyurethan-base protective coatings

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 565, abstract
24P288 (Lakokrasochn. materialy i ikh primeneniye, no. 2,
1961, 3 - 7)

TEXT: The following two types of modified isocyanates were synthesized to reduce toxicity and to increase stability of polyurethan lacquers: polyisocyanates (I), product of the reaction between a 2,4-toluylene-diisocyanate (II) excess with polyvalent alcohols and "blocked" isocyanates such as monophenyl urethan (III) on the basis of II and phenol. Compounds (I) are used for air-drying two-component lacquers. Such a diethylene glycol (type ДГУ (DGU) - base compound is already being industrially utilized. DGU differs from tri- and tetravalent alcohol-base I by higher technological effectiveness and, compared with II, by a five times higher stability of the lacquer working solution. Compound III decomposes only at higher temperatures under separation of free II. Hence it can be used

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Polyurethan-base protective coatings

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B101/B110

for single-component hot-air-drying lacquers that are stable without any limits, e.g. cable lacquers for copper wires. The free II content in I and III is 5 and 1.6%, respectively. [Abstracter's note: Complete translation.] ✓

Card 2/2

ZLOBINA, V.R.; SOROKIN, M.F.; BLAGONRAVOVA, A.A.

Hardening epoxy resins with urea resins. Lakokras. mat. i
ikh prim. no.6:17-20 '61. (MIRA 15:3)
(Epoxy resins)

S/081/62/000/022/083/088
B101/B186

AUTHORS: Blagonravova, A. A., Pronina, I. A., Bondarevskaya, I. I.

TITLE: Production of graft copolymers on the basis of cellulose esters and isocyanates

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1962, 554, abstract 22P478 (Lakokrasochn. materialy i ikh primeneniye, no. 2, 1962, 4 - 7)

TEXT: A method is described of obtaining graft copolymers from nitro-cellulose (NC) and acrylonitrile is described. This consists in first introducing into the molecular NC unit an incomplete allyl urethane obtained by reaction of 1,6-hexamethylene diisocyanate with allyl alcohol in molar ratio. Tests of films made from these copolymers have shown that they considerably surpass films of pure NC as to loss in weight when irradiated with UV light, and as to water resistance; they are, however, inferior as to elasticity. [Abstracter's note: Complete translation.]

Card 1/1

KARYAKINA, M.I.; YAKUBOVICH, S.V.; BLAGONRAVOVA, A.A.; Prinsipalni
uchastnye: LARINA, A.N.; PISKAREVA, K.A.; PERTSOVA, Ye.N.

New type of coatings based on phenol-alkyd resins. Lakokras.
mat. i ikh prim. no. 5:25-27 '62. (MIRA 16:1)
(Phenol condensation products) (Protective coatings)

ZLOBINA, V.R.; BLAGONRAVOVA, A.A.

Investigating the hardening process in epoxy resins. Lakokras.mat.i
ikh prim. no.6:7-11 '62. (MIRA 16:1)

(Epoxy resins)

36054

S/063/62/007/002/006/014
A057/A126

15.9/10

AUTHORS: Blagonravova, A.A., Kardashov, D.A. Candidates of Technical Sciences

TITLE: New types of polymer coatings and adhesives

PERIODICAL: Zhurnal vsesoyuznogo khimicheskogo obshchestva imeni D.I. Mendeleeva, v. 7, no. 2, 1962, 187 - 194

TEXT: In connection with the development of the industry and the increased demand for high-quality protective coatings and adhesives, new types of these materials were developed and investigated. A review of the latest investigations in this field is discussed and several examples are presented from data published in Soviet and western literature. Protective coatings are discussed in relation to the different types of polymers. Investigations of adhesives made on the base of organic polymers are carried out in three directions: 1) Synthesis of thermostable materials,; 2) development of adhesives with increased elasticity of the glued surface; and 3) preparation of cold-hardening adhesives. Recent studies on thermostable adhesives were carried out by modifying phenol-formaldehyde resins and polyepoxides, since G.S. Petrov showed al-
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New types of polymer.....

S/063/62/007/002/006/014
A057/A126

ready the thermoresistance of these resins. Of greatest interest is the modification by means of rubber, polyacetals, epoxides, or polyamides. The Soviet ВК-4 (VK-4) adhesive allows stresses up to 50 h at 300°C [shear resistance at 275°C for glued 30X7C(A)(20KhGSA) steel is 70 kg/cm², for ВТ-1 (VT-1) titanium alloy 58 kg/cm², ВФТ (VF-T) glass-reinforced resin 23 kg/cm² rupture in the resin, for bonded resin steel 131 kg/cm² rupture occurs in the resin]. The thermostable VK-1 adhesive, prepared from epoxide resin, hardener, and filler can resist a 150°C temperature for 300 h and is recommended for variable temperatures in the range of from -60 to +150°C. Stable up to 60°C is the modified epoxide К-153 (K-153) adhesive. An elastic phenol-rubber composition is the ВК-3 (VK-3) adhesive, while the МПФ-1 (MPF-1) and ПЭФ (PEF) 2/10 adhesives are manufactured from methylolpolyamide resins. VK-3 adhesive is foreseen for hot bonding of metal structures in power plants and shows better properties than MPF-1 adhesive (but is less elastic than the FM-47, or FM-1000 adhesive of the Bloomingdale Rubber Co., USA). Adhesives hardening without heating are the ПУ-2 (PU-2), Л-4 (L-4), and polyurethane ВК-5 (VK-5) adhesive. The latter is manufactured from polyester and diisocyanate, hardened in the presence of a catalyst, and is used for bonding various metals, or foamed ФК (FK), and ПУ (PU) plastics or glass-reinforced ГИ-1 plastic. Of interest are also chemical pre-treatments of inert

Card 2/3

New types of polymer.....

S/063/62/007/002/006/014
A057/A126

materials (polytetrafluoroethylene, polyethylene, etc.) which allow bonding of their surfaces with common adhesives. Among thermostable Soviet siliconorganic adhesives properties and applications of the following types are mentioned: BK-2 (VK-2), KT-9 (KT-9), ИП-9 (IP-9), MAC-1 (MAS-1), BKT-2 (VKT-2), and PKT-3 (VKT-3). There are 4 tables.

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X

ACCESSION NR: AP4034710

S/0303/64/000/002/0003/0006

AUTHORS: Blagonravova, A. A.; Pronina, I. A.; Tartakovskaya, A. M.; Atryasina, V.P.

TITLE: Polyisocyanates suitable for protective coatings with superior photoresistance

SOURCE: Lakokrasochny*ye materialy* i ikh primeneniye, no. 2, 1964, 3-6

TOPIC TAGS: lacquer, polyisocyanate, allylurethane, isocyanate polymerization, isocyanate telomerization, polyisocyanate nitrocellulose lacquer, photoresistant polyisocyanate lacquer, PAU polyisocyanate enamel

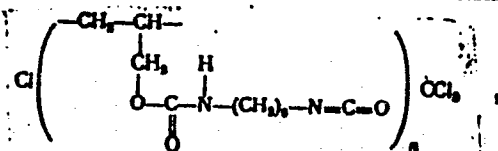
ABSTRACT: The present study deals with the polymerization of hexane-1-isocyanate-6-allylurethane (HICAU), $\text{OCN}(\text{CH}_2)_5\text{NHCOOCH}_2\text{-CH=CH}_2$.

The polymerization was conducted without solvents, in inert solvents, and in a carbon tetrachloride medium. Benzoyl peroxide (0.2-3.0%), di-ter.butyl peroxide, or dinitril-2,2'-azo-bis-isobutyric acid (DABIBA) were used as initiators. The reaction was allowed to run for 6 to 20 hours at 80 and 120C before the viscosity and isocyanate numbers of the obtained poly-HICAU were determined. It was found that, in an inert solvent medium (toluene) and without solvent, the transformation

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ACCESSION NR: AP4034710

of the monomer did not exceed 45-50%, irrespective of the amount of initiator present. Extension of the polymerization time caused the formation of a precipitate of high-molecular compounds, which was soluble only in the original monomer. When the polymerization of HICAU was conducted in carbon tetrachloride (in a 1:1 ratio at 70-75C for periods to 21 hrs in the presence of 1% DABIBA) there occurred a more rapid and complete polymerization of the monomer with the formation of low-molecular products. To these the authors ascribe the formula



where n is 5 or 6. The obtained polymer had a molecular weight of 1050-1070 and contained 13-14% of chlorine. Samples of such poly-HICAU of 1500 molecular weight were assigned the trade name PAU, and their solutions in various solvents were subjected to extensive lacquer and enamel coating tests, either by themselves or mixed with titanium dioxide, with nitrocellulose and alkyd and with phenolic resins. Films of high strength and good adhesion were obtained. They were superior in

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ACCESSION NR: AP4034710

light resistance to enamel M-300. Orig. art. has: 6 tables, 4 charts, and 4 formulas.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 20May64

ENCL: 00

SUB CODE: MT

NO REF SOV: 007

OTHER: 004

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ACCESSION NR: AP4040513

S/0303/64/000/003/0008/0010

AUTHOR: Zlobina, V. R.; Sorokin, M. F.; Elagonravova, A. A.

TITLE: Curing of epoxide resins

SOURCE: Lakokrasochny*ye materialy* i ikh primeneniye, no. 3, 1964, 8-10

TOPIC TAGS: epoxide resin, phenyl glycidyl ether, carbanilide, epoxy group, imino group epoxide resin curing

ABSTRACT: It was established that phenyl glycidyl ether reacts with carbanilide to form hydroxyl-containing compounds as a result of the interaction between epoxy and imino groups; it was postulated that in addition, a reaction is possible between the epoxy groups and the hydroxyl groups formed. It was shown that condensation of butyl ether takes place in the course of the reaction of phenyl glycidyl ether with dibutyl ester of dimethylolurea, simultaneously with the interaction of the epoxy and imino groups, and with the interaction of the hydroxyl groups formed and the epoxy groups. This condensation is indicated by the evolution of butanol in the course of the reaction.

ASSOCIATION: none

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by a decrease in the number of epoxy groups and an increase in the ether and hv-

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L 1881-66 EWT(m)/EPF(c)/EWP(j)/EWP(t)/EWP(b) LJP(c) JD/JG/HI/RM

ACCESSION NR: AP5022505

UR/0303/65/000/004/0001/0004

667 621.633:543.422.4

AUTHOR: Blagonravova, A. A.; Pronina, I. A.; Uvarov, A. V.; Rudnaya, G. V.;
Aref'yeva, S. H.

TITLE: Infrared spectroscopic study of the effect of metals on the reaction of formation of polyurethanes. Report No. 2.

SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 4, 1965, 1-4

TOPIC TAGS: sodium compound, cobalt compound, polyurethane, IR spectroscopy

ABSTRACT: The reaction forming urethanes in the presence of sodium acetate and cobalt naphthenate catalysts was studied by means of IR spectroscopy, which makes it possible to follow the reaction between the isocyanate and the hydroxy ester and to establish the presence of side reactions. The starting reagents were 2,4-toluyelene diisocyanate and di- β -hydroxyethyl adipate. The IR spectroscopic method revealed a difference in the catalytic effect of salts of alkali metals and metals of variable valence; in addition to the main reaction forming urethanes, side reactions occur in the presence of alkali metals (sodium acetate). It was found that as the concentration of the sodium salts decreases, the rate of the
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L 1881-66

ACCESSION NR: AP5022505

side reactions also decreases. Cobalt salts are recommended as effective catalysts for the preparation of polyurethanes. Orig. art. has: 7 figures, 1 table, and 5 formulas.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, GC, OP

NO REF SOV: 001

OTHER: 003

nr
Card 2/2

...with ... The ... of the ...
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PRONINA, I.A.; SPIRIN, Yu.L.; ~~BLAGONRAVOVA, A.A.~~; AREF'YEVA, S.M.; GANTMAKHER,
A.R.; MEDVEDEV, S.S., akademik

Mechanism underlying the catalytic action of Co^{2+} compounds in
the urethane-forming reaction. Dokl. AN SSSR 161 no.2:362-365 Mr
'65. (MIRA 18:4)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
lakrasochnoy promyshlennosti i Fiziko-khimicheskiy institut im.
L.Ya.Karpova.

B.I.R

БЛАГОУБРАЗОУ, И.С.

5969* Rational Means of Treating Raw Materials for Glass Batches. (In Russian.) I. S. Blagobrazov. *Steklo i Keramika*, v. 8, June 1951, p. 8-9. Equipment for preparing raw materials for glass making is described and diagrammed.

BLAGOOBRAZOV, V.A.; BONDAREV, L.G.; KOZHEVNIKOVA, N.D.; POGODINA, G.S.;
TOKOBAYEV, M.M.; CHUMICHEVA, G.D.; SHCHERBAKOV, M.P.; ZABIROV,
R.D., kand. geogr. nauk, red.; BLAGOOBRAZOV, V.A., red.;
SKRIPKINA, Z.I., red.isd-va; ANOKHINA, M.G., tekhn. red.

[The Naryn River basin; physicogeographical features] Bassein reki
Naryn; fiziko-geograficheskaya kharakteristika. Frunze, 1960. 288 p.

(MIRA 14:6)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Otdel geografii.

(Naryn Valley--Physical geography)

BLAGOOBRAZOV, V.A.

Secondary ice formation in the Akshiyrak mountain system. Mat.
gliats. issl. no.2:63-76 '60. (MIRA 14:11)
(Akshiyrak Range--Ice)

BOL'SHAKOV, M.N.; VYKHODTSEV, I.V., doktor biol. nauk; NIKITINA, Ye.V., kand. biol. nauk; ZABIROV, R.D., kand. geogr. nauk; ISAYEV, D.I., kand. geogr. nauk; KASHIRIN, F.T.; KOROLEV, V.G., kand. geol.-miner. nauk; LUNIN, B.A., kand. geogr. nauk; MAMYTOV, A.M., akademik; OTORBAYEV, K.O., kand. geogr. nauk; RYAZANTSEVA, Z.A., kand. geogr. nauk, st. nauchn. sotr.; UMURZAKOV, S.U.; YANUSHEVICH, A.I.; BLAGOOBRAZOV, V.A., red.; BEYSHENOV, A., tekhn. red.

[The nature of Kirghizistan; brief characteristic of its physical geography] Priroda Kirgizii; kratkaia fiziko-geograficheskaya kharakteristika. Frunze, Kirgizskoe gos. izd-vo, 1962. 296 p. (MIRA 16:7)

1. Geograficheskoye obshchestvo SSSR. Kirgizskiy filial.
2. Zaveduyushchiy Otdelom geografii AN Kirgizskoy SSR, predsedatel' Kirgizskogo filiala Geograficheskogo obshchestva SSSR (for Otorbayev).
3. Dekan geograficheskogo fakul'teta Kirgizskogo gosudarstvennogo universiteta (for Umurzakov).
4. Zamestitel' direktora instituta geologii AN Kirgizskoy SSR (for Korolev).
5. Rukovoditel' sektora geomorfologii Otdela geografii AN Kirgizskoy SSR (for Isayev).
6. Chlen-korrespondent, zaveduyushchiy sektorom Instituta geologii AN Kirgizskoy SSR (for Kashirin).

(Continued on next card)

BOL'SHAKOV, M.N.---(continued). Card 2.

7. Direktor Tyan-Shan'skoy vysokogornoy fiziko-geograficheskoy stantsii Otdela geografii AN Kirgizskoy SSR (for Zabiroy).
 8. Otdel geografii AN Kirgizskoy SSR (for Ryazantseva).
 9. Chlen-korrespondent, direktor Instituta energetiki i vodnogo khozyaystva AN KirgizskoySSR (for Bol'shakov).
 10. Zaveduyushchiy Otdelom pochvovedeniya AN Kirgizskoy SSR (for Mamytov).
 11. Chlen-korrespondent, vitseprezident AN Kirgizskoy SSR (for Yanushevich).
 12. Zaveduyushchiy kafedroy fizicheskoy geografii Kirgizskogo gosudarstvennogo universiteta (for Lunin).
- (Kirghizistan--Physical geography)

CHUMICHEVA, G.D.; BLAGOBRIZOV, V.A.

Landform-geochemical characteristics of the northern slope of
the Terskey Ala-Too. Rab. Tian'-Shan' vysokogor. fiz.-geog. sta.
no.5:33-45 '62. (MIRA 17:10)

BLAGOOBRAZOV, V.A.; GLUSHKOVA, M.I.

Distribution of clay karst and the forms of karst relief in
Kirghizia. Rab. Tian'-Shan' vysokogor. fiz.-geog. sta. no.5:
137-141 '62. (MIRA 17:10)

BLAGOOBRAZOV, V.A.

Problems of seasonal and perennial fluctuations of the upper boundary of permafrost on elevated watersheds in the central Tien Shan. Rab. Tian'-Shan'. vysokogor. fiz.-geog. sta. no.6:65-76 '64.

Characteristics of the chemical properties of the top soils and vegetative cover of the ancient moraine of the Petrov glacier. Ibid.:85-96 (MIRA 17:12)

BLAGOOBRAZOV, V.A.

The length of the existence of the drainless Issyk-Kul'. Rab. Tian'-
Shan'.vysokogor. fiz.-geog. sta. no.7:3-13 '64.

(MIRA 17:12)
Influence of lithology on the chemical composition of the soil and
vegetation cover; based on the example of Tien Shan and the Urals.
Ibid.:87-95

Zonality of the vegetation cover of the northern slope of Terskei Ala
Tau and the problems of its seasonal dynamics. Ibid.:97-121

BLAGOBRAZOV, Vladimir Alekseyevich; ZABIROV, R.D., otv. red.

[Tien Shan Physicogeographical Station] Tian'-Shan'skaia
fiziko-geograficheskaja stantsiia. Frunze, Ilim, 1965.

223 p.

(MIRA 18:12)

BAL'MON, V.A.; BLAGORAZUMOV, A.P.

Lincoln and Romney Marsh sheep in Alma-Ata Province. Izv. AN
Kazakh. SSR. Ser. biol. nauk 3 no.1:3-17 Ja-F '65.

(MIRA 18:5)

ANTROPOVA, N.A.; KOLOBOVA, N.V., red.; BLAGORAZUMOV, P.N., red.;
TROPIMOVA, A.S., tekhn.red.

[Agroclimatic conditions of the Tatar A.S.S.R.] Agroklima-
ticheskie uslovia Tatarskoi ASSR. Kazan', Tatarskoe knizhnoe
izd-vo, 1959. 203 p. (MIRA 14:2)
(Tatar A.S.S.R.--Crops and climate)

SHUMKOVA, M.N.; BLAGORAZUMOV, P.N., red.; NABIULLINA, R.S., tekhn. red.

[How to obtain high yields of cereal crops] Kak poluchit' vysokii urozhai krupianykh kul'tur. Kazan', Tatarskoe knizhnoe izd-vo, 1959.
71 p. (MIRA 14:9)

(Grain)

VALEYEV, Sh.V.; KURAMSHIN, T.V., red.; BLAGORAZUMOV, P.N., red.; TROFIKOVA,
A.S., tekhn. red.

[Obtaining high corn yields] Opyt polucheniia vysokikh urozhaev ku-
kuruzy. Pod red. T.V.Kuramshina. Kazan', Tatarskoe knizhnoe izd-
vo, 1959. 181 p. (MIRA 14:10)
(Corn (Maize))

VOSKRESENSKAYA, I.R.; BLAGORAZUMOV, P.N., red.; GALKINA, V.N., tekhn.
red.

[Berries grown in the Tatar A.S.S.R.] IAgodnye kul'tury v Tatarskoi
ASSR. Kazan', Tatarskoe knizhnoe izd-vo, 1960. 41 p. (MIRA 14:9)
(Tatar A.S.S.R.—Berries)

BATMANOV, B.I., agronom; KURAMSHIN, T.V., starshiy nauchnyy sotr.; PALKIN, G.A., kand. sel'khoz. nauk; BLAGORAZUMOV, P.N., red.; SAGITOVA, S.G., tekhn. red.

[Experimental work on collective and state farms] Opytnaya rabota v kolkhozakh i sovkhosakh. Kazan', Tatarskoe knizhnoe izd-vo, 1960. 246 p. (MIRA 14:9)

1. Tatarskaya respublikanskaya sel'skokhozyaystvennaya opytnaya stantsiya (for Kuramshin).
(Agriculture--Experimentation)

BLAGORAZUMOV, R.V., inzhener.

Stressing reinforcements by stage i nprecast, prestressed bridge
elements. Avt.dor. 19 no.4:17 Ap '56. (MLRA 9:8)
(Prestressed concrete) (Bridge construction)

BLAGORAZUMOV, R.V., insh.

Cranes for mounting span structures up to 30 m in length. Avt. dor.
21 no. 4:29 Ap '58. (NIRA 11:4)

(Cranes, derricks, etc.)

KROPOTOV, Ivan Ivanovich; BLAGORAZUMOV, R.V., red.; DEBERDEYEV,
B.S., red. izd-va; GALAKTIONOVA, Ye.N., tekhn. red.

[Ferry crossings] Paromnye perepravy. Moskva, Avtotrans-
izdat, 1963. 80 p. (MIRA 17:1)

ZONN, S.V., prof.; KOVALEV, R.V., prof. ; RUBILIN, Ye.V.; BENEVOLO'SKIY, S.A.,
dotsent; KAZINTSEV, A.G., dotsent; NEMERYUK, G. Ye.; dotsent;
BLAGORAZUMOV, V.; MAGNUSOV, D.C.

In memory of Professor Efim Fedorovich Pavlov. Pochvovedenie
no. 7:120-121 J1 '65 (MIRA 19:1)

Blagorazumova, M. A.

Saud Biolog Sci

Dissertation: "Concerning the Cholesterin-Alkumin Complexes of Blood Serum
and Plasma."

10 June 49

Moscow Veterinary Academy

80 Vecheryaya Moskva
Sum 71

LIST AND ORDER OF PROCESSES AND PROPERTIES INDEX

Blagovest Blagovestov, M.

ca *11g*

Cholesterol-protein complexes and the amount of cholesterol in crystalline serum albumin. N. V. Okunev and M. A. Blagovestova. *Biokhimiya* 14, 308-10(1949); cf. *C.A.* 42, 1846. — Evidence is brought forward to support the view that cholesterol-protein complexes do exist in blood serum as well as in tissues. Cryst. blood serum albumin from horses and bulls contains both free and esterified cholesterol, a total of about 250 mg. % H. P.

Chem. Biol. Chem., St. Petersburg Med. Inst.

ALSO SEE METALLURGICAL LITERATURE CLASSIFICATION

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| 1900 | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1970 | 1980 | 1990 |
| | | | | | | | | | |

BLAGERAZUMOVA, M.A.

Protein bound cholesterol in the blood plasma in experimental hypercholesterinemia in rabbits. Arkh.pat., Moskva 13 no.1:43-48 Jan-Feb 1951. (CML 20:9)

1. Of the Department of Biochemistry (Head--Prof. N.V.Okunev), Stalingrad Medical Institute.

М. А. МАГОВА, М. А.

The structure of hemoglobin (Hb) in the erythrocyte.

M. A. Magovanova (Med. Inst., Stalingrad), *Ukrain. Biochem. Zh.* 24, 189-92 (1952) (in Russian); cf. *C.S.* 17, 8129d. — The present concept that Hb consists of heme and globin proteins is not accurate since cholesterol

is present in Hb and as a stable H₂PO₄—According to the author, Hb consists of a protein and a lipid component. The lipid component is a complex of cholesterol and phospholipids. The protein component is a complex of globin and heme. The author suggests that the lipid component is the main component of Hb and that the protein component is a secondary component.

vol% H₂O. For removal of H₂O to 25% soln., centrifuged, concn 25% soln. A soln. of 25% H₂O in 75% H₂PO₄ is used.

T

Country : USSR
 Category= : Human and Animal Physiology, Metabolism
 Abs. Jour. : Ref Zhur - Biol., No. 2, 1959, No. 7775
 Author : ~~MM~~ Blagorazumova, M. A.
 Institut. : Stalingrad Medical Institute
 Title : The Appearance of C¹⁴-Acetic Acid in the Various Forms of Plasma Cholesterol.
 Orig. Pub. : Sb. nauchn. rabot teor. i klinich. kafedr Stalindr. med. in-ta. Stalingrad, 1956, 17--22
 Abstract : In experiments on rabbits, both controls and rabbits with alimentary hypercholesterolemia, a study was made of the intensity with which C¹⁴-acetic acid appeared in the various forms of plasma cholesterol--total cholesterol, protein-bound cholesterol and non-protein-bound cholesterol. The labeled acetic acid was injected intraperitoneally in a dose of 100 microcuries. The count of the radioactivity of the cholesterol was made in cholesterol-dig-
 tonin preparations. Endogenous synthesized

Card: 1/3

Country : USSR
Category : Human and Animal Physiology, Metabolism
Abs. Jour. : Ref Zhur - Biol., No. 2, 1959, No. 7775
Author :
Instit. :
Title :

Orig Pub. :

Abstract : cholesterol containing C¹⁴ appeared in the blood of the control animals on the day following the injection of the acetic acid. The specific activity of the [protein-bound] cholesterol was greater in both groups of animals than that of the total cholesterol, while the specific activity of the non-protein-bound cholesterol was lower than that of the total cholesterol. In the author's opinion, this attests to the existence of two distinct forms of cholesterol. The biologically active one is

Card: 2/3

Country : USSR/Human and Animal Physiology, Metabolism
Category= :

Abb. Jour. : Ref Zhur - Biol., No. 2, 1959, No. 7775

Author :
Institut. :
Title :

Orig. Pub. :

Abstract : the protein-bound form. In the case of alimentary hypercholesterolemia, the specific activity of total and non-protein-bound cholesterol is diminished. The amount of non-protein-bound cholesterol in some cases increases by a factor of ten or more; replacement of the non-protein-bound form is negligible. The assumption is made that the accumulation of non-protein-bound cholesterol is one of the causes of vascular lipoidosis.--I.A. Serebrovskaya

Card: 3/3

BLAGORAZUMOVA, M. A.: Doc Biol Sci (diss) -- "On the lipid-protein complexes of
the blood". Stalingrad, 1958. 19 pp (Second Moscow State Med Inst im N. I.
Pirogov), 250 copies (KL, No 8, 1959, 135)

BLAGORAZUMOVA, M. A. (USSR)

"Changes in the Composition and Properties of the Lipoprotein Complexes
of the Blood in Alimentary Hypercholesterolaemia."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420011-6

APPROVED FOR RELEASE: 06/08/2000

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205420011-6

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205420011-6"

BLAGORODOVA, G.N.

TAGIROV, K.Kh., dotsent; MUSHENKOVA, S.F.; BLAGORODOVA, G.N.

Case of a fetus in the abdominal cavity of a child. Khirurgiia,
33 no.1:112-113 Ja '57 (MLRA 10:4)

1. Iz kafedry khirurgii detskogo vozrasta (sav.-dotsent K.Kh. Tagirov) Tashkentskogo meditsinskogo instituta imeni V.M. Molotova.

(FETUS,

male fetus in abdom. cavity of 16-month-old male
inf.) (Rus)

(ABDOMEN,

same)

(TERATOMA, case reports,

same)

KAZIYEV, Mamed Yakubovich; BLAGORODOVA, N.P., red.; IGNAT'YEV, V.A.,
tekhn. red.

Public control over medical service to the workers] Obshche-
stvennyi kontrol' za meditsinskim obsluzhivaniem trudiashchikhsia.
Moskva, Izd-vo VTsSPS Profizdat, 1962. 98 p. (MIRA 15:3)
(MEDICINE, INDUSTRIAL)

L 05298-67 EWT(d)/EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6031905 SOURCE CODE: UR/0058/66/000/006/H043/H044

AUTHOR: Babenko, S. P.; Blagosklonskaya, L. Ye.; Gershenzon, Ye. M.;
Orlov, L. A.; Litvak-Gorskaya, L. B.

16
B

TITLE: SHF semiconductor modulators

SOURCE: Ref. zh. Fizika, Abs. 6Zh304

REF SOURCE: Tr. I-y Mezhevuz. konferentsii ped. in-tov po radiofiz. i spektroskopii. M., 1965, 175-186

TOPIC TAGS: shf semiconductor modulator, injection, exclusion, magnetoconcentration effect, modulator

ABSTRACT: Control of ²¹Ge conductivity through the variation of the minority carrier concentration during injection, exclusion, and in the magnetoconcentration effect is investigated. To achieve adequate efficiency for a modulator using the increased carrier-concentration effect, resulting from the introduction of carriers through a p-n junction (injection), it is necessary to use a pure high-impedance material (~50 ohm. cm). Moreover, carrier concentration should vary in it 15--20 times, which corresponds to variations in resistivity from 50 to 3.5--2.5 ohm. cm. When use is made of the phenomenon of exclusion, which means that

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ACC NR: AR6031905

the specimen is deficient in minority carriers, a substantial variation in the impedance of high-resistance Ge can be produced by direct SHF-power heating. It is calculated that with the use of the magnetoconcentration effect with the specimen resistivity of over 45 ohm. cm, a diffusion length of 2-3 mm and recombination rates on the faces of $S_2 \approx 100$ cm/sec and $S_1 \approx 10^4 - 10^5$ cm/sec, the impedance is expected to vary by factors of 10-20 (with an increase in the total quantity of carriers) and by factors of 2-3 (with a decrease in the quantity of carriers). All these above-mentioned effects are recommended for use in the development of waveguide-type SHF modulators which, in principle, are absorption devices. Diagrams of the arrangement of thin Ge specimens in waveguides, as well as a block diagram of an experimental system, are given in the original article. A description is given of the methods of measuring the basic parameters of a modulator. G. Slobodenyuk. [Translation of abstract]

SUB CODE: 20/

Card

2/2 *eqh*

GEORGIYEVSKAYA, L.M.; RUBANOVA, Ye.A.; BEREZHNOVA-SOLOV'YEVNA, R.A.; BLAGOSKLONNAYA,
Ya.V.; ZHUKOV, M.V.

Acidbase equilibrium in the blood serum in pulmonary emphysema in
various stages of respiratory insufficiency. Ter. arkh., Moskva
24 no.4:23-31 July-Aug 1952. (CJML 23:2)

1. Of the Faculty Therapeutic Clinic (Acting Head -- Prof. T. S.
Istamanova), First Leningrad Medical Institute imeni Academician I. P.
Pavlov.

БЛАГОСЛОВЕННАЯ, Я. В.

Blagoslovonnaya, Ya. V.

"The Role of Nervous and Endocrine Factors in the Pathogenesis of Climacteric Neurosis." Acad Sci USSR. Inst of Physiology imeni I. P. Pavlov. Leningrad, 1955 (Dissertation for the degree of Candidate in Medical Science)

SO: Knizhnaya letopis' No. 27, 2 July 1955

BLAGOSKLONNAYA, Ya.V. (Leningrad)

Modifications of higher nervous activity during the climacteric and the effects of sex hormones. Probl.endok, 1 gorm. 3 no.1: 88-95 Ja-P '57. (MLRA 10:6)

1. Iz laboratorii vozrastnoy fiziologii i patologii cheloveka (sav. - chlen-korrespondent Akademii meditsinskikh nauk SSSR prof. V.G.Baranov) Instituta fiziologii imeni I.P.Pavlova (dir. - akad. K.M.Bykov) Akademii nauk SSSR.

(CLIMACTERIC, FEMALE, complications, neuroses, sex hormone ther. (Rus))
(NEUROSES etiology and pathogenesis, climacteric, sex hormone ther. (Rus))
(SEX HORMONES, therapeutic use, neuroses in female climacterics (Rus))

BLAGOSKLONNAYA, Ya.V. (Leningrad)

Influence of sex hormone preparations on hypercholesterinemia.
Probl.endok.i gorm. 5 no.6:49-54 N-D '59. (MIRA 13:5)

1. Iz laboratorii vozrastnoy fiziologii i patologii cheloveka
(sav. - chlen-korrespondent AMN SSSR prof. V.G. Baranov) Insti-
tuta fiziologii imeni I.P. Pavlova AN SSSR (dir. - akad. K.M.
Bykov [deceased] i endokrinologicheskogo otdeleniya (nauchnyy
rukovoditel' - chlen-korrespondent AMN SSSR prof. V.G. Baranov)
Instituta akusherstva i ginekologii AMN SSSR (dir. - chlen-
korrespondent AMN SSSR prof. P.A. Beloshapko).
(SEX HORMONES pharmacol.)
(CHOLESTEROL blood)

BARANOV, V.G.; BLAGOSKLANNAYA, Ya.V.; DAVYDOVSKIY, N.B.; LOSKUTOVA, Ye.A.; and
NIKOLAYENKO, N.V.

"The Nervous Factor in Pathogenesis of Thyrotoxicosis."

report to be submitted at the 4th Intl Goiter Conference, London, England, 5-8 Jul '60

BARANOV, V.G.; BLAGOSKLONNAYA, Ya.V.; NIKOLAYENKO, N.F.

Relation between neuroses and thyrotoxicosis. Terap.arkh. 32
no.12:24-29 '60. (MIRA 14:2)

1. Iz laboratorii vozrastnoy fiziologii i patologii cheloveka
(zav. - deystvitel'nyy chlen AMN SSSR prof. V.G. Baranov) Insti-
tuta fiziologii imeni I.P. Pavlova AN SSSR.
(NEUROSES) (HYPERTHYROIDISM)

BLAGOSKLONOV, A.S. (Ryazan')

Changes in the phonocardiogram in patients with mitral stenosis
in relation to the stage of the disease. Nauch. trudy. Riaz.
med. inst. 14:195-201 '63. (MIRA 17:5)

BLAGOSKLONOV, K.

Okhrana i Privlechenie Ptits Poleznykh v Selskom Khoziaistve (Attracting and Protection of Birds Useful to Agriculture)

Four Continent Book List, April 1954

FORMOZOV, Aleksandr Nikolayevich; OSMOLOVSKAYA, V.I.; BLAGOSKLOHOV, K.N.

[Birds and forest pests, importance of birds in controlling the number of harmful insects in forests and tree plantings] Ptitsy i vrediteli lesa; znachenie ptits v regulirovanii chislennosti vrednykh nasekomykh lesa i lesnykh posadok. Moskva, Izd-vo Moskovskogo obshchestva ispytatelei prirody, 1950. 181 p. (Sredi prirody, no.19) (MLRA 10:3)

(Birds) (Forest insects)

BLAGOSKLONOV, K. N.

Defended his Candidates dissertation in the Biology - Soil Faculty of Moscow State University on 3 July 1952.

Dissertation: "The Biology of Nesting of Insectivorous Hollow-Nest-Building Birds and Methods of Attracting Them."

SO: Vestnik Moskovskogo Universiteta, Seriya Fiziko-Matematicheskikh i Yestestvennykh Nauk, No. 1, Moscow, Feb 1953, pp 151-157; transl. in W-29782, 12 April 54, For off. use only.

BLAGOSKLOBOV, K. N.

BLAGOSKLOBOV, K. N. -- "The Biology of the Nesting of Insectivorous
Birds Which Build Their Nests in Hollows and Methods of Attracting Them."
Sub 30 May 52, Moscow Order of Lenin State U imeni M. V. Lomonosov.
(Dissertation for the Degree of Candidate in Biological Sciences).

So: Vechnaya Moskva January-December 1952

BLAGOSKLONOV, K.N.

Windbreaks, Shelterbelts, Etc.: Birds

New methods of transporting the young of small birds intended for shelterbelts
Biul. MOIP. Otd. biol. 57, no.1, 1952

FORMOZOV, AN; CSNOICOVSKAYA, V. I.; BLAGOSKICNOV, K. N.

Afforestation

"Birds and Forest Pests." Reviewed by Stokov.
Les i step' no. 4, 1952

9. Monthly List of Russian Accessions, Library of Congress, August 1955², Uncl.

BLAGOSKLONOV, K.N., kandidat biologicheskikh nauk. Predsedatel'.

On a bad book intended for young zoologists. Est. v shkole no.3:89-90 My-
Je '53. (MLRA 6:5)

1. Yunosheskaya sektsiya Vserossiyskogo obshchestva okhrany prirody.
(Popov, L.) (Zoology--Juvenile literature)

KHALITOV, K.G.; BLAGOSKLONOV, K.M., kandidat biologicheskikh nauk.

Is the rock harmful or useful? Est.v shkole no.1:93-95 Ja-F '56.
(MLRA 9:5)

1. Tatarskaya ASSR, Kamsko-Ust'inskiy rayon, derevnya B.-Karamalov
(for Khalitev); 2. Moskovskiy gosudarstvennyy universitet imeni
M.V. Lomonosova (for Blagosklonov).
(Rocks (Birds))

BLAGOSKLONOV, KONSTANTIN, NIKOLAYEVICH
BLAGOSKLONOV, Konstantin Nikolayevich; NIKHLYUDOVA, A.S., red.; SAKHAROVA,
N.V., tekhn.red.

[Protecting and attracting useful birds; a manual for teachers]
Okhrana i privlechenie poleznykh ptits; posobie dlia uchitelei.
Izd.4-e, perer. Moskva, Gos.uchebno-pedagog.isd-vo M-va prosve-
shcheniia RSFSR, 1957. 283 p. (MIRA 10:12)
(Birds, Protection of)

BLAGOSKLONOV, K.N.

~~Feeding habits and diurnal activities of the shrew Sorex tsherskii~~
Ognev [with summary in English]. Zool.zhur. 36 no.3:465-467 Mr '57. #
(MLRA 10:5)

1.Kafedra zoologii pozvonochnykh biologo-pochvennogo fakul'teta
Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(Shrews)

BLAGOSKLONOV, K.M.

CHAPSKIY, Konstantin Konstantinovich; BLAGOSKLONOV, K.N., red.; SIDOROVA,
V.I., red.isd-va; POPRIADUKHIN, K.A., tekhn.red.

[Transformation of the animal world in the U.S.S.R.] Preobrazovanie
zhivotnogo mira SSSR. Moskva, Sovetskaya nauka, 1957. 314 p.
(Animals) (MIRA 11:2)

BLAGOSKLONOV, K., kand.biol.nauk

In the preserves. IUn. nat. no.7:29-30 Ji '58.
(Kandalaksha Preserve)

(MIRA 11:9)

IVNITSKAYA, A.; BLAGOSKLONOV, K.N., kand.biol.nauk

Incident in a traveling bee yard. IUn. nat. no.8:22-23 Ag '58.
(MIRA 11:9)

(Birds, Injurious and beneficial)

BLAGOSKLONOV, K.N., kand.biol.nauk

Is the sparrow useful or harmful? IUn.nat. no.12:27-28 D '58.
(MIRA 11:12)

(Sparrows)

BLAGOSKLONOV, K.N.

~~Materials on a study of the behavior of birds~~ by N.L. Sokolov.
Reviewed by K.N. Blagosklonov. Zool. zhur. 37 no.10:1576-1578
O '58. (MIRA 11:11)

(Birds--Habits and behavior)

(Sokolov, N.L.)

BLAGOSKLONOV, K.N., kand.biol.nauk

What do you know about them? IUn.nat. no.3:21 '59.

(MIRA 12:4)

(Birds)

BLAGOSKLONOV, K.N.

Automatic devices of an amateur bird watcher. IUn. tekhn. 3 no.8:70-71
Ag '59. (MIRA 12:12)

(Birds)

BLAGOSKLONOV, K.N.

"Beneficial and injurious birds" by L.A. Portenko. Reviewed by
K.N. Blagosklonov. Zool.zhur. 38 no.6:951-952 Ja '59. (MIRA 12:11)
(Birds, Injurious and beneficial)
(Portenko, L.A.)

BLAGOSKLONOV, K.N.

"Protection of nature" by M.K.Chistotkin. Reviewed by K.N.
Blagosklonov. Zool.shur. 38 no.9:1435-1436 S '59.
(MIRA 13:1)

(Wildlife, Conservation of)

BLAGOSKLONOV, Konstantin Nikolayevich; MARKOV, N.G., red.; MAKHOVA,
N.M., tekhn.red.

[Birds in captivity] Ptitsy v nevole. Moskva, Gos.uchebno-
pedagog.isd-vo M-va prosv.RSFSR, 1960. 233 p.

(MIRA 14:1)

(Cage birds)

BLAGOSKLONOV, K.

Protect nature. IUn.nat. no.4:26-27 Ap '60.
(MIRA 13:6)

1. Predsedatel' byuro yunosheskoy sekti Vserossiyskogo
obshchestva okhrany prirody.
(Wildlife, Conservation of)

BLAGOSKLONOV, K.N.

Conservation in the light of the resolutions of the 22d Congress of
the CPSU. Zool.zhur. 41 no.8:1121-1131 Ag '62. (MIRA 15:9)

1. State University of Moscow.
(Conservation of natural resources)

BLAGOSKLONOV, K.N. (Moskva); YABLOKOV, A.V. (Moskva)

Literature of the conservation of nature. Biol. v shkole no.3:93-94
My-Je '62. (MIRA 15:7)
(Bibliography--Conservation of natural resources)

BLAGOSKLONOV, K.N.

Manual for field work on the zoology of vertebrates" by N.G.
Kremenetskii. Reviewed by K.N.Blagosklonov. Zool.zhur. 41
no.11:1755-1757 N '62. (MIRA 16:1)
(Zoology--Field work) (Kremenetskii, N.G.)

BLAGOSKLONOV, K.N.

Students conserve nature. Biol. v shkole no.2:66-68 M-Ap '63.
(MIRA 16:4)

1. Predsedatel' yunosheskoy seksii Tsentral'nogo soveta Vserossiyskogo obshchestva okhrany prirody, Moskva.
(Conservation of natural resources) (Student activities)

BLAGOSKLONOV, K.N.; GROZDOV, B.V. (Bryansk); UL'KIN, P.

Brief notes on books. Biol. v shkole no.4:88, 94 J1-Ag '63.
(MIRA 16:9)

1. Rogovskaya srednyaya shkola Novozybkovskogo rayona Bryanskoy
oblasti (for Ul'kin).

(Bibliography--Natural history)

BLAGOSKLONOV, K.N.; IL'YICHEV, V.D.

Reaction of some birds to distress calls. Zool. zhur. 43 no.2:
292-293 '64. (MIRA 17:6)

1. Kafedra zoologii pozvonochnykh Moskovskogo gosudarstvennogo
universiteta.

BLAGOSKLONOV, K.N.

Nesting of birds in city hedges. Vest. Mosk. un. Ser. 6;
Biol., pochv. 19 no.3:60-64 My-Je '64. (MIRA 17:12)

1. Kafedra zoologii pozvonochnykh Moskovskogo universiteta.

BLAGOSKLONOVA, N.Yu.

VOLKOV, Yu.I., inzh.; GAFANOVICH, A.A., kand.tekhn.nauk; GLADKOV, N.G.,
 kand.sel'skokhoz.nauk; GORKUSHA, A.Ye., agr.; ZHITNEV, N.F., inzh.;
 ZANIN, A.V., kand.tekhn.nauk; ZAUSHITSYN, V.Ye., kand.tekhn.nauk;
 ZVOLINSKIY, N.P.; ZEL'TSERMAN, I.M., kand.tekhn.nauk; KAIPOV, A.N.,
 kand.tekhn.nauk; KASPAROVA, S.A., kand.sel'skokhoz.nauk; KOLOFUSHKINA,
 A.P., kand.ekon.nauk; KRUGLYAKOV, A.M., inzh.; KURNIKOV, I.I., inzh.;
 LAVRENT'YEV, L.N., inzh.; LEBEDEV, B.M., kand.tekhn.nauk; LEVITIN,
 Yu.I., inzh.; MAKHLIN, Ye.A., inzh.; NIKOLAYEV, G.S., inzh.;
 POLESHECHENKO, P.V., kand.tekhn.nauk; POLUNOCHEV, I.M., agr.; P'YANKOV,
 I.P., kand.sel'skokhoz.nauk; RABINOVICH, I.P., kand.tekhn.nauk;
 SOKOLOV, A.F., kand.sel'skokhoz.nauk; SPISHKOVSKIY, A.A., inzh.;
 TURBIN, B.G., kand.tekhn.nauk; CHABAN, I.V., inzh.; CHAPKEVICH, A.A.,
 kand.tekhn.nauk; CHERNOV, G.G., kand.tekhn.nauk; SHMELEV, B.M., kand.
 tekhn.nauk; KRASNICHENKO, A.V., inzh., red.; KLETSKIN, M.I., inzh.,
 red.; MOLYUKOV, G.A., inzh., red.; BLAGOSKLONOVA, N.Yu., inzh., red.;
 UVAROVA, A.F., tekhn.red.

[Reference book for the designer of agricultural machinery in two
 volumes] Spravochnik konstruktora sel'skokhoziaistvennykh mashin
 v dvukh tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
 lit-ry. Vol.1. 1960. 655 p. (MIRA 13:11)

(Agricultural machinery--Design and construction)

GENEL', S.V., kand. tekhn. nauk; KESTEL'MAN, N.Ya., kand. tekhn.
nauk; KESTEL'MAN, V.N., inzh.; KOGAN, A.M., inzh.,
retsenzent; BLAGOSKLONOVA, N.Yu., inzh., red.

[Polymeric materials in food machinery manufacture] Poli-
mernye materialy v pishchevom mashinostroenii. Moskva, Izd-
vo "Mashinostroenie," 1964. 382 p. (MIRA 17:6)