

SHLYGIN, Ye. D.; MUSKANOV, K. M.; GRIGORIN, V. M.; MAGOMEDOV, S. S.

Supergene concentrations of gold in the gold ore deposits of
northern Kazakhstan. Vest. AN Kazakh. SSR. 19 no.8:43-46 Ag '64.
(MIRA 1964)

L 38606-65

EM (1)/EPA (s)-2/ENI (m)/EPE (n)-2/ENG (v)/EPR/ERP (t)/ERP (b)/ERA (1) Pe-3/

ACCESSION NR: AP5005314

AUTHORS: Amir Khanov, Kh. I. Magomedov, Ya. B.

Pg-4/Pt-10/Pu-4

S/0181/65/007/002/0637/0640

IJP (c) JD/WW/JG

TITLE: Thermal conductivity of indium antimonide in the solid and liquid states

SOURCE: Fizika tverdogo tela, v. 7, no. 2, 1965, 637-640

54
B

TOPIC TAGS: indium antimonide, thermal conductivity, electric conductivity, phonon scattering, melting point

ABSTRACT: Results are reported of the measurements of the thermal conductivity of InSb in the solid and liquid states from 76 to 900K. This is the first investigation of the thermal conductivity of InSb in the liquid state. Four samples cut from two polycrystalline ingots, with carrier density 7×10^{17} and $9 \times 10^{17} \text{ cm}^{-3}$, were used for the measurements. The measurements were made with accuracy 1.5% by an absolute method under stationary thermal conditions, in an atmosphere of argon, as described elsewhere (Izv. AN AzSSR, no. 4, 3, 1946). The results show that the thermal conductivity of InSb in the solid state decreases in the entire investigated temperature interval, displaying no anomalous increase at high temperatures. The measured electric conductivity agreed with the results of others. The results indicate that at 770K the thermal conductivity due to pairs is only 14% of the total electronic conductivity and 20% of

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the conductivity due to the carrier diffusion. This is due to the large ratio (88-90) of the electron and hole mobilities. The electronic component of the thermal conductivity is calculated from the results. The phonon conductivity is also calculated, and the results show that the thermal resistivity of InSb from 125 to 240K is due to pure three-phonon scattering processes and that a strong four-phonon influence appears above 240C. It is concluded from the analysis of the results that the temperature variation of the electric conductivity and thermal conductivity in the solid and liquid phases can be broken up into two stages, one connected with the melting and the other with further heating of the melt and ultimate transition to the metallic state. Orig. art. has: 1 figure.

ASSOCIATION: Dagestanakiy filial AN SSSR, Makhachkala (Dagestan Branch AN SSSR)

SUBMITTED: 20 May 64

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OTHER: 008

Card

2/2 *llc*

L 21225-66 EWT(m)/EWP(t) IJP(c) JD
ACC NR: AP6003821

SOURCE CODE: UR/0181/66/008/001/0290/0292

AUTHOR: Amirkhanov, Kh. I.; Magomedov, Ya. B.

ORG: Institute of Physics, Dagestan Branch AN SSSR, Makhachkala (Institut fiziki Dagestanskogo filiala AN SSSR)

TITLE: Thermal conductivity of gallium antimonide in solid and liquid states 51

SOURCE: Fizika tverdogo tela, v. 8, no. 1, 1966, 290-292 B

TOPIC TAGS: gallium alloy, thermal conduction, ordered alloy, semiconductor alloy, electric conductivity, heat change of state, melting, temperature dependence

ABSTRACT: The purpose of the investigation was to clarify the mechanism of the thermal conductivity and the effect of short-range order on its component parts. The thermal conductivity was measured by an absolute method under stationary thermal conditions, as described elsewhere (Izv. AN AzSSR v. 4, 3, 1946) in an argon atmosphere, using polycrystalline samples of p-type GaSb with carrier density $3.6 \times 10^{19} \text{ cm}^{-3}$. The data obtained at room temperature agree well with the published results. This is claimed to be the first information on the temperature dependence of the thermal conductivity of GaSb at high temperatures and in the liquid states. The results are interpreted from the point of view that there are several

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different mechanisms (electronic and phonon) of thermal conductivity in semiconductors. A jump in the thermal conductivity by a factor of two is observed during melting, and a jump in the electric conductivity by a factor of 5.4. Further heating in the liquid state is accompanied by an increase in the electric conductivity and thermal conductivity. The latter reaches a maximum at 985K. The electric conductivity continues to rise with increasing temperature and is connected with the metallization of the bonds between the elements of the compound. It is concluded that gallium antimonide is a semiconductor in the solid state and in the melting region, and has metallic properties in the liquid state. The variation of the short-range order during melting influences all the components of the thermal conductivity. Orig. art. has: 2 figures and 1 formula.

SUB CODE: 20/

SUBM DATE: 20Feb65/

ORIG REF: 019/

OTH REF: 002

Card 2/2 dda

MAGOMELOVA, A. I.

MAGOMELOVA, A. I.: "The use of chloromycetin and sintomycin to treat progressive and other purulent ulcers of the corneal membrane." Min Health USSR. Central Inst of the Advanced Training of Physicians. Moscow, 1950.
(Dissertation for the Degree of Candidate in Medical Science)

so: Knizhanava Letopis, No 17, 1950

1. MAGOMETOV, A. A.
2. USSR (600)
4. Kubachi Dialect - Phonetics
7. Sound m in the Kubachi dialect of the Darghin language. Soob. AN Gruz. SSR 11, No. 7, 1950.

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

MAGOMETOV, A.Z.

Case of uncorrected left inguinoscrotal hernia in an eight-year-old child. Khirurgiia 35 no.3:102 Mr '59.

(MIRA 12:8)

1. Iz Kurchaloyevskoy rayonnoy bol'nitsy (glavnyy vrach O.G.Solomanyuk) Checheno-Ingushskoy ASSR.

(HERNIA)

DMITROCHENKO, Aleksandr Petrovich, zasl. deyatel' nauki RSFSR;
PSHENICHNYY, Pavel Dmitriyevich, akademik; MAGON, E.E., red.;
BARANOVA, L.G., tekhn. red.

[Feeding farm animals] Kormlenie sel'skokhoziaistvennykh zhi-
votnykh. Leningrad, Izd-vo sel'khoz. lit-ry, zhurnalov i pla-
katov, 1961. 527 p. (MIRA 15:1)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk (for
Pshenichnyy).

(Feeding)

SHCHERBOV, Nikita Antonovich, prof.; MAGON, E.E., red.; BARANOVA,
L.G., tekhn. red.

[Keeping suckling sows with baby pigs in groups] Gruppovoe so-
derzhanie podsosnykh matok s porosiatami. Leningrad, Sel'khoz-
izdat, 1962. 78 p. (MIRA 15:11)

(Swine)

KAARMA, Iokhannes Yanovich; OSIN, Nikolay Petrovich; LAANMYAE, Vambola Eduardovich [Laanmäe, V.]; MAGON, E.E., red.; BARANOVA, L.G., tekhn. red.

[Estonian meat-type swine] Estonskaia bekonnaia poroda svi- nei. Leningrad, Sel'khozizdat, 1962. 109 p. (MIRA 16:4)
(Estonia--Swine breeding)

MAKAROVA, Mariya Mikhaylovna; MAGON, E.E., red.; BARANOVA, L.G.,
tekhn. red.

[Microbiology of silage] Mikrobiologiya silosa. Leningrad,
Sel'khozizdat, 1962. 190 p. (MIRA 16:4)
(Ensilage--Microbiology)

DRURI, Ivan Vasil'yevich, kand. sel'khoz. nauk; MITYUSHEV, Pavel
Vasil'yevich, kand. biol. nauk; MAGON, E.E., red.;
BARANOVA, L.G., tekhn. red.

[Deer raising] Olenevodstvo. Moskva, Sel'khozizdat, 1963.
242 p. (MIRA 16:8)
(Deer) (Antlers)

LEBEDEV, M.M., prof., red.; MAGON, E.E., red.

[heredity and variability in farm animals; collection of scientific papers; Nasledstvennost' i izmenchivost' sel'skokhoziaistvennykh zhivotnykh; sbornik nauchnykh trudov, Pod red. M.M. Lebedeva. Leningrad, Izd-vo "Kolos," 1964. 214 p. (MIRA 17:6)

1. Fusikino. Nauchno-issledovatel'skaya laboratoriya po razvedeniyu sel'skokhozyaystvennykh zhivotnykh.

DMITROCHENKO, A.P., prof., red.; MAGON, E.E., red.

[Feeding and raising young farm animals; collection of scientific work] Kormlenie i vyrashchivanie molodniaka sel'skokhoziaistvennykh zivotnykh; sbornik nauchnykh rabot. Moskva, Izd-vo "Kolos." No.5. 1964. 315 p. (MI:R 17:4)

1. Leningradskiy sel'skokhozyaystvennyy institut (for Dmitrochenko).

VOROB'YEV, Viktor Vasil'yevich; STEFAN'CHUK, Anatol'iy Andreyevich;
MAGON, E.E., red.

[Raising calves and piglets with the use of milk substitutes] Vyrashchivanie teliat i porosiat s ispol'zovaniem zamenitelei moloka. Leningrad, Kolos, 1964. 54 p.
(MIRA 19:1)

BELEKHOV, Gennadiy Petrovich; CHUBINSKAYA, Alla Aleksandrovna;
MAGON, E.E., red.

[Mineral and vitamin nutrition of farm animals] Mineral'-
noe i vitaminnoe pitanie sel'skokhoziaistvennykh zhivot-
nykh. Izd.2., perer. i dop. Leningrad, Kolos, 1965. 297 p.
(MLA 19:1)

MAGONE, J.

Sessions and conferences of the Academy of Sciences of the
Latvian S.S.R. in 1962. Izv.AN Latv.SSR no.2:136-138 '63.
(MIRA 16:4)
(Academy of Sciences of the Latvian S.S.R.)

MAGONE, J.

In the Presidium of the Academy of Sciences of the Latvian S.S.R.
Izv. AN Latv.SSR no.3:136 '63.

(MIRA 16:5)
(Academy of Sciences of the Latvian S.S.R.)

MAGONE, J.

In the Presidium of the Academy of Sciences of the Latvian S.S.R.
Izv. AN Latv. SSR no.5:154 '62. (MIRA 16:7)
(Academy of Sciences of the Latvian S.S.R.)

MAGONE, YA.

29115 Vyezdnaya sessiya .kademi. nauk Latvyskoy Sh vs. Daugavpilsē (po voprosam razvitiya kolhoznoego stroitel'stva v respublike, ly in' 1949 g.) Izvestiya Akad. nauk Latv. SSR, 1949, No.8, s. 143-52 -- Na. Latysh. i rus. yaz.

So: Leto is' zhurnal'nykh Statey, Vol. 39, Moskva, 1949

1. MAGONE, J.
2. USSR (600)
4. Reclamation of Land - Latvia
7. Out-of-town session of the Land Reclamation Institute of Academy of Sciences of the Latvian S.S.R. in Valmiera. Latv.PSR Zin.Akad. Vestis no. 10, 1950.

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

1. MORGAN, J.
2. USSR (DOC)
3. Latvia - Declaration of Independence
4. Out-of-town session of the Department of the Institute of the Academy of Sciences of the USSR in the field of
Econ. Sci. in Nov. Decis 1, 1951

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

1. [Faint text]
2. [Faint text]
3. [Faint text]
4. [Faint text]

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

MAGONE, J.

In the Presidium of the Academy of Sciences of the Latvian
S.S.R. Izv. AN Latv. SSR no.5:153 '63. (MIRA 17:1)

MAGONE, J.

Sessions and conferences of the Latvian Academy of Sciences of the
S.S.R. in 1963. Izv.AN Latv.SSR no.2:120-121 '64.

Presidium of the Academy of Sciences of the Latvian S.S.R.
Ibid.:112 (MIRA 17:4)

1. MAGONE, J.
2. U.S.R. (400)
4. Language and Languages
7. Scientific session of the Academy of Sciences dedicated to the first anniversary of publication of Comrade I. V. Stalin's outstanding work "Marxism and problems of linguistics." Latv.PSR Zin Akad Vestis No. 6 1951.

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

1. J. MAGONE
2. USSR (600)
4. Agriculture
7. Joint scientific session on problems of biology and agriculture. Latv. PSR
Zin. Akad. Vestis no. 11. 1951

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

1. MAGONE, J.
2. USSR 600
4. Reclamation of Land - Ogre
7. Session of the scientific council of the Land Reclamation Institute in Ogre,
Latv. PSR Zin Akad Vestis, No. 12, 1951.

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

MAGONE, J.

Decisions of the Presidium of the Academy of Sciences of the Latvian S.S.R.
Latv. PSR Zin.Akad.Vēstis no.2:139 '52. (MLRA 6:6)
(Academy of Sciences of the Latvian S.S.R.)

A. M. S.

PERIODICALS: VESTIS No. 1, 1958

A. M. S. Scientific conferences and programs of the Latvian Academy of Sciences
in 1958, p. 140.

Article: Scientific Conferences and Programs of the Latvian Academy of Sciences
in 1958, p. 140.

MAGONE, J.

GENERAL

PERIODICALS: VENTIS, NO. 6, 1958

MAGONE, J. Scientific Conference of the Section of Social Sciences
of the Latvian Academy of Sciences. p. 159.

Monthly list of East European Accessions (EEAI) LC, VOL. 8, No. 2
February 1959, Unclass.

MAGONE, J.

At the Presidium of the Latvian Academy of Sciences. p. 175.

LATVIJAS PSR ZINATNU AKADEMIJA. VESTIS. RIGA, LATVIA. No. 7, 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no. 2,
Feb. 1960 Uncl.

MAGONE, J.

At the Presidium of the Latvian Academy of Sciences. Vestis Latv ak
no.12:174 '59. (EEAI 9:11)
(Academy of Sciences of the Latvian S.S.R.)

MAGONE, Ya. [Magone, J.]

Grand meeting dedicated to the 150th anniversary of the birth of
Charles Darwin. Vestis Latv ak no.12:175-176 '59. (EEAI 9:11)
(Darwin, Charles Robert)
(Evolution)

MAGONE, Ya. [Magone, J.]

Conference on problems of nourishment of healthy and sick persons.
Vestis Latv ak no.1:202-206 '60. (EEAI 9:11)
(Food)

MAGONE, Yu. [Magone, J.]

In commemoration of the late P.I.Stradins and the unveiling of his
tombstone. Vestis Latv ak no.2:196 '60. (EEAI 10:1)
(Stradins, Pauls) (Physicians, Latvian)

MAGONE, J.

Scientific sessions and conferences of the Latvian Academy of
Sciences in 1959. Vestis Latv ak no.2:203-206 '60. (EEAI 10:1)
(Academy of Sciences of the Latvian SSR)

MAGONE, J.

At the Presidium of the Latvian Academy of Sciences. Vestis Latv ak
no.2:207 '60. (EEAI 10:1)
(Academy of Sciences of the Latvian SSR)

MAGONE, YA. [Magone, J.]

General meeting of the Academy of Sciences of the Latvian SSR
on February 11, 1960. In Russian. Vestis Latv ak no.3:21-25
'60. (EEAI 10:7)

(Academy of Sciences of the Latvian SSR)

MAGONE, J.

At the Presidium of the Academy of Sciences of the Latvian SSR.
Vestis Latv ak no.3:188 '60. (EEAI 10:7)
(Academy of Sciences of the Latvian SSR)

MAGONE, Ya. [Magone, J.]

Microelements; the enlarged Conference of the All-Union
Coordination Commission on Microelements. In Russian.
Vestis Latv ak no.3:189-192 '60. (EEAI 10:7)
(Trace elements)

MAGONE, J.

The Second Inter-Republic Coordination Conference on Parasitological
Problems. Vestis Latv ak no.4:202 '60. (EEAI 10:7)
(Baltic States--Parasitology) (White Russia--Parasitology)

MAGONE, J.

At the Presidium of the Academy of Sciences of the Latvian SSR.
Vestis Latv ak no.4:207 '60. (EEAI 10:7)
(Academy of Sciences of the Latvian SSR)

MAGONE, J.

Interrepublic conference of physicians. Vestis Latv ak no.6:207
'60. (EEAI 10:9)

(RUSSIA--MEDICINE)

MAGONE, J.

Grand meeting of the Academy of Sciences dedicated to the 20th
anniversary of Soviet Latvia. Vestis Latv ak no.7:229-230
'60. (EEAI 10:7)

(Latvia--History) (Academy of Sciences of the Latvian SSR)

MAGONE, J.

At the Presidium of the Latvian Academy of Sciences, Vestis Latv ak
no.9:191 '60. (EEAI 10:9)

(Academy of Sciences of the Latvian S.S.R.)

MAGONE, J.

At the Presidium of the Latvian Academy of Sciences. Vestis Latv
ak no.10:191 '60. (EEAI 16:9:10)

(Academy of Sciences of the Latvian S.S.R.)

MAGONE, Ya. [Magone, J.]

Concerning the work of the All-Union Coordination Commission on
Microelements. Vestis Latv ak no. 12:163-164 '60.
(EEAI 10:9)

(Trace elements)

MAGONE, J.

At the Presidium of the Latvian Academy of Sciences. Vestis Latv ak
no.12:186 '60. (EEAI 10:9)

(Academy of Sciences of the Latvian S.S.R.)

MAGONE, J.

In the Presidium of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak no.1:182-184 '61.

MAGONE, J.

Sessions and conferences of the Academy of Sciences of the Latvian
S.S.R. in 1960. Vestis Latv ak no.2:179-181 '61.

MAGONE, J.

Scientific conference on the vibromixing method. Vestis Latv ak
no.2:181-182 '61. (EEAI 10:9)

(Vibrated concrete)

MAGONE, J.

Scientific conference on questions of winter hardiness of cultivated plants. Vestis Latv ak no.2:182 '61. (EEAI 10:9)

(Plants)

MAGONE, J.

In the Presidium of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak no.3:168 '61.

MAGONE, Ya. [Magone, J.]

General meeting of the Academy of Sciences of the Latvian SSR in
1961. Vestis Latv ak no.4:153-156 '61. (EEAI 10:9)

(Academy of Sciences of the Latvian S.S.R.)

MAGONE, J.

Activity of scientists in connection with the construction of the
Plavinas Hydroelectric-Power Station. Vestis Latv ak no.4:170
'61. (EEAI 10:9)

(Hydroelectric-power stations) (Scientists)

MAGONE, J.

At the Presidium of the Academy of Sciences of the Latvian SSR.
Vestis Latv ak no.4:183 '61.

(EEAI 10:9)

(Academy of Sciences of the Latvian S.S.R.)

MAGONE, J.

Contribution of science to the national economy. Vestis Latv ak
no.6:173 '61.

(Agriculture)

MAGONE, J.

In the Presidium of the Latvian Academy of Sciences. Vestis Latv
ak no.6:183-184 '61.

(Academy of Sciences of the Latvian S.S.R.)

MAGONE, Ya.[Magone, J.]

Conference of leading scientific workers of the Academy of Sciences
of the Latvian S.S.R. Vestis Latv ak no.7:141-143 '61.

(Academy of Sciences of the Latvian S.S.R.)
(Latvia—Scientists—Congresses)

MAGONE, J.

In the Presidium of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak no.8:152 '61.

MAGONE, J.

Important scientific conference of chemists. Vestis Latv ak no.9:141
'61.

MAGONE, J.

Contribution of biology to horticulture and agriculture. Vestis Latv
ak no.9:142 '61.

MAGONE, J.

At the Presidium of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak no.9:152 '61.

MAGONE, J.

At the Presidium of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak no.10:151-152 '61.

(Academy of Sciences of the Latvian S.S.R.)

MAGONE, Ya. [Magone, J.]

Commemorating the 100th anniversary of the birth of Rabindranath Tagore. Vestis Latv. ak no.11:137 '61.

MAGONE, Ya. [Magone, J.]

Opening of the P.Stradins Museum of the History of Medicine.
Vestis Latv ak no.11:138 '61.

MAGONE, J.

At the Presidium of the Academy of Sciences of the Latvian S.S.R.
[in Latvian]. Vestis Latv ak no.12:144 '61.

MAGOME, J.

New factory of the Academy of Sciences [in Latvian]. Vestis
Latv. Ak. Nr. 1: 143 '62.

MAGONE, J.

The Radioisotope Laboratory has been organized. Vestis Latv
ak no.2:142 '62.

MAGONE, J.

In the Presidium of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak no.2:154 '62.

MAGONE, J.

Collaboration of the Academy of Sciences with the Society for
Dissemination of Political and Scientific Knowledge. Vestis
Latv ak no.3:136 '62.

MAGONE, J.

Awards to Latvian scientists. Vestis Latv ak no.3:136 '62.

MAGONE, J.

Academy of Sciences assists the builders of the Plavinas Hydro-
electric Power Station. Vestis Latv ak no.3:136 '62.

MAGONE, J.

At the Presidium of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak no.3:153 '62.

MAGONE, Ya. [Magone, J.]

General meeting of the Academy of Sciences of the Latvian
S.S.R. Vestis Latv ak no.6:153-127 '62.

MAGONE, J.

At the Presidium of the Academy of Sciences of the Latvian
S.S.R. Vestis Latv ak no.6:146 '62.

MAGONE, J.

In the Præsidium of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak no.7:147 '62.

MAGONE, J. —

In the Presidium of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak SSR no.8:152 '62.

MAGONE, J.

In the Presidium of the Academy of Sciences of the Latvian
S.S.R. Izv. AN Latv. SSR no.10:147-148 '62.
(MIRA 16:1)

(Academy of Sciences of the Latvian S.S.R.)

YAKIMOVICH, V., inzh.; MAGONIN, P.; SHELEST, S.; OSNOVIKOV, G.; KALACHEV,
O., inzh.; DOKTORMAN, M.; ZHITYAYEV, S.; FARBER, A., inzh.

Suggestions of efficiency operators introduced at grain procurement
stations and grain-milling enterprises. Muk.-elev. prom. 25 no.4:23-29
Ap '59. (MIRA 13:1)

1. Ministerstvo khleboproduktov Kazakhskoy SSSR (for Yakimovich).
 2. Chelyabinskoye upravleniye khleboproduktov (for Magonin).
 3. Glavnyy inzhener Novomoskovskogo zavoda po obrabotke semyan
kukuruzy (for Shelest).
 4. Altayskoye upravleniye khleboproduktov (for
Osnovikov).
 5. Ministerstvo khleboproduktov BSSR (for Kalachev).
 6. Luganskoye upravleniye khleboproduktov (for Doktorman).
 7. Kuybyshevskoye
upravleniye khleboproduktov (for Zhityayev).
- (Grain elevators) (Grain milling)

MAGONIN, P.

Continuous flow method in receiving new grain. Muk.-elev.prom.
25 no.7:3-4 J1 '59. (MIRA 12:11)

1. Chelyabinskoye upravleniye khleboproduktov.
(Grain elevators--Equipment and supplies)

REVICZKY, ALI-é; SZANTÓ, L.; SPINÁRÉ, I.; MAGNY, I. 1964

Quantitative determination of the thyroid-hormone fractions
their connection with the blood level of organic iodine. Acta
physiol. Acad. sci. Hung. 25 p. 39-59-64 1964

1. National Institute of Neurology and Medical Hygiene,
Budapest.

L 37935-66 EWT(m)/EWP(j) RM

ACC NR: AP6028495

SOURCE CODE: HU/0018/65/017/006/0634/0647

AUTHOR: Reviczky, Alice L.--Revitski, A. L.; Szanto, Laszlo--Santo, L.;
Grynaeus, Tamas--Grineus, T.; Magony, Ilona--Magon', I.

ORG: National Institute of Rheumatology and Balneology, Budapest (Orszagos Reuma es Furdougyi Intezet)

TITLE: Deiodination of I sup 131 - labelled amino acids

SOURCE: Kiserletes orvostudomány, v. 17, no. 6, 1965, 634-647

TOPIC TAGS: amino acid, tyrosine, hormone, iodine, isotope separation, chromatography

ABSTRACT: In the case of butanol extraction and chromatographic separation from KI¹³¹ or I¹³¹-labelled tyrosine, or compounds with a thyronine skeleton, the particular phase of the procedure at which a loss of iodine appears as well as the degree of this loss have been determined. The investigations were carried out in aqueous solutions and on materials mixed with serum for comparison. The problems and questions of composition of the thyroid hormones and precursors as well as of BII have been mentioned briefly. Finally, the reliability of the isotope method described and the problem of its usefulness have been discussed. The authors thank Laboratory Assistants Laszlo Cecilia and Doctor Baranyai Jozsefne for technical help. Orig. art. has: 4 figures and 3 tables. [JPRS: 34,161]

SUB CODE: 06, 07 / SUBM DATE: 13Feb65 / ORIG REF: 002 / OTH REF: 015

Card 1/1 *MILK*

L 37937-66

ACC NR: AP6028496

SOURCE CODE: HU/0018/65/017/006/0648/0655

AUTHOR: Reviczky, Alice L.--Revitski, A. L.; Szanto, Laszlo--Santo, L.;
Grynaeus, Tamas--Grineus, T.; Magony, Ilona--Magon', I.

ORG: National Institute of Rheumatology and Balneology, Budapest (Orszagos Reuma
es Furdougyi Intezet)

TITLE: Deiodination of components of the blood serum labelled endogeneously with
I sup 131 22

SOURCE: Kiserletes orvostudomany, v. 17, no. 6, 1965, 648-655

TOPIC TAGS: rat, iodine, blood serum, isotope, tracer study

ABSTRACT: In the course of the experiments, the analysis of the blood serum of rats treated with labelling-amounts of I131 are described. It is concluded that there is a great difference between the amount of iodine-hormone fractions and the total amount of serum organic iodine. It is discussed in detail and it has also been proven by means of a mathematical method that the results obtained with the active method can not be considered as analogous to those obtained with the inactive method. The results obtained with active methods correspond to the true conditions only approximately, partly because of their biological half-life and partly because of various degrees of iodine losses occurring in the course of the determination and explained by the instability of the iodine derivatives. The authors thank Laboratory Assistants Laszlo Cecilia and Doctor Baranyai Jozsefna for technical help. Orig. art. has: 3 figures and 1 table. [JPRS: 34,161]

SUB CODE: 06, 07 / SUBM DATE: 13Feb6 / ORIG REF: 005 / OTH REF: 014
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HUNGARY

REVICZKY, L., Alice, SZANTO, Laszlo, GRYNAL, Tamas, MAJONY, Ilona; National Institute of Rheumatology and Balneology (Ciszanos Kezma es Forrasag, Budapest).

"Effect of Trypsin and Pancreatin Digestion on the Iodide-Containing Proteins and Amino Acids of the Thyroid."

Budapest, Kis-Értesítő Orvostudomány, Vol XVIII, No 5, Oct 66, pages 301-304.

Abstract: [Authors' Hungarian summary] The effect of trypsin and pancreatin on the ^{131}I -labelled thyroid-proteins of rats was studied. In an identical medium, completely different results were obtained. The splitting ability of pancreatin proved to be greater and this excess appeared in the thyroxine and triiodothyronine fractions. The eventual importance of the quantitative ratio of thyroid hormones which are found in two different ways is discussed. 4 Hungarian, 12 Western references. [Manuscript received 23 Oct 65.]

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HUNGARY

REVICZKY, Alice L., SZANTO, Laszlo, MAGONY, Ilona, and GRIMAEUS, Tamas, Institute for Rheumatism and Curative Spas (Orszagos Reuma and Furdougyi Intezet).

"Contribution to the Evaluation of the Indices of Thyroid Function"

Budapest, Kiserletes Orvostudomany, Vol 18, No 6, 1966; pp 654-662.

Abstract: Authors compare two different methods of evaluating the chromatograms of rat thyroid glands digested with pancreatin. After discussing their experimental and mathematical results, authors come to the conclusion that although the percentage distribution on the filter paper does contain data characteristic of the thyroid function, this distribution must be supplemented by the K constant, which may be calculated from the ratio of the weight of the animal and the weight of the thyroid gland. 14 References, of which 6 Hungarian, rest Western. Manuscript received 26 Jan 66.

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MAGONY, Jozsef, Dr.; KORMENDY, Laszlo, Dr.

Posttraumatic removal of a 390 cm portion of the small intestine.
Magy. sebeszet 10 no.5-6:343-344 Oct-Dec 57.

1. Kalocsa Varosi Tanacs Korhaza Sebeszeti osztalyanak kozlemenye
Igazgato: Deak Bela dr., foorvos Hollosy Karoly dr.
(INTESTINE, SMALL, rupt.
traumatic, surg., removal of 390 cm portion (Hun))

MAGONY, Jozsef, dr.

Primary colon resections in ileus. Magy. onkol. 7 no.?:159-163
S'63.

1. Somogy megyei Tanacs Korhaza, Kaposvar.
(INTESTINAL OBSTRUCTION) (SIGMOID NEOPLASMS)
(CECAL NEOPLASMS) (MECKEL'S DIVERTICULUM)
(ADENOCARCINOMA) (SURGERY, OPERATIVE)

MAGONY, Jozsef, dr.; KISS, Tamas, dr.

Benign pulmonary changes simulating malignant tumors. Tuberkulozis
16 no.3:80-82 Mr '63.

1. A Somogy megyei Tanacs Korhaza Kaposvar (Igazgato: Arato Miklos dr.)
Tudosebeszeti Osztalyanak (Foorvos: Kalman Geza dr.) kozlemenye.
(LUNG NEOPLASMS) (PENICILLIN) (STREPTOMYCIN)
(DRUG RESISTANCE, MICROBIAL) (DIAGNOSIS, DIFFERENTIAL)
(TUBERCULOSIS, PULMONARY) (PLEURISY) (PULMONARY FIBROSIS)
(PNEUMONECTOMY) (THORACIC RADIOGRAPHY) (PNEUMONIA)

KISS, Tamas, dr.; MAGONY, Jozsef, dr.

Cavernous hemangioma of the ribs. Magy. sebesz. 16 no.6:
377-380 D '63.

1. Somogy megyei Tanacs Korhaza Kaposvar (Igazgato: Arato
Miklos dr.) Tudosebeszeti Osztalyanak (Foorvos: Kalman Geza
dr.) kozlemenye.

(HEMANGIOMA, CAVERNOUS) (RIBS)
(BONE NEOPLASMS) (SURGERY, OPERATIVE)
(THORACIC SURGERY) (PATHOLOGY)

HUNGARY

MARONY, Jozsef, Dr, ILIUS, Ilia, Dr, KISS, Tamas, Dr, KORNYSI, Edith, Dr;
Artulant Service and Hospital of the Council of Somogy Megye, Pulmonary
Surgery and Neurology (Somogy Megyei Tamas Rendelointezet es Korhaz,
Tudosebeszeti Osztaly es Idegosztaly).

"The Change of Occupation as a Factor in the Discovery of the Scalenus
Syndrome."

Budapest, Orvosi Hetilap, Vol 104, No 45, 10 Nov 63, pages 2146-2147.

Abstract: [Authors' Hungarian summary] A case of scalenus syndrome is
described where the symptoms appeared after the occupation of the pa-
tient was changed. The symptoms were caused by the deformed first rib on
the right side and the cervical rib which were joined by a synchondrosis.
6 Hungarian, 9 Western references.

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MAGORI, E.

HUNG.

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539.152.1
 8148. The statistical theory of the nucleus. III.
 P. GOSWAMI, E. MAGORI, B. MOLNAR AND E. SZABO.
 Acta phys. Hungar. No. 3, 267-72 (1955) in
 German.

③ The density distributions and energies for $A=$
 16, 80, 200 were calculated using the same variational
 method as in Abstr. 6690, 8991 (1952), but for a
 2-body interaction of exponential or Gaussian type.
 The former gives the best fit with empirical mass
 defects. The corresponding density is roughly
 Gaussian at $A=16$, but at $A=80$ and $A=200$ a
 central depression has developed. W. J. SWIATECKI

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MAGORI, E.

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539.152.1
 8983. Statistical theory of the nucleus. P. GOZMÁS
 E. MAGOR, B. MOLNÁR AND E. SZABÓ. *Ann. Phys.*
 [Leipzig] 16, No. 1-2, 93-6 (1955) In German.
 Previous calculations [Abstr. 6690 (1952), 7028
 (1953)] of the nuclear density, energy and exchange-
 energy based on a Yukawa two-particle interaction
 potential have been extended to the case of expo-
 nential and Gaussian potentials. O. E. BROWN

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MAGORI, E.

HUNGARY/Nuclear Physics - Structure and Properties of Nuclei C-4

Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 5431

Author : Gombas, P., Szepfalusy, P., Magori, E.
Inst : The University, Budapest, Hungary
Title : Statistical Theory of Atomic Nuclei. Part IV.

Orig Pub : Acta phys. Acad. sci. hung., 1957, 7, No 2, 251-245

Abstract : Unlike the previously developed quantitative statistical nuclear theory (Gombas, P. Acta sci. hung, 1952, 1, 329), based on the Yukawa interaction law $J = -(\gamma / r - r^1) (\exp)[-r - r^1 / r_0]$, with the quantity and the nucleon density considered as variational parameters, a calculation is performed in which r_0 is also considered a variational parameter. It turns out that the energies of the nuclei and the radii become refined in this case in a slight degree compared with the preceding calculations, in which r_0 was assumed to be equal to $h/M_\pi c$, where M_π is the mass of the meson. See also Referat Zhur Fizika, 1956, No 4, 9723.

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MAGORI I

66. Automatic feeder for milk of lime - Automatikus mesztajadagoló - by I. Magori and F. Erödi (The Sugar Industry - Cukoripar - Vol. IV, No. 1, pp. 19-20, Jan. 1951, 2 figs.)

The engineering brigade at the Mazonhegyes Sugar Plant constructed an automatic feeder for milk of lime. The apparatus comprises four parts: (1) The measuring wheel, — as driving mechanism — consists of a rotating drum with four chambers. When one of the chambers fills up, the juice overflows into the next chamber; the equilibrium is thereby upset and the wheel starts to rotate. The rate of rotation is proportionate to the amount of streaming juice. (2) The milk of lime feeder (a trough-shaped container with blades) is driven by the measuring wheel. (3) A device regulating the feeding according to the density of the milk of lime consists chiefly of a large heavy float (weighing 240 kgs). This device is suitable for regulating the feeding from 17 to 23 Be°. (4) A distributor, from which the milk of lime can be led either into the mixer or into the saturation tank without the slightest danger of clogging. (1)

ROGUSZ, Maciej; BUCHALSKI, Jan; KUCZYNSKI, Kazimierz; DZIUBA, Teresa

Studies on the effectiveness of the "S" test. . . .
20 no.18:72-74n. 3 My 1971.

1. Z Instytutu Ekspertyz Sądowych w Krakowie. Dyrektor: prof.
dr. Jan Sehn. 1 z III Kliniki chorób wewnętrznych AM w Krakowie
(Kierownik: prof. dr. Julian Aleksandrowicz).

MAGOS, Katalin

Engineer-technician meeting at the Csepel Iron and Steel
Foundries. Koh lap 97 no.3: Supplement 'Ontode 15 no.3:70
Mr'64.

MAGCS, K. 1111; No. 1111. 1111, 1111

Division news. for sup. of n. 7: sup. 1: Outside 15 no. 1160-107
11 164.