

PLAVEC, M.; SEMRAL, I.; MURLAS, J.

Trajectories of particles ejected from L_1 in RW limit. *Publ. astr. Cz 15* no. 5:172-178 '64.

1. Astronomical Institute, Czechoslovak Academy of Sciences, Ondrejov (for Plavec, and Semral). 2. Calculation Research Center, Prague (for Murlas).

PLAVEC, M.

On the need for a two-parametric classification of close binaries. Biul astr Cz 15 no. 4:156-160 '64.

1. Astronomical Institute, Czechoslovak Academy of Sciences, Ondrejov.

PLAVEC, M.; KRATOCHVIL, F.

Tables for the Roche model of close binaries. *Bull astr Soc*
15 no.5:165-170 '64

1. Astronomical Institute, Czechoslovak Academy of Sciences,
Ondrejov (for Plavec). 2. Charles University, Prague (for
Kratochvil).

L 41519-65
A44045110

14

Ruml, Vladimír, (Candidate of Medical Sciences, Doctor); Sadil, Josef, (Doctor of Physiological Sciences); Schnal, Ladislav; Stverák, Jiri, (Doctor); Sventka, Zdenek, (Doctor); Tuma, Jaroslav, (Candidate of Physical and Mathematical Sciences, Doctor); Tydl, Vaclav, (Docent, Engineer); Mehla, Ivan, (Candidate of Technical Sciences, Professor, Doctor); Valnický, Boris, (Candidate of Physical and Mathematical Sciences, Doctor); Vanysek, Vladimír, (Candidate of Physical and Mathematical Sciences, Docent, Doctor); Vlasak, Marian, (Candidate of Physical and Mathematical Sciences; Doctor); Voda, Miloslav, (Engineer)

Principles of astronautics (Zaklady kosmonautiky) Prague, Orbis, 1964. 445 p. illus., biblio. 5000 copies printed.

TOPIC TAGS: cosmonautics, rocket, satellite, space flight, missile ² ₁₅

PURPOSE AND COVERAGE: This publication is a popular scientific reference book for people working in cosmonautics. The book presents a survey of cosmonautics and space flight up to 1 June 1963.

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 ENT(g)/FS(v)-3/SPF(c)/REC(k)-2/ENG(s)-2/EMP(i)/EMP(f)/ENG(v)/EMP(c)/EMP(v)/EMA(l)/
 EMP/EMP(j)/T-2/ENG(a)-2/EMP(h)/BPA(bb)-2/EEG(c)-2/EBD-2/ENG(c)/FCS(k)/EMP(b)/
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 (Doctor); Dvorak, Antonin, (Candidate of Medical Sciences); Dvorak, Josef, (Doctor);
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 (Doctor of Physical and Mathematical Sciences, Corresponding Member of the
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 Physical and Mathematical Sciences, Doctor); Klecank, Josip, (Doctor); Klost,
 Emil, (Candidate of Physical and Mathematical Sciences); Kolodovsky, Milan; Koml,
 Vladimír (Doctor); Korycky, Miloslav, (Candidate of Legal Sciences); Kravsky,
 (Candidate of Physical and Mathematical Sciences); Kruz, Zdenek, (Can-
 didate of Physical and Mathematical Sciences); Ledvina, Milan, (Engineer); Malcik,
 Vladimír, (Doctor); Moravec, Milan, (Candidate of Medical Sciences); Mrazek,
 Jaroslav, (Candidate of Medical Sciences, Engineer); Mrazek, Jiri, (Candidate of
 Technical Sciences); Neuzil, Ludek, (Doctor); Novotny, Zdenek, (Candidate of
 Physical and Mathematical Sciences); Novotny, Zdenek, (Doctor); Perneger, Jaroslav,
 (Doctor); Candidate of Physical and Mathematical Sciences; Pensek, Rudolf, Professor,
 Doctor, Engineer); Pinal, Miloslav, (Doctor of Technical Sciences, Corresponding
 member, of the Czechoslovak Academy of Sciences); Flavec, Mironlav, (Doctor);
 Pokorny, Zdenek, (Candidate of Physical and Mathematical Sciences, Docent, Doctor);

Card 1/2
2

PLAVEC, M.

PHASE I BOOK EXPLOITATION

CZECH/5996

Budějický, Jaromír, Zdenka Plavcová, and Miroslav Plavec

Radioastronomie (Radio Astronomy) Prague, Nakl. ČAV, 1962. 396 p.
2000 copies printed.

Sponsoring Agency: Československá akademie věd.

Scientific Ed.: Jirí Bouška, Doctor; Scientific Reviewers:
B. Kvasil, Professor, Doctor; and Pavel Mayer, Physicist;
Ed. of Publishing House: Antonín Burda; Tech. Ed.:
František Končický.

PURPOSE: This book is intended for scientific workers,
electronic engineers, designers of radio telescopes and related
equipment, technicians, and students concerned with the explora-
tion of space by radio.

COVERAGE: The book discusses the fundamentals of radio-astronomy
and general stellar astronomy. Information is given on radio
observations of the Sun, Moon, planets, meteors, and auroras.

Card 1/15

PLAVEC, MILA ROSLAV

PHASE I BOOK EXPLOITATION CZECH/5216

Budil, Ivo, ed.

Do blízkého i vzdáleného vesmíru (Into the Near and Distant Universe) Prague, Orbis, 1960. 10,000 copies printed.

Authors: Milan Pleha, Doctor of Natural Sciences, Candidate of Physics and Mathematics. Ondřej Brychta, Engineer. Jan Bukovský, Professor, D.C.Sc., Václav Bumba, Doctor of Natural Sciences, Candidate of Physics and Mathematics. Zdeněk Cepelach, Candidate of Physics and Mathematics. Josef Dvořák, Doctor of Medicine. Vladimír Guth, Doctor of Natural Sciences, Corresponding Member of the Slovak Academy of Sciences, Doctor of Physics and Mathematics. Jánip Kleczek, Doctor of Natural Sciences, Candidate of Sciences, Candidate of Physics and Mathematics. Milošlav Kozický, Doctor of Natural Sciences, Candidate of Physics and Mathematics. Ladislav Plavec, Doctor of Natural Sciences, Candidate of Physics and Mathematics. Jaroslav Ruprecht, Candidate of Physics and Mathematics. Josef Sadil. Ladislav Sehnal, Candidate of Physics

Card-1/23

and Mathematics. Zdeněk Švestka, Doctor of Natural Sciences, Candidate of Physics and Mathematics. Boris Valný, Doctor of Natural Sciences and Vladimir Vavřek, Doctor of Natural Sciences, Candidate of Physics and Mathematics. Resp. Ed.: Josef Sadil.

FURPOSE: This book is intended for the general reader interested in astronomy, celestial mechanics, and astrophysics.

COVERAGE: The book presents in popular language and in summary form the most important achievements of science to date in the field of astronomy, celestial mechanics, astrophysics, and astrophysics. It contains information on the moon, the planets, and comets travel to the moon and in our solar system and vicinity to the nearest stars and galaxies. In the section headed "About the Authors" the degrees and titles, affiliations and scientific contributions of each author are given. The text is accompanied by many diagrams, graphs, and tabular data. There are 37 photographs of various celestial bodies. No personalities

Card-2/23

are mentioned. There are 29 references, all Czech (several translations).

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THE NEAR UNIVERSE

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PLAVEC, M.

Explosions in comets and the origin of meteoric swarms. p. 91.
(Pokroky Matematiky, Fysiky A Astronomie, Vol. 2, no. 1, 1957. Praha,
Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC, Vol. 6, no. 10, October 1957. Uncl.

PLAVEC, M.

Conference on radio astronomy in Manchester. p. 35. (Casopis Československých
Ustavnu Astronomických, Vol. 6, No. 3, 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC, Vol. 6, No. 8, Aug 1957. Uncl

ILLEGIBLE

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200022-6

"How meteoric streams are 'growing old'; the evolution of meteoric streams. II.
(p.3). RISE HVEZD. (Ceskoslovenska spolecnost astronomicka) Praha. Vol. 35,
No. 1, Jan 1954.

SO: East European Accessions List, Vol. 3, No. 8, Aug 1954.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200022-6

PLAVEC, M.

On the relations between minor planets and meteor streams [in English with summary in Russian]. Biul.astron.inst.Chek. 5 no.2:38-42 Ap '54.
(MLRA 7:6)

1. Astronomical Institute, Technical University, Prague.
(Planets, Minor) (Meteors)

PLAVEC, M.

A method of computing the perturbations caused by a planet in its sphere of activity [in English with summary in Russian]. *Biul.astron. inst. Chekh.* 5 no.2:32-37 Ap '54. (MLRA 7:6)

1. Astronomical Institute, Technical University, Prague.
(Perturbation)

PLAVEC, M.

PLAVEC, M. (1954)

A classification of the meteor streams [in English with summary in Russian]. *Biul.astron.inst.Chekh.* 5 no.1:15-21 P '54. (MLRA 7:5)

1. Astronomical Institute, Technical University, Prague. (Meteors)

PLAVEC, M.

"Evolution of meteoric streams." (p.205). RISE HVEND. (Ceskoslovenska spolecnost astronomicka) Praha. Vol. 34, No. 9/10, Dec. 1953.

SO: East European Accessions List, Vol. 3, No. 6, Aug 1954.

PLAVEC, H.

"Jupiter's Moons." p. 165. (MATEMATICKO-FYZIKALICKÉ ROZHLEDY, Vol. 32, no. 6, 1963, Praha, Czechoslovakia)

So: Monthly List of East European Accessions, IC, Vol. 6, no. 5, May 1964, (unclassified)

PLAVCO, L.

"How Do We Measure Distances In The Universe?" p. 9. (Историко-
Природоведческие Записки, Vol. 3, No. 3, 1955, p. 9.)

Vol. 3, No. 3.

So: Monthly List of East European Acquisitions, Library of Congress, April 1955, p. 24.

PLAVEC, M.

Photoelectric minima of eclipsing binaries, 1962.
Biul astr Cz 15 no.1:23-26 '62.

1. Astronomical Institute of the Czechoslovak Academy of
Sciences, Ondrejov.

PLAVEC, M.

"Relations Between Minor Planets and Meteor Streams." p. 195.
(Biulleten Astronomicheskikh Institutov Chekhoslovakii. Bulletin of the Astronomical
Institutes of Czechoslovakia. Vol. 4, no. 6, Dec. 1953. Praha).

SO: Monthly List of ^{East European} ~~Russian~~ Accessions, Vol. 3, No. 6, Library of Congress, June 195⁴, Uncl.

Library.

Monthly List of East German Academic Publications, 1960-1961
Vol. 1, No. 1, 1960
Vol. 1, No. 2, 1960
Vol. 1, No. 3, 1960
Vol. 1, No. 4, 1960
Vol. 1, No. 5, 1960
Vol. 1, No. 6, 1960
Vol. 1, No. 7, 1960
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Vol. 1, No. 9, 1960
Vol. 1, No. 10, 1960
Vol. 1, No. 11, 1960
Vol. 1, No. 12, 1960
Vol. 2, No. 1, 1961
Vol. 2, No. 2, 1961
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Vol. 2, No. 10, 1961
Vol. 2, No. 11, 1961
Vol. 2, No. 12, 1961

Vol. 1, No. 1.

St: Monthly List of East German Academic Publications, 1960-1961, March 1961, 1961.

PLAVCOVA, Z.

PHASE I BOOK EXPLOITATION

CZECH/5996

Budějický, Jaromír, Zdenka Plavcová, and Miroslav Plavec

Radioastronomie (Radio Astronomy) Prague, Nakl. ČAV, 1962. 396 p.
2000 copies printed.

Sponsoring Agency: Československá akademie věd.

Scientific Ed.: Jiří Bouška, Doctor; Scientific Reviewers:
B. Kvasil, Professor, Doctor; and Pavel Mayer, Physicist;
Ed. of Publishing House: Antonín Burda; Tech. Ed.:
František Končický.

PURPOSE: This book is intended for scientific workers,
electronic engineers, designers of radio telescopes and related
equipment, technicians, and students concerned with the explora-
tion of space by radio.

COVERAGE: The book discusses the fundamentals of radio-astronomy
and general stellar astronomy. Information is given on radio
observations of the Sun, Moon, planets, meteors, and auroras.

Card 1/1

PLANNING, E.

The contents of exhibit are classified as follows: (S) .
SECRET & UNCLASSIFIED, (S) . (S) . (S) . (S) .

EO: Monthly list of sub. weapons accessories, (S) . (S) . (S) . (S) . (S) . (S) .
incl.

PLAVACAN, A.

Plavanan, A. New methods of cooling for glass-melting equipment.p.160.

SO: Monthly List of the East European Accession, (EEAL), IC. Vol. 4,
no. 10, Oct. 1955. Uncl.

PLAUTSIN⁴SH, L. K.

"Printsipy i praktika sozaniya etnograficheskikh muzejev god otpravleni-
nehom v Latvinskoy SSR."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

BABIY, L.T., kand. sel'khoz. nauk; KAYLOV, V.B., kand. sel'khoz.
nauk; KRIKUN, A.A., Geroj Natsionalnogo Laborskogo Truda,
kand. sel'khoz. nauk; SHELIN, I.G., kand. sel'khoz.
nauk; KARYAKINA, N.I., kand. sel'khoz. nauk; PLAVIN,
P.A., kand. ekon. nauk; IVANOVA, A., red.; SERGEEVA, V.,
red.

[The economics and organization of poultry raising] Eko-
nomika i organizatsiia pitsevodstva. Moskva, Izd-vo
"Kolos," 1964. 357 p. (MIRA 18:2)

ZARINS, P.; ANGERS, P.; FLAUDE, O.; NIEKSTINS, J.; PETERSONE, A.

[Storage and processing of farm products. Latvianization
produktu unglabasana un parstradasana. Riga, Latvijas
valsts izd-va, 1964. 378 p. 2. papildinotais izdevums.
(MIRA 10:5)

PLAUDE, N.O.

Some problems of the quantitative measurements of the
characteristics of ice-forming aerosols. Trudy SMO
no.65:83-92 165. (MIRA 12:77)

PLAUDE, H.O.; SOLOV'YEV, A.D.

Use of particles with a large specific surface for the
modification of clouds and fogs. Trudy TSNAO no. 65:30-47
165. (KERA 12:11)

L 11908-66
 ACC NR: AT5028266

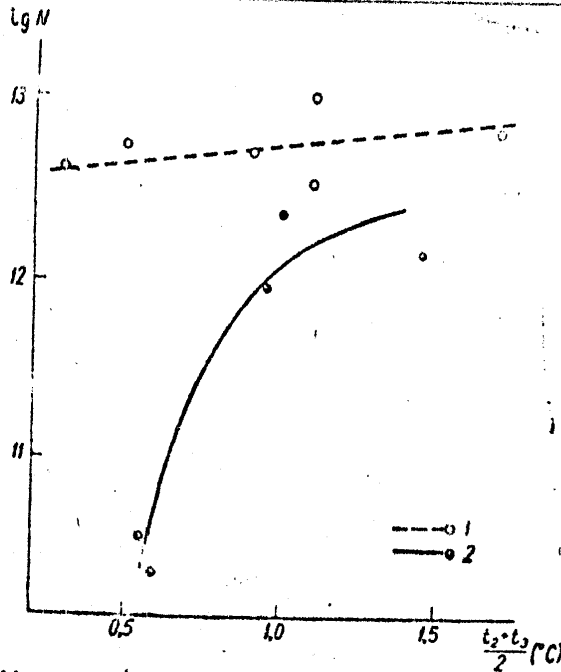


Fig. 2. Yield of ice crystals versus vertical temperature gradient in chamber when the temperature at the center is -9.5° (1) and -5° (2); t_1 is the temperature recorded by the i -th thermometer.

Orig. art. has: 1 diagram, 5 graphs, 1 formula, and 1 table.

SUB CODE: 04/

SUBM DATE: none/

ORIG REF: 002/

OTH REF: 003

Card 3/3

L 11908-66

ACC NR: AT5028266

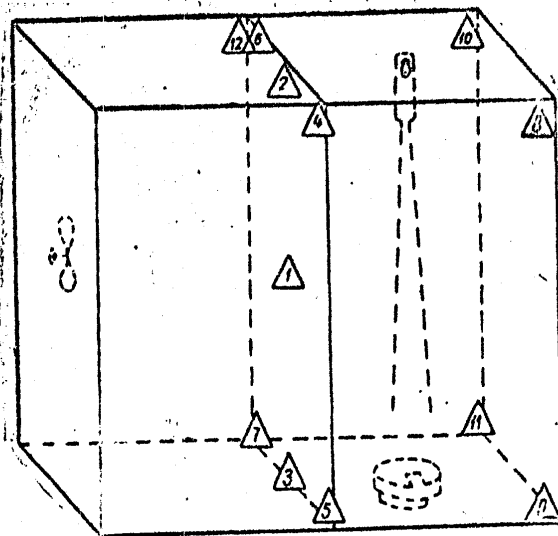


Fig. 1. Location of thermometers in refrigerating chamber.

the introduction of an aerosol can affect the yield of ice crystals (see Fig. 2).
The author thanks A. D. Solov'yev for assistance and discussion.

41 55

L 11908-66 · EWT(1)/FCC RB/GW

ACC NR: AT5028266

SOURCE CODE: UR/2789/65/000/065/0083/0092

AUTHOR: ⁴⁴ Plaude, N. O. ¹⁷

ORG: Central Aerological Observatory (Tsentral'naya aerologicheskaya observatoriya)

TITLE: Some problems of quantitative measurements of the characteristics of ice-forming aerosols ^{17/44-55} ^{9M}

SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy, no. 65, 1965. Iskusstvennyye vozdeystviya na oblaka i tumany (Artificial actions on clouds and fogs), 83-92

TOPIC TAGS: aerosol, ice, error, measurement, temperature gradient, resistance thermometer, refrigeration engineering, test chamber

ABSTRACT: An examination was made of sources of measurement error that can arise when a refrigerating mixing chamber is used to determine the yield of ice-forming particles per unit mass of the active substance. The experimental refrigerating chamber had dimensions of 90 x 46 x 72 cm, and was fitted with 12 resistance thermometers made of 30-micron copper wire wound on forms of MRT-0.5 resistors (see Fig. 1). The studies showed that standard measurements of the ice-forming activity are best made under conditions of natural heating of the chamber, when the cooling system is disconnected. It was found that temperature gradients in the chamber, the water content of the fog, and local supersaturations produced in the chamber with

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L 12134-66

ACC NR: AT5028263

$$\varphi_{b.0} = \frac{w E b}{4 v_0}$$

$$\varphi_{d.0} = \frac{w E d}{v_0}$$

where φ_k , φ_b , φ_d are the relative increases in the initial volume of a drop, a bubble, and a disk, respectively, due to gravitational coagulation, w the water content of the cloud, E the capture coefficient of cloud droplets by the corresponding particles, δ the thickness of the film of the particle, r the drop radius, and η the efficiency of the reagent in the cloud. The relatively large transverse cross section and increased rate of condensation growth give bubbles and disks the advantage over drops, but these characteristics reduce their rate of precipitation and the capture coefficient of cloud droplets by these particles. The use of charged bubbles can be more effective because they can be given a greater specific charge than drops. The effectiveness of hygroscopic bubbles and drops is found to be similar in fog dissipation; the efficiency of disks is low in this case. The bubble dimensions can be varied within definite limits by changing the atomizer parameters, and the film thickness can be changed by changing the concentration of the foaming agent. The authors thank N. N. Novikova for performing the calculations. Orig. art. has: 18 formulas, 7 graphs, and 1 table.

SUB CODE: 04/ SUBM DATE: none/ SOV REF: 008/ OTH REF: 008

Card 2/2 HW

L 12134-66 EWT(1)/FCC GW

ACC NR: AT5028263

SOURCE CODE: UR/2789/65/000/065/0030/0047

AUTHORS: Flaude, N. G.; Solov'yev, A. D.

ORG: Central Aerological Observatory (Tsentral'naya aerologicheskaya observatoriya)

TITLE: On the use of particles with a large specific surface for cloud and fog modification

SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy, no. 65, 1965. Iskusstvennyye vozdeystviya na oblaka i tumany (Artificial actions on clouds and fogs), 30-47

TOPIC TAGS: cloud seeding, atmospheric cloud, fog, Reynolds number, droplet atomization, atmospheric condensation, coagulation

ABSTRACT: Problems of using reagents for cloud and fog modification in the form of thin-walled bubbles and disks in order to obtain a greater specific surface are examined, and results of experiments in developing methods of bubble generation are presented. Formulas are given that allow comparison of the efficiencies of reagents in the form of drops and bubbles and disks:

$$\eta_{K^0} = \frac{d^2}{dH} = \frac{3wL_v}{4r_0} K^2$$

PLAUDE, N. O.

Coagulation growth of ice crystals in a supercooled cloud.
Trudy TSAO no. 51: 33-41 '63. (MIRA 17:5)

ACCESSION NR: AT4040007

ENCLOSURE: 02

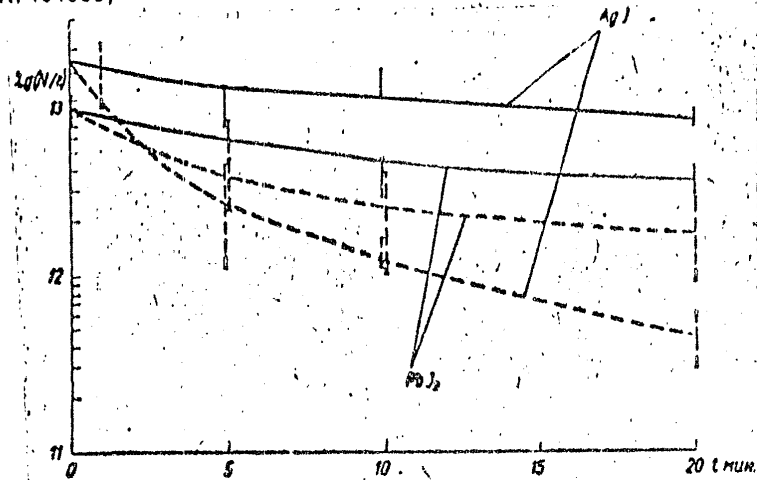
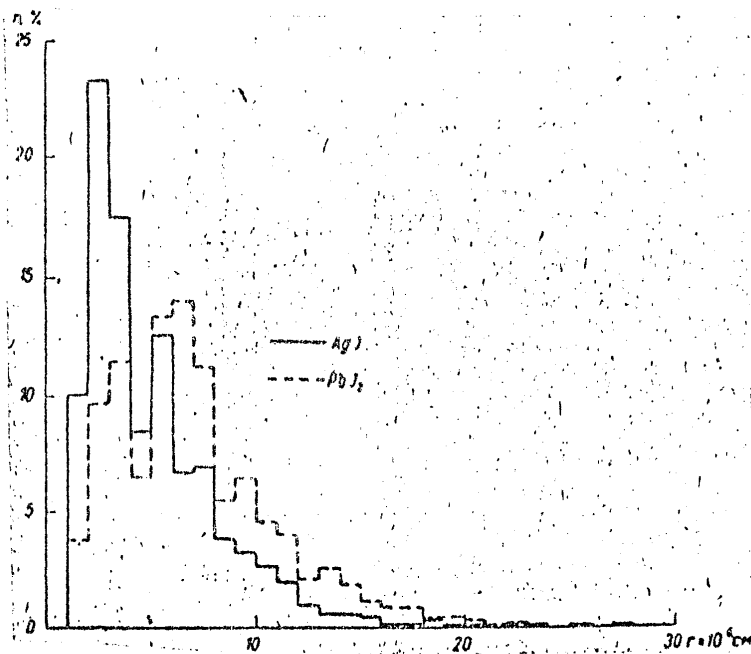


Fig. 2. Number of AgI and PbI₂ particles per gram of substance remaining active after being exposed for time t in an aerosol chamber, either without exposure to radiation (solid curve) or with exposure to ultraviolet radiation (dashed curves).

Card 4/4

ACCESSION NR: AT4040007

ENCLOSURE: 01



Card 3/4

Fig. 1. Particle-size distribution of AgI and PbI₂ aerosols.

ACCESSION NR: AT4040007

exposure to radiation and the dashed lines the particles remaining active after exposure to UV radiation. The figure also shows the mean square errors in measurements. It is shown that a silver iodide aerosol is deactivated intensively under the influence of UV radiation. After 20 minutes exposure its activity is only 1/18th of an unexposed aerosol. Lead iodide is much less sensitive, decreasing in the same time by a factor of only 2. Orig. art. has: 2 figures.

ASSOCIATION: Tsentral'naya aerologicheskaya observatoriya (Central Aerological Observatory)

SUBMITTED: 00

ENCL: 02

SUB CODE: ES

NO REF SOV: 003

OTHER: 004

Card 2/4

ACCESSION NR: AT4040007

S/2789/63/000/051/0029/0032

AUTHOR: Aksenov, M. Ya.; Plaude, N. O.

TITLE: Influence of ultraviolet radiation on the ice-forming activity of a lead iodide aerosol

SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy*, no. 51, 1963, 29-32

TOPIC TAGS: meteorology, weather modification, cloud seeding, lead iodide, silver iodide, aerosol, ice formation, ultraviolet radiation

ABSTRACT: Many studies have been made of the deactivation of the ice-forming capability of a silver iodide aerosol under the influence of solar and ultraviolet radiation, but the influence of such radiation on a lead iodide has been little studied. Such experiments have now been made, parallel with experiments with silver iodide. Fig. 1 of the Enclosure shows the particle-size distribution in the investigated aerosols. The source of UV radiation was a PRK-2 mercury-quartz lamp. The experiments, each of which was repeated 3-7 times under identical conditions, are described in detail. The results of measurements in the form of the production of ice crystals per gram of reagent are shown in Fig. 2 of the Enclosure. The solid lines show the change in the quantity of active particles with time without

Card 1/4

AKSENOV, M. Ya.; VERNIDUB, I. I.; KARTSIVADZE, A. I.; OKUDZHAVA, A. M.;
PLAUDE, N. O.; SHISHMINTSEV, V. V.

Study of the ice-forming activity of silver iodide aerosol
generated in the burning process of pyrotechnical compositions.
Trudy Inst. geofiz. AN Gruz. SSR 20:197-204 '62.
(MIRA 16:1)

(Silver iodide) (Atmospheric nucleation)

On the accommodation coefficient ... S/169/62/060/003/031/056
E073/0535

whilst the time of the complete evaporation was measured with a stopwatch. The temperature and humidity of the air were determined by means of an Assman psychrometer, whereby the cambric of the psychrometer was wetted with alcohol. The values of the accommodation coefficient obtained experimentally at one and the same temperature differed considerably from each other, whereby the scatter of the measured results increase with increasing mean value of the measured quantity. At a relative humidity of 35-95% with respect to the ice, the accommodation coefficient decreased with increasing temperature, approaching a magnitude of 0.02-0.04, which was determined for water. At -10°C the accommodation coefficient was 0.7, which is considerably less than the values usually assumed in problems of sublimation growth and evaporation of ice crystals in clouds. The obtained results may possibly give an indirect confirmation of the assumption of the existence of a liquid or "liquid-like" film on the surface of the ice at temperature down to -25°C . 20 references.

[Abstractor's note: Complete translation.]

Card 2/2

S/169/62/000/008/031/090
E073/E535

AUTHORS: Kiryukhin B.V. and Plaude N.O.

TITLE: On the accommodation coefficient (of condensation)
of ice

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 25,
abstract 83193 (In collection: Issled. oblakov, osadkov
i grozovogo elektrichestva (Studies of clouds,
precipitations and thunderstorm electricity), N.,
AN SSSR, 1961, 30-35)

TEXT: An estimation is given of the magnitude of the
coefficient of accommodation of ice at high humidities of the air
by determining the duration of complete evaporation of frozen
water drops. Experiments with evaporation of frozen water drops
were carried out in a freezing chamber with an average air
temperature of -10 and -7°C and an average humidity of 80 and 80%,
respectively. Drops of 20-90 μ diameter, produced by atomizing
distilled water, were caught by means of ~ 2 μ diameter particles
of BF_2 (BF-2) glue and frozen by means of solid carbon dioxide.
The evaporation of the drops was observed by means of a microscope,
Card 1/2

PLAUDE, Karl Karlovich; GRISLIS, Viktor Yanovich; RAMAN, M.L., kand.
tekh. nauk, retsenzent; VENGRANOVICH, A., red.; BOKMAN, R.,
tekh. red.

[Automatic control of the regulators of central hot-water heating systems; experience of the Laboratory of Thermal Systems]
Avtomaticheskoe regulirovanie sistem tsentral'nogo vodianogo otopleniia; opyt rahoty Laboratorii teplovykh sistem. Riga, Izd-vo Akad.nauk Latviiskoi SSR, 1959. 89 p. (MIRA 14:12)
(Hot-water heating--Regulators)

KELDYSH, M.V., akademik; FEDOROV, Ye.K., akademik; ARTSIMOVICH, L.A., akademik;
 SISAKYAN, A.P., akademik; GERSHIY, I.I.; PAPIYNA, P.I.; FOK, V.A.;
 LANDAU, I.D.; LIFSHITS, Ye.M.; SHAL'NEV, A.I.; KALASHNIKOV, I.S.;
 ALEKSEYEVICH, N.Ye.; VIKHRETOV, I.A.; PALLADIN, M.V., akademik;
 SATPAYEV, S.I., akademik; AMBARTSUMYAN, V.A., akademik; KURAVLICH,
 V.F.; NUSIMISEVILI, N.I., akademik; KARAFEYEV, F.K.; MUSIEM', E.R.;
 MASEVICH, I.G., doktor fiz.-matem.nauk; ERKON, K.K.; KARIYEV, D.Ya.,
 prof.; GALIMYEV, A.A., akademik; HANOV, K.K., prof.; CHIOVA, W.,
 A.G., prof.; FILATOVA, L.G., prof.; FEYVE, Ye.V.; SEMIKHATOV, B.N.,
 prof.; TEL'EV, M.G.; RYCHAGOV, G.I.; BARSILAYA, V.F.; VIASSVA, A.A.;
 BARANOVA, Ye.P.; KIBARDINA, L.A.; ISACHENKO, A.F.; IL'INA, Yu.F.;
 DANILOV, L.I., prof.; FLAUDE, K.K.; NECHAYEVA, T.N., prof.; CHEPEL,
 L., doktor; SZANTO, Ladislav, akademik; BELACHIK, Yozef; FAN LUK
 V'YEM; HIGENSON, M.S., prof. (L'vov); STAROV, E.; ALEXANDRICH, Yu.;
 VOSPRESEN'SKIY, V.; KROPACHEV, A.; REZVOY, D., prof., (L'vov);
 FONDRAF'YEV, V.N., akademik; ILEEDINSKIY, V.I., kand.geol.-mineral.-
 nauk; YANSHIN, A.L., akademik

"Priroda" is 50 years old. Priroda 51 no.1:3-16 Ja '62.
 (MIRA 15:1)

1. Prezident AN SSSR (for Keldysh). 2. Glavnyy uchenyy sekretar'
 Prezidiuma AN SSSR (for Fedorov). 3. Akademik-sekretar' Otdeleniya
 fiziko-matem.nauk AN SSSR (for Artsimovich). 4. Akademik-sekretar'
 Otdeleniya biologicheskikh nauk AN SSSR (for Sisakyan). 5. Chlen-
 korrespondent AN SSSR, zamestitel' akademika-sekretarya Otdeleniya
 (Continued on next card)

KELDYSH, M.V.; PALLADIN, A.V.; KUPREVICH, V.F.; ABDULLAYEV, Kh.M.; SATPAYEV,
K.I.; MUSKHELISHVILI, N.I.; MAMED-LIYEV, Ya.G.; MATULIS, Ed.Ye.;
GROSUL, Ya.S.; PLAUDE, K.K.; KARAKYEV, K.K.; UMAROV, S.G.;
AMBARTSUMYAN, V.A.; BATYROV, Sh.B.; EYKHTEL'D, I.G. [Eichfeld, J.]

Comments by presidents. Nauka i zhizn' 28 no.10:2-17 0 '61.

(MIRA 15:1)

1. Prezident Akademii nauk SSSR (for Keldysh).
2. Prezident Akademii nauk Ukrainskoy SSR (for Palladin).
3. Prezident Akademii nauk Belorusskoy SSR (for Kuprevich).
4. Prezident Akademii nauk Uzbekskoy SSR (for Abdullayev).
5. Prezident Akademii nauk Kazakhskoy SSR (for Satpayev).
6. Prezident Akademii nauk Gruzinskoy SSR (for Muskhelishvili).
7. Prezident Akademii nauk Azerbaydzhanskoy SSR (for Mamedaliyev).
8. Prezident Akademii nauk Litovskoy SSR (for Matulis).
9. Prezident Akademii nauk Moldavskoy SSR (for Grosul).
10. Prezident Akademii nauk Latviyskoy SSR (for Plaude).
11. Prezident Akademii nauk Kirgizskoy SSR (for Karakayev).
12. Prezident Akademii nauk Tadzhikskoy SSR (for Umarov).
13. Prezident Akademii nauk Armyanskoy SSR (for Ambartsumyan).
14. Prezident Akademii nauk Turkmenskoy SSR (for Batyrov).
15. Prezident Akademii nauk Estonskoy SSR (for Eykhfel'd).

(Russia--Economic conditions) (Research)

PLAUDE, K.K.

Important tasks confronting scientists in Soviet Latvia. Vest.
AN SSSR 33 no.9:38-41 S '63. (MIRA 16:9)

1. Prezident AN Latviyskoy SSR, chlen-korrespondent AN SSSR.
(Latvia--Research)

...PLAUDE, K.K., akademik

Our problems. Izv.AN Latv.SSR no.12:3 '63.

(MIRA 17:3)

1. Prezident AN Latviyskoy SSR.

PIAUDE, K.

Problems of the Academy of Sciences of the Latvian S.S.R. and
the 22d Congress of the Communist Party of the Soviet Union.
Vestis Latv ak no.1:3-12 '62.

1. Prezident AN Latviyskoy SSR

PLAUDE, K.

Further enhancement of the role of science in the construction of
communism. Vestis Latv ak no.10:9-12 '61.

1. Prezident AN Latviyskoy SSR.

(Latvia--Research)

PLAUDE, K.

New problems of the Academy of Sciences of the Latvian S.S.R.
Vestis Latv ak no.7:125-126 '61.

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

Fundamental results of scientific ...

S/197/61/000/002/001/005
B117/B212

(Valmiera Glass Fiber Combine), Apskiy zavod izvestkovo-peschyanykh blokov (Apskiy Plant for Lime-loam Blocks), Krasnodarskiy zavod (Krasnodar Plant), Kanskiy zavod (Kani Plant), and fanernyy zavod "Lignum" (Veneer Plant "Lignum").

ASSOCIATION: Akademiya nauk Latviyskoy SSR (Academy of Sciences
Latviyskaya SSR)

Fundamental results of scientific ...

S/197/61/000/002/001/005
B117/B212

moreover, 370 lectures have been delivered at various conferences and meetings. Over 2200 consultations have been given to various establishments. The Academy convened 65 scientific meetings and conferences which were attended by nearly 12000 persons. 440 scientific coworkers of the Academy took part in 190 scientific meetings, symposia, and conferences. The contact of the Academy of Sciences Latvinskaya SSR with scientific institutes of other countries has been expanded. The Fundamental'naya biblioteka AN Latvinskoy SSR (Fundamental Library AS Latvinskaya SSR) maintains a book exchange with 227 scientific institutes and organizations in 35 countries, including 11 socialist countries, and with 167 scientific institutes in the USSR. The AS Latvinskaya SSR has planned for 1961 an essential expansion of studies on comprehensive problems and a closer coordination of its work in the Republic. Corresponding Member AS USSR Ya. Endzelin, Ya. Raynis, and N. S. Khrushchev have been mentioned. The following plants have been mentioned in connection with the work of the named institutes: Plyavin'skaya GES, Plant "Blazma," Liyepayskiy probочно-linoleumnyy zavod (Liyepaya Cork and Linoleum Plant), Plant "Latvtorf mash," Plant "Etalon," RVZ, Dizel'nyy, REZ, Valmiyerskiy kombinat steklovolokna

Card 7/8

Fundamental results of scientific ...

S/197/61/000/002/001/005
B117/B212

biological research resulted in 35 suggestions which have been submitted to the Ministerstvo sel'skogo khozyaystva (Ministry of Agriculture) and its authorities. In the field of social sciences, the following institutes are mentioned: 1) Institute of Economics (Head: Corresponding Member AS Latviyskaya SSR Ya. Turchins); 2) Institut istorii (Institute of History) (Head: Academician K. Strazdyn'); 3) Institut yazyka i literatury (Institute of Linguistics and Literature) (Head: Candidate of Philological Sciences E. Sokol); 4) Literaturnyy muzey im. Ya. Raynisa (Museum of Literature imeni Ya. Raynis). In 1960, the collective of the Academy of Sciences Latviyskaya SSR has handed more than 50 scientific reports to technical institutes, design offices, planning organizations and authorities, 95 papers have been prepared for experimental tests and practical applications in the national economy, and more than 100 scientific manuscripts have been prepared for publication. Last year the Izdatel'stvo Akademii nauk (Publishing House of the Academy of Sciences) has published more than 106 editions of 1545 printed sheets; however, the target of 1700 printed sheets has not been reached. Coworkers of the Academy have written over 1000 scientific articles in 1960, and given over 1300 classes in industrial plants in kolxhoz and sovkhoz;

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B117/B212

Fundamental results of scientific ...

plan of the development of the national economy of the Latvinskaya SSR for 1961. The following institutes have been mentioned in connection with chemistry: 1) Institute of Chemistry (Head: Academician A. Iyevin'sh); 2) Institute of Organic Synthesis (Head: S. Giller); 3) Institute of Forestry Problems and Wood Chemistry (Head: Academician A. Kalnyn'); 4) Institut geologii (Institute of Geology) (Head: Corresponding Member AS Latvinskaya SSR K. Springis). The results of chemical and geological research work include 20 suggestions for experimental and operational tests and practical applications. The following institutes are mentioned with regard to biological and medical sciences: 1) Institute of Biology (Head: Academician A. Ozol). A group of scientists of this institute which is working under the guidance of Corresponding Member AS USSR Ya. Peyve, has been suggested for the Lenin Prize of 1961 because of its great success in the application of microelements in agriculture. 2) Institut eksperimental'noy i klinicheskoy meditsiny (Institute of Experimental and Clinical Medicine) (Head: Academician P. Gerke); 3) Institut mikrobiologii (Institute of Microbiology) (Head: Academician A. Kirkhenshteyn, Hero of Socialist Labor); 4) Institute of Forestry Problems and Wood Chemistry. The practical results of comprehensive

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B117/B212

Fundamental results of scientific ...

started. This year the completion of the building for the Institute of Organic Synthesis is planned. Furthermore, the lecturer reported on the work of each Institute of the Academy of Sciences. In the field of physics and engineering, the following institutes have been mentioned:

1) Institute of Physics (Head: Corresponding Member I. Kirko); the Institute of Physics has been rewarded with the VDNKh Prize for development and introduction of radioactive relay devices; 2) Laboratoriya astrofiziki (Astrophysics Laboratory) (Head: Candidate of Physical and Mathematical Sciences Ya. Ikauniyek); 3) Institute of Power and Electrical Engineering (Head: The author). For work in the field of automation of local heating systems, the author and V. Grislis have been rewarded last year with the State Republic Prize of the Latviyskaya SSR; 4) Institute of Electronics and Computing Engineering (Head: Corresponding Member AS Latviyskaya SSR E. Yakubaytis); 5) Institute of Automation and Mechanics (Head: Candidate of Technical Sciences S. Aynbinder); 6) Institute of Construction and Architecture (Head: Academician A. Malmeyster). Summing up: It is pointed out that in the field of Physics and Engineering, about 40 topics, which have been studied in the Institutes of the Otdeleniye (Department), have been incorporated in the

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Fundamental results of scientific ...

S/197/61/005/002/001/003
B117/B212

Latviyskaya SSR), a new Institut elektroniki i vychislitel'noy tekhniki (Institute of Electronics and Computing Engineering) has been founded. The Institut mashinovedeniya (Institute of Science of Machines) has been changed into the Institut avtomatiki i mekhaniki (Institute of Automation and Mechanics). "Thematic groups" for semiconductors and magneto-hydrodynamics, and groups to study and develop induction pumps have been established in the Institut fiziki (Institute of Physics). The Sector of Hydrobiology of the Institut biologii (Institute of Biology) has been enlarged. The sektor ekonomicheskoy geografii Instituta ekonomiki (Sector of Economic Geography of the Institute of Economics) has been transferred to the Latviyskiy gosudarstvennyy universitet im. P. Stuchki (Latviyskiy State University imeni P. Stuchki). The staff of the Academy has been increased by 153 persons. 2 Academicians and 4 Corresponding Members have been elected. The number of Doctors of Sciences has been increased by 3, and that of the Candidates of Sciences by 11. The construction of a building for the Institut stroitel'stva i arkhitektury (Institute of Construction and Architecture) has been completed. The construction of laboratories for the Institute of Power Engineering and the Institut khimii drevesiny (Institute of Wood Chemistry) has been

Card 3/8

Fundamental results of scientific...

S/197/61/000/002/011/000
B117/B212

of the Latviyskaya SSR with those of the Pribaltiyskaya GRES (Baltic GRES); The resolutions of the July Meeting of the TsK KPSS in 1960 brought about a basic change in the work of many institutes of the AS Latviyskaya SSR last year. In order to fulfill the plan and the tasks which had been established by a general meeting on February 11, 1960, extensive scientific and administrative work has been done in the Academy. The AS Latviyskaya SSR was one of the first in the USSR to start establishing "problem laboratories" in large factories. Such a laboratory of the Institut avtomatiki i mekhaniki (Institute of Automation and Mechanics) has been founded in the plant REZ. A similar laboratory has been set up by the Institut organicheskogo sinteza (Institute of Organic Synthesis) in the Rizhskiy lakokrasochnyy zavod (Riga Varnish and Paint Factory). The Institut energetiki (Institute of Power Engineering) has set up such a laboratory in the Rizhskiy dizelestroytel'nyy zavod (Riga Diesel Plant). The Institut khimii (Institute of Chemistry), Institut lesokhozyaystvennykh problem i khimii drevesiny Akademii (Institute of Forestry Problems and Wood Chemistry of the Academy) collaborate with the TsKB Laboratories of the "Sloka" Combine. According to the resolution of the TsK KP of Latviya and the Sovet Ministrov Latviyskoy SSR (Council of Ministers of the

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S/197/61/000/002/001/003
B117/B212

AUTHOR: Plaude, K., President of the Academy of Sciences Latvinskaya SSR, Head of the Institute of Power and Electrical Engineering

TITLE: Fundamental results of scientific research and application of completed scientific work of the Academy of Sciences Latvinskaya SSR in 1960

PERIODICAL: Izvestiya Akademii nauk Latvinskoy SSR, no. 2, 1961, 3-15

TEXT: The present paper is a condensed shorthand report of the lecture presented at the annual meeting of the Akademiya nauk Latvinskoy SSR (Academy of Sciences Latvinskaya SSR) on February 23, 1961. This lecture sums up all the work done by the AS Latvinskaya SSR during 1960. The speaker started with a short survey of the achievements in the fields of production, science, and engineering. He mentioned that the workers of the Latvinskaya SSR have fulfilled their plan of industrial production by 108% ahead of time, according to the resolutions of the XXI Congress of the CPSU. A power line has been built, which connects the supply lines

Card 1/8

PLAUDE, K.; MAZURS, J.; PUTNINS, K.; ZANDERS, J., red.; FREIMANIS, V.,
tekhn. red.

[Development of Latvian power engineering within the electric
power system of the U.S.S.R.] Latvijas energetikas attistiba
PSHS energosistema. Riga, Latvijas Valsts izdevnieciba, 1961.
98 p. (MIRA 15:3)

(Interconnected electric systems)
(Latvia--Power engineering)

PLAUDE, Karl Karlovich; GRISLIS, Viktor Yanovich; TEYTEL'BAUM, A.,
red.; LEBERGA, A., tekhn. red.

[Automatic control of the customer inlet systems in buildings
with heating supplied from central stations] Avtomatizatsiia
abonentskikh vvodov teplofitsirovannykh zdanii. Riga, Izd-vo
Akad. nauk Latviiskoi SSR, 1961. 29 p. (MIRA 15:3)
(Heating from central stations) (Automatic control)

PLAUDE, K.K. (Riga); GRISLIS, V.Ya. (Riga)

Room thermoregulators for central heating. Vod. i san.tekh.
no.3:25-27 Mr '59. (MIRA 12:2)

1. Institut energetiki i elektrotehniki AN Latvyskoy SSR.
(Hot-water heating---Regulators)

Plavde K.K.

Abakumov, M.M. 882. Energeticheskii Institut im. G.M. Krzhizhanskiy
 Problemy energetiki: sbornik nauchnykh i inzhenernykh rabot
 (Problems of Power Engineering: Collection of Articles Dedicated to Academician G.M. Krzhizhanskiy) Moscow, 1959. 951 p. Errata slip inserted.
 2,500 copies printed.

Bl. of Publishing House: B.D. Artrushin, P.V. Dubrov, P.L. Zubov, and
 S.M. Zolotarev; Tech. Ed.: S.A. Prudnikov; Editorial Board: A.V. Vinberg,
 V.I. Gerasimov, V.I. Gerasimov, V.I. Gerasimov, V.I. Gerasimov,
 Academy of Sciences USSR, M.V. Kuznetsov, M.S. Pevzner, M.A. Strizhich,
 K.F. Gusev, M.S. Bogdanov, Candidate of Technical Sciences, B.K. Kozlov,
 Candidate of Technical Sciences, M.M. Lebedev, Candidate of Technical Sciences,
 and I.E. Smolov.

PURPOSE: This collection of articles is intended as a tribute to the memory
 of Academician G.M. Krzhizhanskiy.

COVERAGE: The collection contains sixty articles by former students and
 coworkers of the deceased Academician. The articles deal with problems
 of a wide range of subjects in the field of power engineering: problems
 of the regional development of electrical and thermal power engineering,
 power engineering technology, and the physics of combustion. No personalities
 are mentioned. References are given after most articles.

Chubin, S.G. Power Engineering and the Science of Power Engineering in Kazakhstan	22
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Lyschinski, G.B. Basic Principles of Joint (Parallel) Operation of District Heat-and-Power Stations in the Production of Thermal Energy	150

PLAUDE, Karl Karlovich; GRISLIS, Viktor Yanovich; RAMAN, M.L., kand.
tekh. nauk, retsenzent; VENGRANOVICH, A., red.; BOKMAN, R.,
tekh. red.

[Automatic control of the regulators of central hot-water heating systems; experience of the Laboratory of Thermal Systems]
Avtomaticheskoe regulirovanie sistem tsentral'nogo vodianogo otopeniia; opyt rahoty Laboratorii teplovykh sistem. Riga, Izd-vo Akad.nauk Latviiskoi SSR, 1959. 89 p. (MIRA 14:12)
(Hot-water heating--Regulators)

PAEGLE, K.K. (Riga); PLAUDE, K.K. (Riga)

Intensification of heat exchange of radiators. Vol. 1 san. tekhn.
no.9:28-29 S '58. (MIRA 11:10)
(Radiators)

PLAUDE, K.K.

Heat emissivity of radiators with high temperature water supply.
Vod. i san. tekhn. no.4:31-34 Ap '58. (MIRA 11:4)
(Hot water heating) (Radiators)

Science for Production (Cont.)

SOV/1570

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AVAILABLE: Library of Congress

JG/sfm
6-25-59

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Science for Production (Cont.)

SOV/1570

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Model testing the all-metal passenger car body of the ER-5 electric train	53

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Science for Production (Cont.)

SOV/1570

COVERAGE: This collection of articles, the third of a series, contains studies on the use of radioactive isotopes in production in machine and instrument manufacture, in the technology of wood processing, the chemical industry, and in building materials. A new chapter was added on industrialeconomics. Bibliographic references are given following each chapter. No personalities are mentioned. There are 23 references, 22 of which are Soviet and 1 Latvian.

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PLAUDE, K.K.

21(4); 25(2)

PHASE I BOOK EXPLOITATION

SOV/1570

Akademiya nauk Latviyskoy SSR, Riga

Nauka - proizvodstvu; kratkiye annotatsii rabot, vpolnennykh dlya promyshlennosti i stroitel'stva, Vyp. 3 (Science for Production; Short Annotation of Works Accomplished for Industry and Building, Nr 3) Riga, Izd-vo AN Latviyskoy SSR, 1958. 89 p. 1,000 copies printed.

Editorial Board: K.K. Plaude (Resp. Ed.) Academician, Latvian SSR Academy of Sciences; P.N. Odintsov, Corresponding Member, Latvian SSR Academy of Sciences; A.K. Malmeyster, Corresponding Member, Latvian SSR Academy of Construction and Architecture; S.B. Aynbinder, Candidate of Technical Sciences; M.P. Zakis, Candidate of Economic Science; V.Ya. Veldre, Candidate of Physical and Mathematical Sciences; Ed.: A.Vengranovich; Tech. Ed.: R. Inkis.

PURPOSE: This book popularizes the results of scientific studies of the institutes of the Academy of Sciences of the Latvian SSR and describes their effects on the industry and building construction.

Card 1/ 5

AUTHOR: PLAUDE, K.K. PA - 2520
TITLE: The Computation Temperature of Water in Radiators of Central Heating Plants. (Rastschotnaja temperatura wody w radjatorach zentralnogo otoplenja, Russian)
PERIODICAL: Latvijas PSR Zinatnu Akad. Vestis, 1957, Vol 1, Nr 1 (114), pp 105-110 (U.S.S.R.)
Received: 5 / 1957
Reviewed: 5 / 1957

ABSTRACT: Research work showed that the average physical parameters of water in radiators are determined in the most accurate manner by the actually existing average temperature, which should also serve as a basis of computations. New experimental values and formulae are mentioned for the purpose of computing this decisive temperature, and this is done in dependence on temperature conditions of the heat carrier in the case of different types of radiator feeds with hot water.

ASSOCIATION: Members of the Academy of Science of the Latvian S.S.R.
PRESENTED BY:
SUBMITTED:
AVAILABLE: Library of Congress

Card 1/1

112-57-7-14933

- Automatic Direct-Acting Thermocontroller for House-Heating Radiators
hydraulic conditions of 2-pipe heating systems. The thermocontroller with an
· AV-4 valve is intended for single-pipe systems. There are 6 illustrations.
Bibliography: 2 items.

I. Ye. K.

Card 2/2

112-57-7-14933

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 7, p 160 (USSR)

AUTHOR: Plaude, K. K., and Grislis, V. Ya.

TITLE: Automatic Direct-Acting Thermocontroller for House-Heating Radiators
(Avtomaticheskiy termoregulyator pryamogo deystviya dlya radiatorov
otopleniya)

PERIODICAL: Latv. PSR zinatnu Akad. Vestis, Izv. AN latv. SSR, 1956, Nr 8,
pp 115-120

ABSTRACT: A description and technical data are presented of a new type (ATR-2) of automatic direct-acting thermocontroller for central-heating radiators, which is an improvement over the ATR-1 construction (K. K. Plaude and V. Ya. Grislis, Bulletin of the AS Latvian SSR, 1955, Nr 7). The new type of automatic regulator is a 2-position, direct-acting thermocontroller that secures room temperature control within $\pm 0.3^{\circ}\text{C}$; it has two actuating units, types AV-3 and AV-4. In its performance, the ATR-2 thermocontroller with an AV-3 differential valve has a higher resistance characteristic and is more suitable to the

Card 1/2

PLAUDE , K.

Effective manual regulation of central water-heating radiators.

p. 75 (Voprosy Energetiki) Vol. 4, 1956, Riga, Latvia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

PLAVNE, K.

Characteristic of the warming up of the central water-heating radiators by increasing the temperature of the heating medium.

p. 5 (Voprosy Energetike) Vol. 4, 1956. Riga, Latvia

SO: Monthly Index of East European Accession (MIAE) IC, - Vol. 7, No. 1, Jan. 1956

PLADDE, K. K.

621.311.1(474.3)

4884. Direction of development of the electrification of rural areas of the Latvian S.S.R. A. A. Tinkulis, Yu. Ya. JAKOV AND K. K. PLADDE. *Voprosy energetiki*, 7: 5-15 (1952).

Data and characteristics are given of local power

sources such as river water power and peat. A general outline is made of an electrification program for the 1950 level (90 kWh p.a. per capita, 2.5 kW installed motive power per electrified farm) in 4 stages up to a level of 1130 kWh per capita. Regional 21 kV systems are recommended with mainly hydro power generation, to be connected to a State 110 kV system with few large thermal power stations.

F. DUREMANN

1. PLAUDE, K.
2. USSR (600)
4. Heating from Central Stations
7. Specific consumption of heat for supply of hot water in heating dwellings from a central system. Latv. PSR Zin. Akad. Vestis no.12 1951.

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

PLAUBE, K.K.; GRISLIS, V.Ya.

Application of electric discharge for recording of observations.
Latv. PSR Zināt. Akad. Vēstis. '51, No.11, 1745-8. (MLRA 6:1)
(AEA 56, no.666:2504 '53)

1. PLAUDE, K.
2. USSR (600)
4. Heat Engineering
7. Scheme for multi-stage, central-station heating system. Latv. PSR. Zin. Akad. Vestis no. 1^o 1950.

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

PLAUDE, K.

Principal results of research conducted by the Academy of Sciences of the Latvian S.S.R. in 1960 and their application. Vestis Latv ak no.2:3-15 '61.

1. Prezident AN Latviyskoy SSR.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

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621.311.1:6X(474.3)
2467. Utilization of local sources of power for
electrification of agriculture in the Latvian Soviet
Republic. K. PLAUDS, A. TSEKULINYA, AND YU.
MAZUR. *Latv. PSR. Zin. Akad. Vest.*, No. 7, 97-111
(1950) *In Russian.*
Plans for development of local power networks
connected to future hydro-electric and also peat-
burning power stations are outlined together with the
possibilities and advantages of electrification of
agriculture on a national scale. J. LUKASZEWICZ

AS H. S. L. A. METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PLAUDE, K.

36830. Temperatura vody tsentral'nogo otopeniya. Uchen. zapiski (Latv. gos. un-t), Mekhan. Fak., t. I, 1949, c 39-44

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

PLAUDE, K. K. In Latvian

PLAUDE, K. K. -- "Heat Carriers and Their Parameters in a System of Distant Heat Supply."
Latvian State U, 1947. In Latvian (Dissertation for the Degree of Candidate of
Technical Sciences)

SO: Izvestiya Ak. Nauk Latvyskov, SSK. No. 9, Sept., 1955

PLAUDE, K.

Principal results of the research of the Academy of Sciences of the Latvian S.S.R. in 1961 and their application. Vestis Latv ak no.3:3-12 '62.

1. Prezident AN Latviyskoy SSR.

PLAUDE, K.

The Academy of Sciences to the 20th anniversary of Soviet Latvia.
In Russian. Vestis Latv ak no.7:9-24 '60. (EEAI 10:7)
(Latvia--History)

PLAUDE, K.

Basic results of the scientific activity of the Academy of
Sciences of the Latvian SSR for 1959. In Russian. Vestis Latv
ak no.3:11-20 '60. (EEAI 10:7)
(Academy of Sciences of the Latvian SSR)

L 12781-63

ACCESSION NR: AP3001680

and other plant materials, the application of chemistry to agriculture, the chemistry of natural and biologically important compounds, and, in addition, assignments in the fields of biology and social sciences. The abbreviated report was presented to the general session of the Academy of Sciences on February 28, 1963. 0

ASSOCIATION: Akademiya nauk latviyskoy SSR (Academy of Sciences, Latvian SSR)

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OTHER: 000

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ACCESSION NR: AP3001680

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and chemistry, while the institutes of organic synthesis, wood chemistry, electrification, electronics, engineering, biology, and social sciences are devoting most of their efforts to problems of practical importance. The report brings out some shortcomings (such as duplication of work) and states that "one can no longer tolerate a situation where some scientific workers are for years failing to show any essential scientific production." Much emphasis is placed on closer cooperation between various institutions and organizations, which include besides Latvia the Soviet Union and foreign countries. Chapter 4 of the president's report is devoted to a survey of the progress made in "implanting" the valuable findings of the scientific institutions into practice. Thus, the process of producing maleic anhydride from furfural by air oxidation is already being tested in a specially built pilot plant in Riga. The list of other "implantations" is quite impressive, and it is of interest that it is proposed to expand in the various institutions the scope of actual construction work and of technical-economic investigations, intended to improve the training of technical personnel and to promote the "implantation" of scientific results into practice. As to the agenda for the year 1963, there are listed the establishment of an institute of physics, a radiochemical laboratory, a radiobiological laboratory and a biochemical institute. Besides, as stated in Chapter 5, there are assignments on polymeric synthetic materials, generation of power and electrification, complex utilization of forestry products

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L 12781-63 BDS JT

ACCESSION NR: AP3001680

S/0197/63/000/003/0003/0014 50

AUTHOR: Plaude, K. (President of the Academy of Sciences, Latvian SSR) 48

TITLE: Latvian Academy of Science, 1962 Latvian Scientific Activity

SOURCE: AN LatSSR. Izv., no. 3, 1963, 3-14

TOPIC TAGS: general plan, personnel, facility, resource, achievement, shortcoming, future problem

ABSTRACT: The report stresses the point that the 1962 program of Latvian Academy of Sciences was a fulfillment of the general plan outlined by the Plenary Session of the Central Committee of the communist party of the SSSR, which recommended the concentration of scientific efforts on major problems of technical and agricultural importance and the elimination of scattered efforts. The establishment of special institutes was stressed, as well as the broadening of the cadres of junior scientific and technical workers or "aspirants" by admitting experienced qualified field personnel. Higher standards were required for Academy personnel. In 1962 Latvia had a total of 4,000 scientific workers, 1,000 with scientific degrees. The president's report lists 206 topics studied by Academy of workers, 55 of which were completed. There is a wide fundamental scope of topics in the fields of physics

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PLAUDE, K.

Principle results of the research of the Academy of Sciences of the
Latvian S.S.R. in 1962. Izv.AN Latv.SSR no.3:3-14 '63.

(MIRA 16:5)

1. Prezident An Latvvisyskoy SSR.
(Academy of Sciences of the Latvian S.S.R.)

PLAUDE, K.

Measures for improving the work of the Academy of Sciences of the
Latvian S.S.R. Izv. AN Latv. SSR no. 7:3-12 '63. (MIRA 1974)

1. Prezident Akademii nauk Latvyskoy SSR.

ELIAS, I.M.; PORSCHE, Th.; BORBIL, L.; PLAUCHITTU, I.; BOGDAN, I.; ILIE, T.;
URSU, I.

Toxoplasmosis as an aetiological factor in the determination of
neuropsychic affections in children. Rumanian M Rev. no.3:41-44
Jl-S '60.

(INFANT, NEWBORN) (PREGNANCY compl)
(TOXOPLASMOSIS in pregn) (BRAIN diseases)

KONANITSKIY, V.; PLATONOVA, L.

Determining of the fractional composition of tetraacetylar.
Khim. volok. no.6:38-41 '65. (USSR 1965)

1. Narodnoye predpriyatiye KhEMKO, zavod Omeron, Chekioslovatskaya Sotsialisticheskaya Respublika.

BOIRIE, Christiane; PLATZER, M.R.

Determination of silicon in uranium. Acta chimica Hung 33
no.3:267-274 '62.

1. Commissariat a l'Energie Atomique, Centre d'Etudes Nucleaires
de Saclay, Gif-sur-Yvette (Seine-et-Oise), Boite postale No.2,
France.

PLATUNOV, B.A.
USSR.

Use of tetramethylthionias chloride (methylene blue) in gravimetric determination of zinc. B. A. Platunov and E. P. Mikhailovskaya. *Uchenye Zapiski Leningrad. Gosudarst. Univ. No. 169, Ser. Khim. Nauk No. 13, 186-203 (1953)*; *Referat. Zhur., Khim.* 1954, No. 32805.—Zn was quantitatively pptd. with methylene blue in the presence of excess SCN^- , apparently as $[C_{16}H_{18}N_3S_3]_2Zn(SCN)_4$. To 10 ml. of soln. contg. 11 mg. of Zn add 10 ml. concd. HCl and 9.00 g. CH_3COONH_4 , heat to boiling, add 18 ml. of 1% aq. methylene blue soln., bring to boil, and ppt. by adding 5 ml. 10% NH_4SCN soln., keeping the entire vol. 100 ml. Filter the hot soln., wash the ppt. with hot H_2O to which 2 ml. HCl is added, ignite and weigh as ZnO . Ca and Al do not interfere. In connection with it methyl red or methyl orange can be used. Fe^{+++} interferes with the detn. of Zn.

M. Hoesch

[Handwritten initials]

PLATUZIC, DRAGO

YUGOSLAVIA/General Division - Conservation of Nature.

A-5

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25766

Author : Platuzic, Drago

Inst :

Title : The National Parks of Canada

Orig Pub : Priroda (yugosl.), 1956, 43, No 2, 64-66

Abst : Canada has national and regional parks, the latter occurring in every province. One of the largest (900,000 hectares) and oldest is the Laurentian National Park (40 kilometers north of Quebec). This park includes large forest areas and large lakes; it harbors many animals, which have been protected within its boundaries since the beginning of the XXth century. Algonquin National Park (490,000 hectares) is also one of the oldest in Canada; it is visited by over 170,000 tourists annually. Prince Albert National Park (412,500 hectares) protects beavers. A map is included, showing the location of several national parks.

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TKACHENKO, A.F.; PLATUSHCHIKHIN, K.Ye.

Some oxyhemographic indices in atherosclerotic patients and
their changes under the effect of compound balneologic
treatment. Vop.kur., fizioter. i lech. fiz. kul't 30
no.5:415-420 S-0 '65. (MIRA 19:10)

1. Terapevticheskoye otdeleniye (zav. - prof. N.I.Sperand'ko)
TSentral'nogo instituta kurortologii i fizioterapii (dir.
G.N.Pospelova), Moskva.

24097

S/186/60/002/006/023/026

Determination of individual yields of certain

A051/A129

individual yields: Ag¹¹² (5.1 ± 0.6) %, Cs¹³⁶ (4.0 ± 0.5) %, Nb⁹⁷ (6.9 ± 1.5) %, Nb⁹⁶ 1.0 %.

The obtained data within the given margins of error fall on the Wahl curve (Ref. 1: A. C. Wahl, Phys. Rev., 99, 3, 730, 1955). The most probable charge for the given mass Z was determined according to Pappas method (Ref. 4: A. C. Pappas, International Conference on the Peaceful Uses of Atomic Energy, Geneva, 7, 19, U. N., N. Y., 1956). For Nb⁹⁷ Z_p could not be determined according to the above method. Thus, on the graph in addition to experimental errors of the individual yield of Nb⁹⁷ the error of Z_p determination associated with the Pappas method is also added. Obtained data confirm Wahl's conclusions with respect to position and shape of the distribution curve of the charge in the separation of U²³⁵ by 14 Mev energy neutrons. Using this curve one can introduce corrections for incomplete yields of the chain, when studying the separation of the fragments through the masses. There is 1 figure and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc. The references to the English language publications read as follows: A. C. Wahl, Phys. Rev., 99, 3, 730, 1955, A. C. Pappas, International Conference on the Peaceful Uses of Atomic Energy, Geneva 7, 19, U. N., N. Y., 1956.

SUBMITTED: February 24, 1960.

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24097

S/186/60/002/005/023/026
K051/A129

Determination of individual yields of certain ...

5, 2, 130, 1958). The determination of the individual yield of Cs^{136} was carried out with respect to Mn^{99} produced from the same uranium sample. For Ag^{112} : the irradiation of uranium lasted 1 hour, it was then diluted in HNO_3 and after adding a carrier (about 4 mg) AgCl precipitated out. The final form of Ag^{112} was AgCl . In order to determine its individual yield, a curve was plotted of the decay of the sample with a thickness of less than 0.5 mg/cm^2 on a proportional $\beta\text{-T}$ -counter, over a period of several days. The curve was then graphically divided into three components, corresponding to the three isotopes of silver, Ag^{111} , Ag^{112} , Ag^{113} . If the number of active atoms proportional to the general yield of the chain $A = 112$ and to the Ag^{112} yield is known and if the time of irradiation and time of Ag^{112} accumulation from Pd^{112} are considered, then the individual yield of Ag^{112} can be calculated. For Nb^{97} , uranium was irradiated for 10 min, then diluted in HNO_3 containing the Zr and Nb carriers. Niobium was finally obtained after purification in the form of Nb_2O_5 and was calcinated at $1,000^\circ\text{C}$. The individual yield of niobium was determined by comparing the activities of two niobium samples equal in shape and thickness measured under the same conditions. The Nb^{96} yield was obtained from the residual activity of the niobium samples (after the complete decay of Nb^{97}). The following values were obtained for the

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AUTHORS: Krivyuk, I. T., Plavukova, N. B., Protopopov, A. N.
 TITLE: Determination of individual yields of certain separated fragments of U^{235} using 14-MeV -energy neutrons
 PERIODICAL: Radiatsiya, vol. 6, 1970, 746 - 748

TEXT: The authors have determined some individual yields of 3 isotopes (Ag^{108} , Cs^{136} and Nb^{97}) and the upper limit was evaluated for the individual Ne^9 yields. All the individual yields were determined by the radiochemical method of fragment yield from irradiated uranium using the corresponding carriers. Uranium was irradiated in the form of U_3O_8 using quantities of 2 - 4 g. The yields were determined in the following order for Cs^{136} : U_3O_8 was irradiated for 6 - 10 hours and converted to a nitrate, a carrier was added (about 50 mg) and $Cs_2Bi_2I_9$ was precipitated from the nitrate solution. Finally pure Cs was produced in the form of $CsClO_4$. The active thin layer of Cs was used for determining the effectiveness of the counters by the method described by one authors (Ref. 2: A. N. Protopopov, I. T. Krivyuk, L. P. Erdlenova, G. V. Yakovleva, Atomnaya energiya,

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