

REFERENCE



NBS TECHNICAL NOTE **848**

U.S. DEPARTMENT OF COMMERCE / National Bureau of Standards

**A Bibliography of the
Russian Reference Data Holdings
of the Library of the
Office of Standard Reference Data**

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NATIONAL BUREAU OF STANDARDS

The National Bureau of Standards¹ was established by an act of Congress March 3, 1901. The Bureau's overall goal is to strengthen and advance the Nation's science and technology and facilitate their effective application for public benefit. To this end, the Bureau conducts research and provides: (1) a basis for the Nation's physical measurement system, (2) scientific and technological services for industry and government, (3) a technical basis for equity in trade, and (4) technical services to promote public safety. The Bureau consists of the Institute for Basic Standards, the Institute for Materials Research, the Institute for Applied Technology, the Institute for Computer Sciences and Technology, and the Office for Information Programs.

THE INSTITUTE FOR BASIC STANDARDS provides the central basis within the United States of a complete and consistent system of physical measurement; coordinates that system with measurement systems of other nations; and furnishes essential services leading to accurate and uniform physical measurements throughout the Nation's scientific community, industry, and commerce. The Institute consists of a Center for Radiation Research, an Office of Measurement Services and the following divisions:

Applied Mathematics — Electricity — Mechanics — Heat — Optical Physics — Nuclear Sciences² — Applied Radiation² — Quantum Electronics³ — Electromagnetics³ — Time and Frequency³ — Laboratory Astrophysics³ — Cryogenics³.

THE INSTITUTE FOR MATERIALS RESEARCH conducts materials research leading to improved methods of measurement, standards, and data on the properties of well-characterized materials needed by industry, commerce, educational institutions, and Government; provides advisory and research services to other Government agencies; and develops, produces, and distributes standard reference materials. The Institute consists of the Office of Standard Reference Materials and the following divisions:

Analytical Chemistry — Polymers — Metallurgy — Inorganic Materials — Reactor Radiation — Physical Chemistry.

THE INSTITUTE FOR APPLIED TECHNOLOGY provides technical services to promote the use of available technology and to facilitate technological innovation in industry and Government; cooperates with public and private organizations leading to the development of technological standards (including mandatory safety standards), codes and methods of test; and provides technical advice and services to Government agencies upon request. The Institute consists of a Center for Building Technology and the following divisions and offices:

Engineering and Product Standards — Weights and Measures — Invention and Innovation — Product Evaluation Technology — Electronic Technology — Technical Analysis — Measurement Engineering — Structures, Materials, and Life Safety⁴ — Building Environment⁴ — Technical Evaluation and Application⁴ — Fire Technology.

THE INSTITUTE FOR COMPUTER SCIENCES AND TECHNOLOGY conducts research and provides technical services designed to aid Government agencies in improving cost effectiveness in the conduct of their programs through the selection, acquisition, and effective utilization of automatic data processing equipment; and serves as the principal focus within the executive branch for the development of Federal standards for automatic data processing equipment, techniques, and computer languages. The Institute consists of the following divisions:

Computer Services — Systems and Software — Computer Systems Engineering — Information Technology.

THE OFFICE FOR INFORMATION PROGRAMS promotes optimum dissemination and accessibility of scientific information generated within NBS and other agencies of the Federal Government; promotes the development of the National Standard Reference Data System and a system of information analysis centers dealing with the broader aspects of the National Measurement System; provides appropriate services to ensure that the NBS staff has optimum accessibility to the scientific information of the world. The Office consists of the following organizational units:

Office of Standard Reference Data — Office of Information Activities — Office of Technical Publications — Library — Office of International Relations.

¹ Headquarters and Laboratories at Gaithersburg, Maryland, unless otherwise noted; mailing address Washington, D.C. 20234.

² Part of the Center for Radiation Research.

³ Located at Boulder, Colorado 80302.

⁴ Part of the Center for Building Technology.

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1753 Reference Data Holdings of the Library
848 of the Office of Standard Reference Data

Gertrude B. Sherwood and
Howard J. White, Jr.

Office of Standard Reference Data
U.S. National Bureau of Standards
Washington, D.C. 20234

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U.S. DEPARTMENT OF COMMERCE, Frederick B. Dent, Secretary

NATIONAL BUREAU OF STANDARDS, Richard W. Roberts, Director

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WASHINGTON: 1974

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A Bibliography of the Russian Reference Data Holdings of the Library
of the Office of Standard Reference Data

Gertrude B. Sherwood and Howard J. White, Jr.

This text presents a listing of the Russian reference data holdings of the library of the Office of Standard Reference Data of the National Bureau of Standards as of March 1974. In addition to the bibliographic listing, information on the status of translations into English is given where available.

Key words: Bibliography; reference data; Russian literature.

A Bibliography of the Russian Reference Data
Holdings of the Library of the
Office of Standard Reference Data

Gertrude B. Sherwood and Howard J. White, Jr.

The Office of Standard Reference Data of the National Bureau of Standards (NBS), as part of its responsibilities as program manager for the National Standard Reference Data System, maintains a reference data library. This library is limited almost entirely to material containing critically evaluated data in the physical sciences and closely related reference material such as annotated bibliographies. It is physically separate but closely coordinated with the main NBS Library which is, of course, much larger and broader in scope.

In the course of building up a comprehensive collection of materials containing critically evaluated data, the library has come into possession of a substantial collection of books in Russian. This is not surprising since the central reference data system within the USSR is large and vigorous and is supplemented by the activities of some other agencies. Also, the members of the staff of the Office of Standard Reference Data through their international activities have developed contacts with their Russian counterparts which enable them to obtain many of the reference data books which are published in the USSR.

Since it is often difficult to learn about such books and obtain them, these holdings constitute a set of considerable intrinsic interest which would be very difficult to duplicate. As a result, several individuals and organizations have expressed interest in knowing about them.

It is the purpose here to list the Russian holdings of the Office of Standard Reference Data Library as of March 1974. Because of the general importance of reference data books and the lack of proficiency in Russian in the USA, several of these books have been translated into English or are in the process of being translated. If a translation is included in the holdings or if one is known to exist or the book is known to be in the process of translation, appropriate information on the translation is also included.

The following information is given for each book according to the following code:

AU: Author(s)
ED: Editor(s)
ET: English Title (GT: German Title, FT: French Title)
TT: Transliterated Title
ES: English Series note
TS: Transliterated Series note
OP: Original Publisher
TP: Translation Publisher
EC: English Corporate author
TC: Transliterated Corporate author
TR: Translator
TE: Translation Editor
CL: OSRD Classification Number
TN: Translation Note
NT: Notes of special nature

Some comment might be made on the presence of some material about Russian texts in transliterated form. One problem in dealing with texts in foreign languages is the latitude in translation provided by synonyms and words of multiple meaning which, in turn, allows different translators to arrive at different translations for, among other things, the title of a book or a series. A bibliographer, chancing on these different titles, is at a loss to know whether or not they refer to the same text or different texts with slightly different titles. If the title is also presented in its original language, the problem is solved; however, in the case of Russian, this would require printing capabilities in the Cyrillic as well as the Roman alphabet. An acceptable solution to this latter problem is provided by transliteration of the Cyrillic text into a Roman form. Once again there is some latitude in carrying out the transliteration, but enough redundancy is introduced by the added information to practically eliminate the problems introduced by translation.

Translation is an expensive process and facilities for carrying out translation are limited. As a result there is a central clearing house for translation projects which is used by all government agencies and many private organizations to prevent inadvertent duplication. The information on planned translations is obtained from the National Technical Information Service which runs the clearing house. Volumes which are known to be in the process of translation have been identified in the text. It is possible that others, now only available in Russian, will be translated. Interested readers should check with the National Technical Information Service for current information.

Availability of the translations, or occasionally, the original Russian text is shown as available from GPO or NTIS. The address of the former is Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The address for those shown as available from NTIS is National Technical Information Service, Springfield, Virginia 22151.

AU: Abagyan, L.P., F.F. Mikhailus, M.N. Nikolaev,
 V.V. Orlov
 ET: Bulletin of the Information Center on Nuclear
 Data, Supplement: Propagation of Resonant
 Neutrons in Homogenous Media, Theory and
 Special Functions
 TT: Byulleten' Informatsionnogo Tsentra po Yadernym
 Dannym Prilozhenie: Rasprostranenie
 Rezonansnykh Neutronov v Gomogennykh Sredakh,
 Teoriya I Spetsial'naya Funktsii
 OP: Atomizdat, Moscow, 1968, 200 pages
 EC: State Committee on the Development of Atomic
 Energy, USSR
 TC: Gosudarstvennyi Komitet Ispol'zovaniyu Atomnoi
 Energi, SSSR
 CL: #2.25-2.2
 TN: None

AU: Agashkin, O.V., V.I. Artyukhin, G.S. Litvinenko,
 T.T. Omarov, D.V. Sokolov, K.I. Khudneva,
 S.S. Chasnikova
 ET: Atlas of Infrared Spectra of Stereo-Isomers
 Derived from Decahydroquinolines
 TT: Atlas Infrakrasnykh Spektrov Prostranstvennykh
 Isomerov Proizvodnykh Degagidrokhinolina
 OP: Izdatel'stvo "Nauka" Kazakhskoi SSR, Alma-Ata,
 1969, 114 pages
 EC: Academy of Science of the Kazakhskoi SSR
 EC: Institute of Chemical Science
 TC: Akademiya Nauk Kazakhskoi SSR
 TC: Institut Khimicheskikh Nauk
 CL: #3.3
 TN: None

AU: Abas-Zade, A.K., E.E. Shpil'rain (Editors)
 ET: Thermophysical Properties of Liquid
 TT: Teplofizicheski Svoistva Zhidkostei
 OP: Izdatel'stvo "Nauka", Moscow, 1970, 224 pages
 EC: Academy of Science, USSR
 EC: Scientific Council on the Complex Problem "High
 Temperature Thermophysics"
 EC: The Ministry of Power and Electrification, USSR
 EC: I.G. Es'mana Azerbaidzhhan Scientific Research
 Institute of Energy
 TC: Akademiya Nauk SSSR
 TC: Nauchnyi Sovet po Kompleksnoi Probleme
 "Vysokotemperaturnaya Teplofizika"
 TC: Ministerstvo Energetiki i Elektrifikatsii SSSR
 TC: Azerbaidzhanskii Nauchno-Issledovatel'skii
 Institut Energetiki im. Es'mana
 CL: #8.2
 TN: Partially translated by FTD. FTD-MT-24-117-71,
 October 1971, 119 pages. Available from NTIS
 as AD735467.

Translation

AU: Abrikosov, N.Kh., V.F. Barkina, L.V. Poretskaya,
 L.E. Shelimova, E.V. Skudnova
 ET: Semiconducting II-VI, IV-VI, and V-VI Compounds
 TT: Poluprovodnikovye Soedineniya, Ikh Poluchenie i
 Svoistva
 TP: Plenum Press, New York, 1969, viii + 252 pages
 OP: Nauka Press, Moscow, 1967, corrected and updated
 for the translation
 EC: A.A. Baikov Institute of Metallurgy
 EC: Academy of Sciences of the USSR
 TR: Tybulewicz, A.
 CL: #4.1-8.1

AU: Adamchuk, Yu.V., V.N. Andreev, G.Z. Borukhovich,
 A.V. Ignatyuk, I.A. Korzh, V.A. Naumov, A.I.
 Obukhov, Yu.P. Popov, E.I. Shestopanova
 ED: Shestopanova, E.I. (Editor-in-Chief)
 ET: Nuclear-Physical Research in the USSR, Annotated
 Collection Issue 7
 TT: Yaderno-Fizicheskie Issledovaniya v SSSR,
 Sbornik Annotatsii, Vypusk 7
 OP: Atomizdat, Moscow, 1969, 61 pages
 TN: None
 CL: #2.7

AU: Amaturi, A.N.
 ED: Es'kova, N.A.
 ET: Methods and Instruments for the Determination of
 Temperature Coefficients of the Linear
 Expansion of Materials
 TT: Metody i Pribory dlya Opredeleniya
 Temperaturnykh Koefitsientov Lineinogo
 Rasshireniya Materioalov
 OP: Izdatel'stvo Standartov, Moscow, 1972, 140 pages
 CL: #8.2
 TN: None

AU: Amirkhanov, Kh.I., G.V. Stepanov, B.G. Abbekov
 ED: Yukalovich, M.P.
 ET: Isochoric Heat Capacity of Water and Steam
 TT: Izokhormaya Teploemnost' Vody i Vodyanogo Para
 OP: Akademiya Nauka, Dagestan Branch, Makhachkala,
 1969, 216 pages
 CL: #8.1
 TN: In process by AMERIND

AU: Avilova, I.V., L.M. Biberman, V.S. Vorob'ev,
 V.M. Zamalin, G.A. Kobzev, A.N. Lagar'kov,
 A.Kh. Mnatsakanyan, G.E. Norman
 ED: Biberman, L.M.
 ET: Optical Properties of Hot Air
 TT: Opticheskie Svoistva Goryachego Vozdukh
 OP: Izdatel'stvo "Nauka", Moscow, 1970, 320 pages
 EC: Academy of Science, USSR
 EC: High Temperature Institute
 TC: Akademiya Nauk SSSR
 TC: Institut Vysokikh Temperatur
 CL: #3.1-8.1
 TN: None

AU: Batarchukova, N.R., L.A. Irikova
 ET: Wavelengths of Monochromatic Light Sources and
 the Index of Refraction in Standard and Normal
 Air
 TT: Dliny Voln Monokhromaticheskikh Istochnikov
 Sveta i Pokazateli Prelomleniya v Standartnom
 i Normal'nom Vozdukhe
 OP: Izdatel'stvo Komiteta Standartov, Mer i
 Izmeritel'nykh Priborov pri Sovete Ministrov
 SSSR, Moscow, 1968, 194 pages
 EC: All-Union Scientific-Research Institute of
 Metrology of D.I. Mendeleva
 EC: State Office of Standards and Reference Data
 TC: Vsesoyuznyi Nauchno-Issledovatel'skii Institut
 Metrologii im. D.I. Mendeleva
 TC: Gosudarstvennaya Sluzhba Standartnykh i
 Spravochnykh Danniykh
 CL: #8.1

Translation

AU: Berezhnoi, A.S.
 ET: Silicon and Its Binary Systems
 TT: Kremni i Ego Binarnye Sistemy
 TP: Consultants Bureau, New York, 1960, 275 pages
 OP: Academy of Sciences of the Ukrainian SSR, Kiev,
 1958
 EC: Academy of Sciences of the Ukrainian SSR
 CL: *4.1-3.1-8.1

Translation

AU: Bramson, M.A.
 ET: Infrared Radiation, A Handbook for Applications
 TT: Infrakrasnoe Izluchenie Nagretykh Tel
 Spravochnye Tablitsy po Infrakrasnomu
 Izlucheniyu Nagretykh Tel
 TP: Plenum Press, New York, 1968, 623 pages
 OP: Nauka Press, Moscow, 1964
 EC: Academy of Sciences of the USSR
 TR: Rodman, R.B.
 TE: Wolfe, W.L.
 CL: *3.0

Translation

AU: Britske, E.V., A.F. Kapustinskii, B.K.
 Veselovskii, L.M. Shamovskii, L.G. Chentsova,
 B.I. Anvaer
 ET: Thermal Constants of Inorganic Substances
 TT: Termicheskie Konstanty Neorganicheskikh
 Veshchestv
 OP: Izdatel'stvo Akademii Nauk SSSR, Moscow,
 Leningrad, 1949, 1014 pages
 EC: Academy of Science, USSR
 EC: Institute of Metallurgy of A.A. Baikova
 TC: Akademiya Nauk SSSR
 TC: Institut Metallurgii im. A.A. Baikova
 CL: #8.1, photocopy
 TN: None

Translation

AU: Denisov, E.T.
 ET: Rate Constants for Homologous Liquid Phase
 Reactions
 TT: Konstanty Skorosti Gomoliticheskikh
 Zhidkofaznykh Reaktsii
 OP: Izdatel'stvo "Nauka", Moscow, 1971, 711 pages
 EC: Academy of Science, USSR
 EC: The Order of Lenin Institute of Chemical Physics
 TC: Akademiya Nauk SSSR
 TC: Ordena Lenina Institut Khimicheskoi Fiziki
 CL: #5.1
 TN: Available from Plenum Press

Translation

AU: Esel'son, B.N., Yu.P. Blagoi, V.N. Grigor'ev,
 V.G. Manzhelii, S.A. Mikhailenko, N.P.
 Neklyudov
 ET: Properties of Liquid and Solid Hydrogen
 TT: Svoista Zhidkogo i Tverdogo Vodoroda
 ES: Review Handbook No. 1
 TS: Spravochnye Obzory, No. 1
 OP: Izdatel'stvo Standartov, Moscow, 1969, 136 pages
 EC: Committee of Standards, Measures and Measuring
 Instruments of the Soviet Ministry, USSR
 EC: State Office of Standards and Reference Data
 TC: Komitet Standartov, Mer i Izmeritel'nykh
 Priborov pri Sovete Ministrov SSSR
 TC: Gosudarstvennaya Sluzhba Standartnykh i
 Spravochnykh Danniykh
 CL: #8.1
 TN: Available from NTIS as TT 70-50179

Translation

AU: Esel'son, B.N., Yu. P. Blagoi, V.N. Grigor'ev,
 V.G. Manzhelii, S.A. Mikhailenko, N.P.
 Neklyudov
 ET: Properties of Liquid and Solid Hydrogen
 TT: Svoista Zhidkogo i Tverdogo Vodoroda
 ES: Series of Handbooks No. 1
 TS: Spravochnye Obzory, No. 1
 TP: Israel Program for Scientific Translations,
 Jerusalem, 1971, iii + 123 pages, IPST Cat.
 No. 5914
 OP: Izdatel'stvo Standartov, Moscow, 1969
 EC: Committee of Standards, Measures and Measuring
 Instruments of the USSR Council of Ministers
 EC: Government Standards Service
 TC: Komitet Standartov, Mer i Izmeritel'nykh
 Priborov pri Sovet Ministrov SSSR
 TC: Gosudarstvennaya Sluzhba Standartnykh i
 Spravochnykh Danniykh
 TR: Nisenbaum, Ch.
 TE: Slutskin, D.
 CL: #8.1
 TN: Available from NTIS as TT 70-50179

Translation

AU: Fil'yand, M.A., E.I. Semenova
 ET: Handbook of the Rare Elements,
 Volume I: Trace Elements and Light Elements,
 Volume II: Refractory Elements,
 Volume III: Radioactive Elements and Rare
 Earth
 Elements
 TP: Boston Technical Publishers, Inc., Cambridge,
 Mass., Vol. I: 1968, xvii + 265 pages; Vol.
 II: 1970, xiili + 417 pages; Vol. III: 1970, xv
 + 303 pages
 TR: Alferieff, M.E.
 CL: #4.1-8.1

Translation

AU: Fomenko, V.A.
 ED: Samsonov, G.V.
 ET: Handbook of Thermionic Properties, Electronic
 Work Functions and Richardson Constants of
 Elements and Compounds
 TT: Emissionnye Svoista Khimicheskikh Elementov i
 Ikh Soedinenii
 TP: Plenum Press Data Division, New York, 1966, vii
 + 151 pages
 OP: Naukova Dumka, Kiev, 1964, updated to mid-1965
 for the translation
 CL: #8.1

Translation

AU: Furmana, M.S. (Chairman)
 AU: Krichevskogo, I.R., I.F. Golubeva, A.I.
 Krasil'shchikova, A.M. Alekseeva, V.M.
 Olevskogo, V.V. Kharlamova, V.S. Khailova,
 V.A. Klevke, I.I. Gel'perina, A.Ya. Kreisberga
 ET: The Chemistry and Technology of the Products of
 Organic Synthesis, Physico-Chemical Research,
 Proceedings of GIAP, Issue VIII
 TT: Khimiya i Tekhnologiya Produktov Organicheskogo
 Sinteza, Fiziko-Khimicheskie Issledovaniya,
 Trudy GIAP, Vypusk VIII

- OP: Otdel Nauchno-Tekhnicheskoi Informatsii, Moscow, 1971, 232 pages
 EC: State Scientific-Research and Planning Institute of the Nitrogen Industry and Products of Organic Synthesis (GIAP)
 TC: Gosudarstvennyi Nauchno-Issledovatel'skii i Proektchnyi Institut Azotnoi Promyshlennosti i Produktov Organicheskogo Sintexa (GIAP)
 CL: *8.3
 TN: None
- AU: Galkin, N.P., Yu.N. Tumanov, Yu.P. Butylkin
 ET: Thermodynamic Properties of Inorganic Fluorides, A Handbook
 TT: Termodynamicheskie Svoistva Neorganicheskikh Ftoridov, Spravochnik
 OP: Atomizdat, Moscow, 1972, 144 pages
 CL: *8.1
 TN: None
- Translation
- AU: Gertsriken, S.D., I.Ya. Dekhtyar
 ET: Solid State Diffusion in Metals and Alloys
 TT: Diffuziya v Metallakh i Splavakh v Tverdoi Faze
 TP: United States Atomic Energy Commission, April 1964, vi + 528 pages, AEC-tr-6313
 OP: Gosudarstvennoe Izdatel'stvo Fiziko-Matematicheskoi Literatury, Moscow, 1960, 564 pages
 CL: *4.1
 TN: Available from NTIS as AEC-tr-6313
- ED: Glushko, V.P. (Series Editor)
 AU: Alemasov, V.E., A.F. Dregalin, A.P. Tishin, V.A. Khudyakov
 ED: Glushko, V.P., V.E. Alemasova (Chief Editors, Vol. I), Vanicheva, A.P., S.D. Grishina, V.A. Il'inskogo, A.F. Dregalina, A.P. Tishina, N.V. Illarionova (Editors)
 ET: Thermodynamic and Thermophysical Properties of Combustion Products, A Handbook in Five Parts, Volume I. Methods of Calculation
 TT: Termodynamicheskie i Teplofizicheskie Svoistva Produktov Sgoraniya, Spravochnik v Pyati Tomakh, Tom I. Metody Rescheta
 OP: Akademiya Nauk, Moscow, 1971, 266 pages
 EC: Academy of Science, USSR
 EC: State Institute of Scientific and Technical Information
 TC: Akademiya Nauk SSSR
 TC: Vsesoyuznyi Institut Nauchnoi i Tekhnicheskoi Informatsii
 CL: *8.3
 TN: Available from NTIS as TT 74-50019
- ED: Glushko, V.P. (Editor-in-Chief)
 AU: Medvedev, V.A., et al.
 ET: Thermal Constants of Substances, A Handbook in Ten Parts
 Vol. I: (O, H, D, T, F, Cl, Br, I, At, 3He, He, Ne, Ar, Kr, Xe, Rn)
 Vol. II: (S, Se, Te, Po)
 Vol. IV: (C, Si, Ge, Sn, Pb)
 Part One. Tables of Accepted Values
 Part Two. Tables of Literature Citations, Appendices, List of Literature, Index.
 Vol. V: (B, Al, Ga, In, Ti)
- TT: Termicheskie Konstanty Veshchestv, Sparavochnik v Desyati Vypuskakh
 Vypusk I: (O, H, D, T, F, Cl, Br, I, At, 3He, He, Ne, Ar, Kr, Xe, Rn)
 Vypusk II: (S, Se, Te, Po)
 Vypusk IV: (C, Si, Ge, Sn, Pb)
 Chast' Pervaya. Tablitsy Prinyatykh Znachenii
 Chast' Vtoraya. Tablitsy Literaturnykh Ssylok, Prilozheniya, Spisok Literatury, Ukarateli'
 Vypusk V: (B, Al, Ga, In, Ti)
- OP: Akademiya Nauk, Moscow, Vol. I: 1965, 145 pages; Vol. II: 1966, 95 pages; Vol. IV: Pt. 1. 1970, 509 pages; Vol. IV: Pt. 2. 1971, 432 pages; Vol. V: 1971, 530 pages
- EC: Academy of Science, USSR
 EC: All-Union Institute of Scientific and Technical Information
 EC: Institute of High Temperature
 TC: Akademiya Nauk SSSR
 TC: Vsesoyuznyi Institut Nauchnoi i Tekhnicheskoi Informatsii
 TC: Institut Vysokikh Temperatur
 CL: *8.2
 TN: Vol. I, non-tabular material translated by Iva Halow, Chemical Thermodynamics Data Center, NBS; Vols. II-V, None
- AU: Golubev, I.F., N.E. Gnezdilov
 ET: Viscosity of Gaseous Mixtures
 TT: Vyazkost' Gazovykh Smesei
 ES: Monograph No. 7
 TS: Monografii No. 7
 OP: Izdatel'stvo Gosudarstvennogo Komiteta Standartov Sovete Ministrov SSSR, Moscow, 1971, 327 pages
- EC: State Committee of Standards of the Soviet Ministry of the USSR
 EC: State Office of Standards and Reference Data
 TC: Gosudarstvennyi Komitet Standartov Soveta Ministrov SSSR
 TC: Gosudarstvennaya Sluzhba Standartnykh i Spravochnykh Danniykh
 CL: *8.2
 TN: In process
- Translation
- AU: Golubev, I.F.
 ET: Viscosity of Gases and Gas Mixtures, A Handbook
 TT: Vyazkost' Gazov i Gazovykh Smesei (Spravochnoe Rukovodstvo)
 TP: Israel Program for Scientific Translations, Jerusalem, 1970, vii + 238 pages, IPST Cat. No. 5680
 OP: Gosudarstvennoe Izdatel'stvo Fiziko-Matematicheskoi Literatury, Moscow, 1959
 TR: Kondor, R.
 TE: Slutskin, D.
 CL: *8.2
 TN: Available from NTIS as TT 70-50022
- AU: Gorchakov, G.I., I.I. Lifanov, L.N. Terekhin
 ET: Thermal Expansion Coefficients and Thermal Deformation of Building Materials
 TT: Koeffitsienty Temperaturnogo Rasshireniya i Temperaturnye Deformatsii Stroitel'nykh Materialov
 TS: Monograph No. 2

ES: Monografii No. 2
OP: Izdatel'stvo Komiteta Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov SSSR, Moscow, 1968, 167 pages
EC: Committee of Standards, Measures and Measuring Instruments of the Soviet Ministry, USSR
EC: State Office of Standards and Reference Data
TC: Komitet Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh Spravochnykh Danniykh
CL: *8.1
TN: None

AU: Gurevich, V.M.
ET: Electroconductivity of Ferroelectrics
TT: Elektroprovodnost' Segnetoelektrikov
ES: Monograph No. 1
TS: Monografii No. 1
OP: Izdatel'stvo Komiteta Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov SSSR, Moscow, 1969, 383 pages
EC: Committee of Standards, Measures and Measuring Instruments of the Soviet Ministry, USSR
EC: State Office of Standards and Reference Data
TC: Komitet Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh Spravochnykh Danniykh
CL: *4.1
TN: Available from NTIS as TT 70-50180

Translation
AU: Gurevich, V.M.
ET: Electric Conductivity of Ferroelectrics
TT: Elektroprovodnost' Segnetoelektrikov
ES: Monograph No. 1
TP: Israel Program for Scientific Translations, Jerusalem, 1971, vi + 362 pages, IPST Cat. No. 5915
OP: Izdatel'stvo Komiteta Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov SSSR, Moscow, 1969
EC: Committee of Standards, Measures and Measuring Instruments of the USSR Council of Ministers
EC: Government Standards Service
TC: Komitet Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh Spravochnykh Danniykh
TR: Kondor, R.
TE: Slutzkin, D.
CL: *4.1
TN: Available from NTIS as TT 70-50180

AU: Gurvich, L.V., et al.
ED: Glushko, V.P. (Chief Editor)
ET: Thermodynamic Properties of Chemical Substances, A Handbook in Two Volumes, Volume 1: Calculations of Thermodynamic Properties, Volume 2: Tables of Thermodynamic Properties

TT: Termodinamicheskie Svoistva Individual'nykh Veshchestv, Spravochnik v Dvukh Tomakh, Tom Pervyi: Vychislenie Termodinamicheskikh Svoistv, Tom Vtoroi: Tablitsy Termodinamicheskikh Svoistv
OP: Izdatel'stvo Akademii Nauk SSSR, Moscow, 1962, Vol. 1: 1164 pages; Volume 2: 916 pages
EC: Academy of Science, USSR
EC: Institute of Fossil Fuels
EC: State Committee of the Soviet Ministry USSR on Chemistry
EC: Institute of Applied Chemistry
TC: Akademiya Nauk SSSR
TC: Institut Goryuchikh Iskopаемых
TC: Gosudarstvennyi Komitet Soveta Ministrov SSSR po Khimii
TC: Institut Prikladnoi Khimii
CL: *8.1
TN: None

Translation
AU: Ivan'ko, A.A.
ED: Samsonov, G.V.
ET: Handbook of Hardness Data
TT: Tverdost' Spravochnik
TP: Israel Program for Scientific Translations, Jerusalem, 1971, iii + 66 pages, IPST Cat. No. 5912
OP: Naukova Dumka, Kiev, 1968
EC: Academy of Sciences of the Ukrainian SSR
EC: Institute of Materials Sciences
TC: Akademiya Nauk Ukrainskoi SSR
TC: Institut Problem Materialovedeniya
TR: Nisenbaum, Ch.
TE: Slutzkin, D.
CL: *7.2-4.2
TN: Available from NTIS as TT 70-50177

Translation into Russian
AU: Janz, G.J., F.W. Dampier, G.R. Lakshminarayanan, P.K. Lorenz, R.P.T. Tomkins
ET: Molten Salts: Volume 1, Electrical Conductance, Density, and Viscosity Data
TT: Spravochnik po Rasplavlennym Solyam, Tom 1: Elektroprovodnost', Plotnost' i Vyazkost' Individual'nykh Rasplavlennykh Solei
ES: NSRDS-NBS-15, National Standard Reference Data System, National Bureau of Standards, Washington, D.C.
TP: Izdatel'stvo "Khimiya", Leningradskoe Otdelenie, 1971, 168 pages
OP: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, October 1968, v + 139 pages
TR: Morachevskii, A.G. (Translator and Editor into Russian)
CL: *8.1
TN: This document is a translation and reworking of an English Book into Russian.

Translation into Russian

AU: Janz, G.J., Chr. G.M. Dijkhuis (Section 1)
AU: Janz, G.J., G.R. Lakshminarayanan, R.P.T.
Tomkins, J. Wong (Section 2)
ET: Molten Salts, Volume 2: Section 1:
Electrochemistry of Molten Salts: Gibbs Free
Energies and Excess Free Energies from
Equilibrium-Type Cells; Section 2: Surface
Tension Data
TT: Spravochnik po Rasplavlennym Solyam, Tom 2,
Termodynamika i Poverkhnostnoe Nativazhenie
Rasplavlenykh Solei
ES: NSRDS-NBS-28, National Standard Reference Data
System, National Bureau of Standards,
Washington, D.C.
TP: Izdatel'stvo "Khimiya", Leningradskoe Otdelenie,
Leningrad, 1972, 160 pages
OP: Superintendent of Documents, U.S. Government
Printing Office, Washington, D.C. 20402,
August 1969, v + 111 pages
TR: Morachevskii, A.G. (Translator and Editor into
Russian)
CL: *8.1
TN: This document is a translation and reworking of
the English document into Russian

AU: Kazavchinskii, Ya.Z., et al.
ED: Kirillin, V.A.
ET: Heavy Water, Thermophysical Properties
TT: Tyazhelaya Voda, Teplofizicheskie svoistva
OP: Gosudarstvennoe Energeticheskoe Izdatel'stvo,
Moscow and Leningrad, 1963, 255 pages + 2
charts
CL: *8.1
TN: Available from NTIS as TT 70-50094

Translation

AU: Kazavchinskii, Ya.Z., et al.
ED: Kirillin, V.A.
ET: Heavy Water, Thermophysical Properties
TT: Tyazhelaya Voda, Teplofizicheskie svoistva
TP: Israel Program for Scientific Translations,
Jerusalem, 1971, viii + 263 pages + 2 charts,
IPST Cat. No. 5793
OP: Gosudarstvennoe Energeticheskoe Izdatel'stvo,
Moscow and Leningrad, 1963
CL: *8.1
TN: Available from NTIS as TT 70-50094

AU: Kletskii, A.V.
ET: Thermophysical Properties of Freon-22
TT: Teplofizicheskie svoistva Freona-22
OP: Izdatel'stvo Komiteta Standartov, Mer i
Izmeritel'nykh Priborov pri Sovete Ministrov
SSSR, Moscow, 1970, 79 pages + 2 charts
EC: State Office of Standards and Reference Data
TC: Gosudarstvennaya Sluzhba Standartnykh i
Spravochnykh Danniykh
CL: *8.1
TN: Available from NTIS as TT 70-50178

Translation

AU: Kletskii, A.V.
ET: Thermophysical Properties of Freon-22
TT: Teplofizicheskie svoistva Freona-22
TP: Israel Program for Scientific Translations,
Jerusalem, 1971, iv + 67 pages + 2 charts,
IPST Cat. No. 5913
OP: Izdatel'stvo Komiteta Standartov, Mer i
Izmeritel'nykh Priborov pri Sovete Ministrov
SSSR, Moscow, 1970
EC: Committee of Standards, Measures and Measuring
Instruments of the USSR Council of Ministers
EC: Government Standards Service
TC: Komitet Standartov, Mer i Izmeritel'nykh
Priborov pri Sovete Ministrov SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh i
Spravochnykh Danniykh
TR: Nisenbaum, Ch.
TE: Slutskin, D.
CL: #8.1
TN: Available from NTIS as TT 70-50178

AU: Kondrat'ev, V.N.
ET: Rate Constants of Gas Phase Reactions, A
Handbook
TT: Konstanty Skorosti Gazofaznykh Reaktsii,
Spravochnik
OP: Izdatel'stvo "Nauka", Moscow, 1970, 351 pages
EC: Academy of Science, USSR
EC: Order of Lenin Institute of Chemical Physics
TC: Akademiya Nauk SSSR
TC: Ordena Lenina Institut Khimicheskoi Fiziki
CL: #5.1
TN: Available from NTIS as COM-72-10014

Translation

AU: Kondratiev, V.N.
ET: Rate Constants of Gas Phase Reactions, Reference
Book
TP: Office of Standard Reference Data, National
Bureau of Standards, Washington, D.C. 20234
EC: Academy of Sciences of the USSR
EC: Order of Lenin Institute of Chemical Physics
TR: Holtschlag, L.J.
TE: Frristrom, R.M.
CL: *5.1
TN: Available from NTIS as COM-72-10014

Translation

AU: Krasnov, K.S., V.S. Timoshinin, T.G. Danilova,
S.V. Khandozhko
ET: Handbook of Molecular Constants of Inorganic
Compounds
TT: Molekulyarnye Postoyannye Neorganicheskikh
Soedinenii, Spravochnik
TP: Israel Program for Scientific Translations,
Jerusalem, 1970, v + 275 pages, IPST Cat. No.
2217
OP: Izdatel'stvo "Khimiya", Leningrad, 1968
CL: #4.1-8.1

ED: Kudryavtseva, L.V.
 ET: Significant Results of Scientific Research in
1968
 TT: Vazhneishie Rezul'taty Nauchno-
Issledovatel'skikh Rabot, 1968 goda
 OP: Izdatel'stvo "Nauki", Moscow, 1969, 55 pages
 EC: High Temperature Institute, Academy of Science,
USSR
 TC: Institut Vysokikh Temperatur, Akademii Nauk,
SSSR
 CL: *8.0-0.82
 TN: None

ET: List of Journals, Treatises, and Other
Periodical Publications Used During
Compilation of the Bibliography on
Thermophysical Properties of Liquids and
Gases, Published in the USSR in 1971
 TT: Spikok Zhurnal, Trudov i Drigikh Periodicheskikh
Izdani, Ispol'zovanykh pri Sostavlenii
Bibliografi Rabot po Teplofizicheskim
Svoistvam Zhidkosteii i Gazov
 OP: Opublikovannykh v SSSR v 1971 g, 154 loose leaf
pages

AU: Lebedev, Ya.S., V.V. Voevodskii, N.N.
Tikhomirova
 ET: Atlas of Electron Spin Resonance Spectra, 2.
Theoretically Calculated Multicomponent
Symmetrical Spectra
 TP: Consultants Bureau, New York, 1964, 195 pages
 EC: Academy of Science, USSR
 EC: Institute of Chemical Physics
 TC: Akademiya Nauk, SSSR
 TC: Institut Khimicheskoi Fiziki
 CL: *3.2

Translation

AU: Molchanova, E.K.
 ED: Glazunov, S.G.
 ET: Phase Diagrams of Titanium Alloys
 TT: Atlas Diagrammi Sostoyaniia Titanovykh Splavov
 TP: Israel Program for Scientific Translations,
Jerusalem, 1965, xxi + 296 pages + 1 chart,
IFST Cat. No. 2162
 OP: Izdatel'stvo "Mashinostroenie," Moscow, 1964
 TR: Halbreich, A., N. Kaner, M. Statter
 CL: *4.1

ED: Leipunskii, A.I. (Chief Editor)
 ET: Buletin of the Information Center on Nuclear
Data, Fifth Issue
 TT: Byulleten' Informatsionnogo Tsentra po Yadernym
Dannym, Vypusk Pyatyi
 OP: Atomizdat, Moscow, 1968, 355 pages
 EC: State Committee on the Utilization of Atomic
Energy, USSR
 TC: Gosudarstvennyi Komitet po Ispol'zovaniyu
Atomnoi Energii SSSR
 CL: *2.25
 TN: None

AU: Naumov, G.B., B.N. Ryzhenko, I.L. Khodakovskii
 ED: Tugarinova, A.N.
 ET: Handbook on Thermal Properties of Geologic
Substances
 TT: Spravochnik Termodynamicheskikh Velichin (dlya
Geologov)
 OP: Atomizdat, Moscow, 1971, 240 pages
 CL: *8.1
 TN: Available from NTIS as TT 73-53051

ED: Leipunskii, A.I. (Chief Editor)
 ET: Bulletin of the Information Center on Nuclear
Data, Fourth Issue
 TT: Byulleten' Informatsionnogo Tsentra po Yadernym
Dannym, Vypusk Chetvertyi
 OP: Atomizdat, Moscow, 1967, 539 pages
 EC: State Committee on the Utilization of Atomic
Energy, USSR
 TC: Gosudarstvennyi Komitet po Ispol'zovaniyu
Atomnoi Energii SSSR
 CL: *2.25
 TN: None

ED: Novikova, I.I., A.N. Gordova
 ET: Proceedings of the All-Union Conference on
Thermophysical Properties of Substances at
High Temperatures, Novosibirsk, 25-30 July
1966.
 Volume I: Thermophysical Properties of Solids
at High Temperatures;
 Volume II: Thermophysical Properties of
Liquids and Gases at High
Temperatures and of Plasmas
 TT: Trudy Vsesoyuznoi Konferentsii po
Teplofizicheskim Svoistvam Veshchestv pri
Vysokikh Temperaturakh, Novosibirsk, 25-30
Iulya, 1966 g.
 Tom I: Teplofizicheskie Svoistva Tverdykh Tel
pri Vysokikh Temperaturakh;
 Tom II: Teplofizicheskie Svoistva Zhidkosteii i
Gazov pri Vysokikh Temperaturakh
Temperaturakh i Plazmy

OP: Izdatel'stvo Komiteta Standartov, Mer I
Izmeritel'nykh Priborov pri Sovete Ministrov
SSSR, Moscow, 1969, Vol. I: 496 pages, Vol.
II: 407 pages
 EC: Committee on Standards, Measures and Measuring
Instruments of the Soviet Ministry, USSR
 EC: State Office of Standards and Reference Data
 TC: Komitet Standartov, Mer i Izmeritel'nykh
Priborov pri Sovete Ministrov SSSR
 TC: Gosudarstvennaya Sluzhba Standartnykh i
Spravochnykh Danniykh
 CL: *8.2
 TN: In process

Translation
 ED: Leypunskii, A.I. (Chief Editor)
 ED: Kazachkovskii, C.D., A.V. Malyshev, M.N.
Nikolaev
 AU: Nikolayshvili, Sh.S., et al.
 ET: Bulletin of the Information Center on Nuclear
Data, First Issue
 TT: Byulleten' Informatsionnogo Tsentra po Yadernym
Dannym, Vypusk Pervyi
 TP: Argonne National Laboratory, Argonne, Illinois,
September 1964, x + 117 + 432 pages, ANL-
TRANS-168
 OP: Atomizdat, Moscow, 1964, 430 pages
 EC: State Committee on the Utilization of Atomic
Energy of the SSSR (GKIAE)
 TR: Wiliep, E.K.
 CL: *2.25
 TN: Available from NTIS as ANL-TRANS-168

Translation

AU: Rabinovich, I.B.
ET: Influence of Isotopy on the Physicochemical Properties of Liquids
TI: Vliyanie Izotopii na Fiziko-Khimicheskie Svoistva Zhidkostei
TP: Consultants Bureau, New York-London, 1970, xi + 304 pages
OP: Izdatel'stvo "Nauka", Moscow, 1968
EC: N.S. Kurnakov Institute of General and Inorganic Chemistry of the Academy of Sciences of the USSR
EC: N.I. Lobachevskii Gor'kii State University
CL: #8.1
NT: Translated edition corrected by author

TS: Sborniki: "Fizicheskie Konstanty i Svoistva Veshchestv"
OP: Izdatel'stvo Komiteta Standartov, Mer i Izmeritel'nykh Probiorov pri Sovete Ministrov SSSR, Moscow, 1970, 299 pages
EC: Committee of Standards, Measures and Measuring Instruments of the Soviet Ministry, USSR
TC: Komitet Standartov, Mer i Izmeritel'nykh Probiorov pri Sovete Ministrov SSSR
EC: Gosudarstvennaya Sluzhba Standartnykh Spravochnykh Danniykh
CL: #8.1
TR: Available from NTIS as TT 72-52001

ED: Rabinovich, V.A.
ET: Thermophysical Properties of Substances and Liquids, Number 1
TT: Teplofizicheskie Kharakteristiki Veshchestv, Vypusk 1
ES: Collection: "Physical Constants and Properties of Substances"
TS: Sborniki: "Fizicheskie Konstanty i Svoistva Veshchestv"
OP: Izdatel'stvo Komiteta Standartov, Mer i Izmeritel'nykh Probiorov pri Sovete Ministrov SSSR, Moscow, 1968, 215 pages
EC: Committee of Standards, Measures and Measuring Instruments of the Soviet Ministry, USSR
EC: State Office of Standards and Reference Data
TC: Komitet Standartov, Mer i Izmeritel'nykh Probiorov pri Sovete Ministrov SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh Spravochnykh Danniykh
CL: #8.1
TN: Available from NTIS as TT 69-55091

Translation

ED: Rabinovich, V.A.
ET: Thermophysical Properties of Gases and Liquids, No. 1
TT: Teplofizicheskie Kharakteristiki Veshchestv
ES: Physical Constants and Properties of Substances
TP: Israel Program for Scientific Translations, Jerusalem, 1970, vii + 207 pages, IPST Cat. No. 5554
OP: Izdatel'stvo Komiteta Standartov, Mer i Izmeritel'nykh Probiorov pri Sovete Ministrov SSSP, Moscow, 1968
EC: Committee of Standards, Measures and Measuring Instruments of the USSR Council of Ministers
EC: Government Standards Service
TC: Komitet Standartov, Mer i Izmeritel'nykh Probiorov pri Sovete Ministrov SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh Spravochnykh Danniykh
TR: Moscona, A.
CL: #8.1
TN: Available from NTIS as TT 69-55091

ED: Rabinovich, V.A.
ET: Thermophysical Properties of Substances and Materials, Number 2
TT: Teplofizicheskie Svoistva Veshchestv i Materialov, Vypusk 2
ES: Collection: "Physical Constants and Properties of Substances"

ED: Rabinovich, V.A.
ET: Thermophysical Properties of Substances and Materials, Number 3
TT: Teplofizicheskie Svoistva Veshchestv i Materialov, Vypusk 3
ES: Collection: "Physical Constants and Properties of Substances"
TS: Sborniki: "Fizicheskie Konstanty i Svoistva Veshchestv"
OP: Izdatel'stvo Standartov, Moscow, 1971, 206 pages
EC: State Committee of Standards of the Soviet Ministry, USSR
EC: State Office of Standards and Reference Data
TC: Gosudarstvennyi Komitet Standartov Soveta Ministrov, SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh Spravochnykh Danniykh
CL: #8.1
TR: Available from NTIS as TT 73-52009 Volume III: Radioactive Elements and Rare Earth Elements Chemistry

ED: Rabinovich, V.A. (Editor)
ET: Thermophysical Properties of Substances and Materials, Number 4
TT: Teplofizicheskie Svoistva Veshchestv i Materialov, Vypusk 4
ES: Collection: "Physical Constants and Properties of Substances"
TS: Sborniki: "Fizicheskie Konstanty i Svoistva Veshchestv"
OP: Izdatel'stvo Standartov, Moscow, 1971, 164 pages
EC: State Committee of Standards of the Soviet Ministry
EC: State Office of Standards and Reference Data
TC: Gosudarstvennyi Komitet Standartov Soveta Ministrov
TC: Gosudarstvennaya Sluzhba Standartnykh Spravochnykh Danniykh
CL: #8.1
TR: In process

ED: Rabinovich, V.A.
ET: Thermophysical Properties of Substances and Materials, Number 5
TT: Teplofizicheskie Svoistva Veshchestv i Materialov, Vypusk 5
ES: Collection: "Physical Constants and Properties of Substances"
TS: Sborniki: "Fizicheskie Konstanty i Svoistva Veshchestv"
OP: Izdatel'stvo Standartov, Moscow, 1972, 179 pages
EC: State Committee of Standards of the Soviet Ministry
EC: State Office of Standards and Reference Data
TC: Gosudarstvennyi Komitet Standartov Soveta Ministrov
TC: Gosudarstvennaya Sluzhba Standartnykh Spravochnykh Danniykh
CL: #8.1
TR: In process

- AU:** Rivikin, S.L.
ET: Thermophysical Properties of Water in the Critical Region, A Handbook
TT: Teplofizicheskie Svoistva Vody v Kriticheskoi Oblasti, Spravochnik
OP: Izdatel'stvo Standartov, Moscow, 1970, 635 pages
EC: State Committee on Standards of the Soviet Ministry
EC: Soviet Coordinating Committee on the Properties of Steam of the Academy of Sciences USSR
EC: State Office of Standards and Reference Data
TC: Gosudarstvennyi Komitet Standartov Soveta Ministrov
TC: Sovetskiy Koordinatsionnyi Komitet po Svoistvam Vodyanogo Para A.N. SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh i Spravochnikh Danniykh
CL: *8.1
TR: In process
- AU:** Sergeev, O.A.
ET: Metrological Fundamentals of Thermophysical Measurements
TT: Metrologicheskie Osnovy Teplofizicheskikh Izmerenii
OP: Izdatel'stvo Standartov, Moscow, 1972, 156 pages
CL: *8.2
TR: None
- AU:** Shpil'rain, E.E., K.S. Yakimovich
ET: Lithium Hydride, Physico-Chemical and Thermophysical Properties
TT: Gidrid Litiya, Fiziko-Khimicheskie i Teplofizicheskie Svoistva
ES: Monograph No. 10
TS: Monografii, No. 10
OP: Izdatel'stvo Standartov, Moscow, 1972, 107 pages
EC: State Committee of Standards of the Soviet Ministry
EC: State Office of Standards and Reference Data
TC: Gosudarstvennyi Komitet Standartov Soveta Ministrov
TC: Gosudarstvennaya Sluzhba Standartnykh i Spravochnikh Danniykh
CL: *8.1
TR: None
- AU:** Shpil'rain, E.E., K.A. Yakimovich, E.E. Totskii, D.L. Timrot, V.A. Fomin
ED: Kirillina, V.A.
ET: Thermophysical Properties of the Alkali Metals
TT: Teplofizicheskie Svoistva Shchelochnykh Metallov
ES: Monograph No. 5
TS: Monografii No. 5
OP: Izdatel'stvo Standartov, Moscow, 1970, 487 pages
EC: Committee of Standards, Measures, and Measuring Instruments of the Soviet Ministry, USSR
EC: State Office of Standards and Reference Data
TC: Komitet Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov, SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh i Spravochnikh Danniykh
CL: *8.1
TR: Translation by Wright Patterson AFB. Available from NTIS as FID-MT-24-120-70
- AU:** Shpil'rain, E.E., K.A. Yakimovich, et al.
ET: Thermophysical Properties of the Alkali Metals
TT: Teplofizicheskiye Svoystva Shchelodochnykh Metallov
TP: Foreign Technology Division, Wright-Patterson Air Force Base Ohio, 14 Jan. 1971, 698 pages, FID-MT-24-120-70
OP: Izd-Vo Standartov, 1970, 488 pages
TE: Potts, Robert A.
CL: *8.1
NT: Available from NTIS as FID-MT-24-120-70. This document is a SYSTRAN Machine aided translation, post-edited for technical accuracy.
- ED:** Sirotnikina, V.P., R.S. Skibitskaya
ET: Significant Results of Scientific Research in [197]
TT: Vazhneishie Rezul'taty Nauchno-Issledovatel'skikh Rabot 1971 goda
OP: Izdatel'stvo "Nauka", Moscow, 1972, 80 pages
EC: High Temperature Institute
EC: Academy of Science, USSR
TC: Institut Vysokikh Temperatur
TC: Akademii Nauk SSSR
CL: *8.0-0.8
TR: None
- ED:** Skibitskaya, R.S.
ET: Significant Results of Scientific Research in 1969
TT: Vazhneishie Rezul'taty Nauchno-Issledovatel'skikh Rabot 1969 goda
OP: Izdatel'stvo "Nauka", Moscow, 1970, 62 pages
EC: High Temperature Institute
EC: Academy of Science, USSR
TC: Institut Vysokikh Temperatur
TC: Akademii Nauk SSSR
CL: *8.0-0.8
TR: None
- AU:** Soldatenko, Yu.A., E.K. Dregulyas
ET: "Sound Propagation Velocity and Calculation of the Calorific Properties of Ethylene and Propylene in the Supercritical State Region
TT: "Eksperimental'noe Issledovanie Skorosti Rasprostraneniya Zvuka i Raschet Kaloricheskikh Svoistv Etilena i Propilena v Sverkhkriticheskoi Oblasti Sostoyaniya"
OP: Tr. Vses. Nauch.-Tekh. Konf. Termodyn. Fazovskyh Perekhodov, Potoka Neobratimykh Prosessov, "Teplofiz. Svoistva Veshchestv," 3rd 1968 (Published 1970), pages 344-352.
CL: *8.3
- AU:** Soldatenko, Yu.A., E.K. Dregulyas
ET: "Experimental Research on Sound Propagation Velocity and Calculation of Caloric Properties of Ethylene and Propylene in the Supercritical State Region"
OP: Tr. Vses. Nauch.-Tekh. Konf. Termodyn, Sb. Dokl. Sekts. "Termodyn, Fazovskyh Perekhodov, Potoka Neobratimykh Prosessov" Teplofiz. Svoistva Veshchestv, 3rd, 1968, pages 344-352 (Pub. 1970)
TP: Publisher not known, 13 pages, 1973
TR: Wagner, Donna M.
CL: *8.3

Translation

AU: Songina, O.A.
 ET: Rare Metals, Third Edition, Revised and Enlarged
 TT: Redkie Metally
 TP: Israel Program for Scientific Translations,
 Jerusalem, Israel, 1970, viii + 442 pages,
 IPST Cat. No. 5654
 OP: Izdatel'stvo "Metallurgiya," Moscow, 1964
 TR: Schmorak, J.
 CL: #4.1-8.1-7.1
 NT: Available from NTIS as TT 70-50021

ED: Sycheva, V.V., A.D. Kozlova, G.A. Spiridonova
 ET: A Report About the Operations of the
 International Program of the IUPAC Commission
 on the Development of Technical Thermodynamic
 Properties Tables of Important Gases, Feasible
 for the Soviet Commission on Thermodynamic
 Tables
 TT: Otchet o Rabotakh po Programme Mezhdunarodnoi
 Komissii IYUPAK po Razrabotke Tablits
 Termodynamicheskikh Svoistv Tekhnicheskoi
 Vazhrykh Gazov, Vypolnennykh Sovetskoi
 Komissiei po Termodynamicheskim Tablitsam
 OP: Moscow, USSR Thermodynamics Tables Commission,
 1972, 373 pages
 EC: International Union on Pure and Applied
 Chemistry Commission on Thermodynamics and
 Thermochemistry
 EC: Academy of Sciences, USSR
 EC: Scientific Council on the Problem "High
 Temperature Thermophysics"
 EC: USSR Thermodynamic Tables Commission
 TC: Akademiya Nauk SSSR
 TC: Nauchnyi Sovet po Probleme "Vysokotemperaturnaya
 Teplofizika"
 TC: Sovetskaya Komissiya po Termodynamicheskim
 Tablitsam
 TN: None

Translation

AU: Terekhova, V.F., E.M. Savitskii
 ET: Yttrium, Properties, Phase Diagrams, Industrial
 Applications
 TT: Ittri
 TP: Israel Program for Scientific Translations,
 Jerusalem, 1970, vii + 167 pages, IPST Cat.
 No. 5414
 OP: Izdatel'stvo "Nauka," Moscow, 1967
 EC: Academy of Sciences of the USSR
 EC: A.A. Baikov Institute of Metallurgy
 TC: Akademiya Nauk SSSR
 TC: Institut Metallurgii im. A.A. Baikova
 TR: Kondor, R.
 TE: Slutskin, D.
 CL: #4.1-8.1-7.1
 NT: Available from NTIS as TT 69-55016 or AEC-tr-
 6980

AU: Tomanovskaya, V.F., B.E. Kolotova
 ET: Freon, Properties and Uses
 TT: Freony. Svoistva i Primenenie
 OP: Izdatel'stvo "Khimiya," Leningrad Branch, 1970,
 182 pages
 CL: #8.1
 TR: None

Translation

AU: Toropov, N.A., V.P. Barzakovskii, V.V. Lapin,
 N.N. Kurtseva
 ED: Toropov, N.A.
 ET: Handbook of Phase Diagrams of Silicate Systems
 Volume I. Binary Systems, Second Revised
 Edition
 TT: Diagrammy Sostoyaniya Silikatnykh Sistem,
 Spravochnik
 TP: Israel Program for Scientific Translation,
 Jerusalem, 1972, vii + 723 pages, IPST Cat.
 No. 5993
 OP: Izdatel'stvo "Nauka," Leningrad, 1969
 EC: Academy of Sciences of the USSR
 EC: Grebenshchikov Institute of Silicate Chemistry
 TC: Akademiya Nauk SSSR
 TC: Institut Khimii Silikatov im. I.V.
 Grebenshchikova
 TR: Schmorak, J.
 CL: #8.1
 NT: Available from NTIS as TT 71-50040

Translation

AU: Toropov, N.A., V.P. Barzakovskii, I.A. Bondar',
 Yu.P. Udalov
 ED: Toropov, N.A.
 ET: Handbook of Phase Diagrams of Silicate Systems,
 Volume II. Metal-Oxygen Compounds in Silicate
 Systems, Second Revised Edition
 TT: Diagrammy Sostoyaniya Silikatnykh Sistem,
 Spravochnik
 TP: Israel Program for Scientific Translations,
 Jerusalem, 1972, iv + 325 pages, IPST Cat. No.
 5994
 OP: Izdatel'stvo "Nauka," Leningrad, 1970
 EC: Academy of Sciences of the USSR
 EC: Grebenshchikov Institute of Silicate Chemistry
 TC: Akademiya Nauk SSSR
 TC: Institut Khimii Silikatov im. I.V.
 Grebenshchikova
 TR: Schmorak, J., R. Kondor
 CL: #8.1
 NT: Available from NTIS as TT 71-50041

AU: Tsederberg, N.V., V.N. Popov, N.A. Morozova
 ED: Alyab'ev, A.F.
 ET: Thermodynamic and Thermophysical Properties of
 Helium
 TT: Termodynamicheskie i Teplofizicheskie Svoistva
 Geliya
 OP: Atomizdat, Moscow, 1969, 276 pages
 CL: #8.1
 TN: Available from NTIS as TT 70-50096

Translation

AU: Tsederberg, N.V., V.N. Popov, N.A. Morozova
 ED: Alyab'ev, A.F.
 ET: Thermodynamic and Thermophysical Properties of
 Helium
 TT: Termodynamicheskie i Teplofizicheskie Svoistva
 Geliya
 TP: Israel Program for Scientific Translations,
 Jerusalem, 1971, v + 255 pages, IPST Cat. No.
 5795
 OP: Atomizdat, Moscow, 1969
 TE: Slutskin, D.
 CL: 8.1
 NT: Available from NTIS as TT 70-50096

ED: Vargaftik, N.B. Translation
 ET: Thermophysical Properties of Gases
 TT: Teplofizicheskie Svoistva Gazov
 OP: Izdatel'stvo "Nauka," Moscow, 1970, 213 pages
 EC: Academy of Science, USSR
 EC: Scientific Council on the Complex Problem "High
 Temperature Thermophysics"
 EC: Ministry of Power and Electrification of the
 USSR
 EC: I.G. Es'mana Azerbaizhian Scientific Research
 Institute
 TC: Akademiya Nauk SSSR
 TC: Nauchnyi Sovet po Kompleksnoi Probleme
 "Vysokotemperaturnaya Teplofizika"
 TC: Ministerstvo Energetiki i Elektrifikatsii SSSR
 TC: Azerbaizhanskii Nauchno-Issledovatel'skii
 Institut Energetiki im. I.G. Es'mana
 CL: #8.1
 TN: None

AU: Vashchenko, D.M., et al.
 ET: Thermodynamic and Transport Properties of
 Ethylene and Propylene
 TT: Termodynamicheskiye i Transportnye Svoystva
 Etilena i Propilena
 ES: Monograph No. 8
 TS: Monografii No. 8
 TP: Office of Standard Reference Data, National
 Bureau of Standards, Washington, D.C. 20234,
 June 1972, iv + 203 pages
 OP: Standards Publishing House, Moscow, June 1971,
 182 pages
 EC: State Committee of Standards of the Soviet
 Ministry
 EC: State Office of Standards and Reference Data
 CL: #8.3
 NT: Available from OSRD while supply lasts.

AU: Vargaftik, N.B., L.P. Filippov, A.A. Tarzmanov,
 R.P. Yurchak
 ET: Thermal Conductivity of Gases and Liquids, Data
 Handbook
 TT: Teploprovodnost' Gazov i Zhidkostei, Spravochnye
 Dannye
 OP: Izdatel'stvo Komitev Standartov, Mer i
 Izmeritel'nykh Priborov pri Sovete Ministrov
 SSSR, Moscow, 1970, 155 pages
 EC: State Office of Standards and Reference Data
 TC: Gosudarstvennaya Sluzhba Standartnykh i
 Spravochnykh Danniykh
 CL: #8.2
 TN: In process

AU: Vashchenko, D.M., Yu.F. Voinov, B.V. Voityuk,
 E.K. Dregulyas, A.Ya. Kolmets, S.D.
 Labinov, A.A. Morozov, I.A. Neduzhii
 (Principal Author), V.P. Provtar, Yu.A.
 Soldatenko, E.I. Storozhenko, Yu.I. Khmara
 ET: Thermodynamic and Transport Properties of
 Ethylene and Propylene
 TT: Termodynamicheskie i Transportnye Svoistva
 Etilena i Propilena
 ES: Monograph No. 8
 TS: Monografii No. 8
 OP: Izdatel'stvo Standartov, Moscow, 1971, 183 pages
 EC: State Committee of Standards of the Soviet
 Ministry
 EC: State Office of Standards and Reference Data
 TC: Gosudarstvennyi Komitet Standartov Soveta
 Ministrov
 TC: Gosudarstvennaya Sluzhba Standartnykh i
 Spravochnykh Danniykh
 CL: #8.3
 TN: Available from OSRD

AU: Vasserman, A.A., Ya.Z. Kazavchinskii, V.A.
 Rabinovich
 ED: Zhuravlev, A.M.
 ET: Thermophysical Properties of Air and Its
 Components
 TT: Teplofizicheskie Svoistva Vozdukh i Ego
 Komponentov
 OP: Izdatel'stvo "Nauka," Moscow, 1966, 375 pages +
 8 charts
 EC: Academy of Science, USSR
 TC: Akademiya Nauk SSSR
 CL: #8.1
 TN: Available from NTIS as TT 70-50095

Translation

AU: Vasserman, A.A., Ya.Z. Kazavchinskii, V.A.
 Rabinovich
 ED: Zhuravlev, A.M.
 ET: Thermophysical Properties of Air and Air
 Components
 TT: Teplofizicheskie Svoistva Vozdukh i Ego
 Komponentov
 TP: Israel Program for Scientific Translations,
 Jerusalem, 1971, x + 383 pages + 8 charts,
 IPST Cat. No. 5794
 OP: Izdatel'stvo "Nauka," Moscow, 1966
 EC: Academy of Sciences of the USSR
 TC: Akademiya Nauk SSSR
 TR: Nisenbaum, C.H.
 TE: Slutskin, D.
 CL: #8.1
 TN: Available from NTIS as TT 70-50095

AU: Vasserman, A.A., V.A. Rabinovich
 ET: Thermophysical Properties of Liquid Air and Its
 Components
 TT: Teplofizicheskie Svoistva Zhidkogo Vozdukh i
 Ego Komponentov
 ES: Monograph No. 3
 TS: Monografii No. 3
 OP: Izdatel'stvo Komiteta Standartov, Mer i
 Izmeritel'nykh Priborov pri Sovete Ministrov
 SSSR, Moscow, 1968, 239 pages + 12 charts
 EC: Committee of Standards, Measures and Measuring
 Instruments of the Soviet Ministry
 EC: State Office of Standards and Reference Data
 TC: Komitet Standartov, Mer i Izmeritel'nykh
 Priborov pri Sovete Ministrov
 TC: Gosudarstvennaya Sluzhba Standartnykh i
 Spravochnik Danniykh
 CL: #8.1
 TN: Available from NTIS as TT 69-55092

- Translation
- AU: Vasserman, A.A., V.A. Rabinovich
 ET: Thermophysical Properties of Liquid Air and Its Components
 TT: Teplofizicheskie Svoistva Zhidkogo Vozdukha i Ego Komponentov
 ES: Monograph No. 3
 TP: Israel Program for Scientific Translations, Jerusalem, 1970, viii + 235 pages + 12 charts
 OP: Izdatel'stvo Komiteta Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov SSSR, Moscow, 1968
 EC: Committee of Standards, Measures and Measuring Instruments of the USSR Council of Ministers
 EC: Government Standards Service
 TC: Komitet Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov
 TC: Gosudarstvennaya Sluzhba Standartnykh i Spravochnykh Danniykh
 TR: Barouch, A.
 TE: Greenberg, P.
 CL: *8.1
 NT: Available from NTIS as TT 69-55092
- Translation
- AU: Vol, A.E.
 ED: Ageev, N.V.
 ET: Handbook of Binary Metallic Systems, Structure and Properties, Volume I: Physicochemical Properties of the Elements. Systems of Actinium, Aluminum, Americium, Barium, Beryllium, Boron, and Nitrogen. Volume II: Physicochemical Properties of the Elements. Systems of Bismuth, Dysprosium, Europium, Gadolinium, Gallium Germanium, Hafnium, Holmium, Hydrogen, Iron, Tungsten, and Vanadium.
 TT: Stroenie i Svoistva Dvoynykh Metallicheskikh Sistem
 TP: Israel Program for Scientific Translations, Jerusalem, Vol. I: 1966, xii + 635 pages, IPST Cat. No. 1711, Vol. II: 1967, xvii + 870 pages, IPST Cat. No. J7J2
 OP: Gosudarstvennoe Izdatel'stvo Fiziko-Matematicheskoi Literatury, Moscow, 1959, 1962
 EC: Institute of Metallurgy of the Academy of Sciences of USSR
 TR: Schmorak, J.
 CL: *8.1-1.1
 NT: Available from NTIS as TT 66-51149 for Vol. I, TT 66-51150 for Vol. II.
- Translation
- AU: Voskresenskaya, N.K., N.N. Evseeva, S.I. Berul', I.P. Verashchetina
 ED: Voskresenskaya, N.K.
 ET: Handbook of Fused Systems in Anhydrous Inorganic Salts, Volume I: Binary Systems, Volume II: Ternary Systems, Reciprocal Ternary Systems and Multicomponent Systems
 TT: Spravochnik po Plavkosti Sistem iz Bezvodnykh Neorganicheskikh Solei, Tom I: Dvoynye Sistemy, Tom II: Troinye, Troinye Vzaimnye i Volee Slozhnye
 OP: Izdatel'stvo Akademii Nauk SSSR, Moscow, Leningrad, 1961, 846 pages, 590 pages
 EC: Academy of Sciences of the USSR
 EC: N.S. Kurnakova Institute of General and Inorganic Chemistry
 TC: Akademiya Nauk SSSR
- Translation
- AU: Voskresenskaya, N.K., N.N. Evseeva, S.I. Berul', I.P. Verashchetina
 ED: Voskresenskaya, N.K.
 ET: Handbook of Solid-Liquid Equilibria in Systems of Anhydrous Inorganic Salts, Volume I: Binary Systems, Volume II: Ternary Systems, Reciprocal Ternary Systems, and Multicomponent Systems
 TT: Spravochnik po Plavkosti Sistem iz Bezvodnykh Neorganicheskikh Solei
 TP: Israel Program for Scientific Translations, Jerusalem, 1970, Vol. I - iv + 883 pages, IPST Cat. No. 5519; Vol. II - iv + 570 pages, IPST Cat. No. 5520
 OP: Izdatel'stvo Akademii Nauk SSSR, Moscow, Leningrad, 1961
 EC: Academy of Sciences of the USSR
 EC: Kurnakov Institute of General and Inorganic Chemistry
 TC: Akademiya Nauk SSSR
 TC: Institut Obshchei i Neorganicheskoi Khimii im. N.S. Kurnakova
 TR: Schmorak, J.
 CL: *8.1
 NT: Available from NTIS as TT 69-55079/1 & 2 or AEC-tr-6983/1 & 2
- Translation
- AU: Vukalovich, M.P., V.V. Altunin
 ET: Thermophysical Properties of Carbon Dioxide
 TT: Teplofizicheski Svoistva Dvukisi Ugleroda
 TP: Collet's Ltd., London & Wellingborough, 1968, xiv + 463 pages
 OP: Atomizdat, Moscow, 1965
 TE: Gaunt, D.S.
 CL: *8.2
- Translation
- AU: Vukalovich, M.P., Yu.M. Babikov, D.S. Rasskozov
 ET: Thermophysical Properties of Organic Heat Transfer Agents
 TT: Teplofizicheskie Svoistva Organicheskikh Teplonositeli
 OP: Atomizdat, Moscow, 1970, 239 pages
 CL: *8.3
 TN: None
- Translation
- AU: Vukalovich, M.P., S.L. Rivkin, A.A. Aleksandrov
 ET: Tables of Thermophysical Properties of Water and Steam
 TT: Tablitsy Teplofizicheskikh Svoistv Vody i Vodyanogo Para
 OP: Izdatel'stvo, Moscow, 1969, 408 pages + 4 charts
 EC: Committee of Standards, Measures and Measuring Instruments of the Soviet Ministry, USSR
 EC: Soviet Coordinating Committee on the Properties of Steam, A.N. USSR
 EC: State Office of Standards and Reference Data
 TC: Komitet Standartov, Mer i Izmeritel'nykh Priborov pri Sovete Ministrov SSSR
 TC: Sovetskii Koordinatsionnyi Komitet po Svoistvam Vodyanogo Para A.N. SSSR
 TC: Gosudarstvennaya Sluzhba Standartnykh i Spravochnykh Danniykh
 CL: *8.1
 TN: None

AU: Translation
Yatsimirskii, K.B., V.P. Vasil'ev
ED: Chernyaev, I.I.
ET: Instability Constants of Complex Compounds
TT: Konstanty Nestoikosti Kompleksnykh Soedinenii
TP: Consultants Bureau, New York, 1960, ix + 214
 pages
OP: Academy of Sciences USSR Press, Moscow, 1959
EC: Academy of Sciences, USSR
CL: *8.2

AU: Zaidel', A.N., V.K. Prokof'ev, S.M. Raiskii,
V.A. Slavnyi, E.Ya. Shreider
ET: Tables of Spectral Lines, Third Edition,
 Corrected and Supplemented
TT: Tablitsy Spektral'nykh Linii, Izdanie Tret'e
 Ispravленное и Дополненное
OP: Izdatel'stvo "Nauka", Glavnaya Redaktsiya Fiziko-
 Matematicheskoi Literatury, Moscow, 1969, 782
 pages
CL: *3.2
TN: None

AU: Yustova, E.N.
ET: Tables of Basic Colorimetric Data
TT: Tablitsy Osnovnykh Kolorimetricheskikh Velichin
OP: Izdatel'stvo Komiteta Standartov, Mer i
 Izmeritel'nykh Priborov pri Sovete Ministrov
 SSSR, Moscow, 1967, 32 pages + 4 charts
EC: State Office of Standards and Reference Data
EC: All-Union Scientific-Research Institute of
 Metrology of D.I. Mendeleeva
TC: Gosudarstvennaya Sluzhba Standartnykh i
 Spravochnykh Danniykh
TC: Vsesoyuznyi Nauchno-Issledovatel'skii Institut
 Metrologii im. D.I. Mendeleeva
CL: *8.1
TN: None

AU: Zaidel', A.N., V.K. Prokof'ev, S.M. Raiskii
ET: Tables of Spectrum Lines
GT: Spektraltabellen
FT: Tables des Raies Spectrales
TT: Tablitsy Spektral'nykh Linii
TP: The Macmillan Company, New York, 1961, xlivi +
 550 pages
OP: Moscow, Leningrad, 1952
CL: *3.1
NT: Translation into English, German and French

AU: Zagoruchenko, V.A., Zhuravlev, A.M.
ET: Thermophysical Properties of Gaseous and Liquid
 Methane
TT: Teplofizicheskie Svoistva Gazobraznogo i
 Zhidkogo Metana
ES: Monograph No. 4
TS: Monografii No. 4
OP: Izdatel'stvo Komiteta Standartov, Mer i
 Izmeritel'nykh Priborov pri Sovete Ministrov
 SSSR, Moscow, 1969, 236 pages
EC: Committee on Standards, Measures and Measuring
 Instruments of the Soviet Ministry, USSR
EC: State Office of Standards and Reference Data
TC: Komitet Standartov, Mer i Izmeritel'nykh
 Priborov pri Sovete Ministrov SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh i
 Spravochnykh Danniykh
CL: *8.3
TN: Available from NTIS as TT 70-50097

AU: Zandberg, E.Ya., N.I. Ionov
ET: Surface Ionization
TT: Poverkhnostnaya Ionizatsiya
TP: Israel Program for Scientific Translation,
 Jerusalem, 1971, xii + 355 pages, IPST Cat.
 No. 5834
OP: Izdatel'stvo "Nauka" Glavnaya Redaktsiya Fiziko-
 Matematicheskoi Literatury, Moscow, 1969
TR: Harrik, E.
TE: Berry, B.
CL: *6.2
NT: Available from NTIS as TT 70-50148

AU: Zagoruchenko, V.A. Zhuravlev, A.M.
ET: Thermophysical Properties of Gaseous and Liquid
 Methane
TT: Teplofizicheskie Svoistva Gazobraznogo i
 Zhidkogo Metana
ES: Monograph No. 4
TP: Israel Program for Scientific Translations,
 Jerusalem, 1970, viii + 243 pages, IPST Cat.
 No. 5796
OP: Izdatel'stvo Komitet Standartov, Mer i
 Izmeritel'nykh Priborov pri Sovete Ministrov
 SSSR, Moscow, 1969
EC: Committee of Standards, Measures and Measuring
 Instruments of the USSR Council of Ministers
EC: Government Standards Service
TC: Komitet Standartov, Mer i Izmeritel'nykh
 Priborov pri Sovete Ministrov SSSR
TC: Gosudarstvennaya Sluzhba Standartnykh i
 Spravochnykh Danniykh
CL: *8.2
TN: Available from NTIS as TT 70-50097

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