

The Soviet Space Vehicle 'Mars 1'.

RUSSIAN, np, Pravda, 2nd/7th Nov 1962.

NLI Ref: 5200.8 1962 (27)
(loan)

Sci - Aerospace
Jul 63

236,230

Examination of the Operation of the Fes-1 Photo-
electric Stylometer, by I. S. Abramson, L. P.
Malyavkin, et al, 11 pp.

RUSSIAN, per, Soviet Metal Technology, Vol I, No 3,
1958, pp 13-23.

PS ~~59-4286~~

Sci - Chemistry
Feb 59

Primary Source
11 Bleecker ST
N.Y. 81,540

5.00

Under the Northern and Southern Lights.
8 pp.
RUSSIAN, per, Soviet Warrior, No 2, 1969,
p 22.
DIA LN 1061-69

Sci-Misc
June 69

384,061

Nava. Sappers.
RUSSIAN, per Soviet Komsomol, No 21, 1970, p 26.
DIA LN 494-71

Use of Incoherent Diffusion for the Detection
of Collisions Between Ionized and Neutral
Particles, by M. Petit, P. Waldteufel, 5 pp.
FRENCH, Act, Space Research VII, North Holland
Pub. Co. 1967, pp 241-244
ARM/RSIC/Tr-876-68
GOVERNMENT USE ONLY

Sci/Space Tech
Feb 69

3547198

Gamma Ray Astronomy, by E. Schatzman, 11 pp.
FOR OFFICIAL USE ONLY
FRENCH, per, Space Science Reviews, Vol I, No 4, 1963,
pp 774-779.

Navy Tr 3728/NRL 960

Sci - Earth Sci & Astron
Mar 64

250,954

Investigation of the Ionosphere with Radio-
waves from Satellites and Rockets, Phase
Methods, by R. Rawer.
GERMAN, per, Space Science Reviews, Vol III,
No 3, 1964, pp 380-432.
Dept of Navy Tr No 4345/APL No T-1495

Sci - ES
Nov 65

292,775

Terrestrial and Satellite Geodesy, by
J. Kovalevsky & F. Barlier.
FRENCH, per, Space Science Reviews, Vol 7,
1967, pp 69-134.
Dept of Navy/APL/JHU T-2096

Sci/Astron
Apr 68

351,239

The Structure of the Neutral Upper Atmosphere,
by M. N. Izalov.

GOVERNMENT USE ONLY

RUSSIAN, per, Space Science Reviews,

Vol 7, No 5/6, 1967, pp 597-611.

NASA TT F-11,786

Sci
Dec 68

371,082

AEC (CTO-762) THERMAL PLASMA AS A STANDARD
INTENSITY SOURCE IN THE WAVELENGTH RANGE FROM
1100 TO 3100 Å. Holdt, G. Translated by J. B. Sykes (Culham
Lab., Abingdon, Eng.), from Space Sci. Rev.: 11: 728-72 (1970).
65p.

physics (plasma); translations

ND-34 NP RC

Unlimited

Spanish Reports on Relations with Agricultural
Coop Members, 6 pp.
English, CIA, File # 6500 DM, 30 Jun 72.
JPRS 56521

AUG 72

Colombian Guerrilla Publishes Diary,
9 pp.
GOVERNMENT USE ONLY
FRENCH, per, Special, Brussels,
28 Feb 68, pp. 28-32.
JPRS GUO 2744

LA (Colombia)
Political
March 68

352,793

Specifications for Installation and Maintenance of
Electrical Equipment in Rooms Used for Medical
Purposes,
GERMAN, Standard Electrical VDE-0107/12.62.
SLA-TT-66-11609

Aug 66

309,340

Instructions for Electro Medical Instruments.
GERMAN, Standard Electrical VDE-0750, /Pts.1/8.64,
2/7.57, 3/7.57, 4/1.59, 5/7.57, 6/7.57, 8/7.57,
9/7.57, 10/7.57, 11/7.57, 12/12.62, 14/7.57.
SLA-TT-66-11610

Aug 66

309,244

Radio Interference Limit Values for High Frequency
Instruments and Installations,
GERMAN, Standards Electrical VDE-0871/5.63
SLA-TT-66-11611

Aug 66

309,325

R. Spieth

Availability of the process computer in
the obrigheim atomic power station.
ENGLISH, Specialists' Meeting on
Experience in the Use of Process Computers
in Atomic Power Installations, Brussels
(28-29 Oct. 1971). Commission of the
European Communities/IAEA, Paper PL 481/8,
9 pp. (Digest, Vol. 24, abstract 1081)
C.E. Trans. 5831

DEC 72

G. Graf

Process computer in an atomic power station.
Danger alarm design concept with data
display units

ENGLISH, Specialists' Meeting on Experience
in the Use of Process Computers in Atomic

Power Installations, Brussels (28-29 Oct.

1971). Commission of the European

Communities / IAEA Paper PL 481/9, 8 pp.

(Digest, Vol. 24, abstract 1080)

C.E. Trans. 5744D

dec 72

Degassing in the Nord and Pas-de-Calais
Basin, by P. DuFay.
FRENCH, Per, Special Print F 3441,
pp 36
GRL. T. 2221

Sci -
Jul 67

333,000

Brown Pigment in Tobacco, by Y. Kaburaki
JAPANESE, per, Specialist Res. Rep., Japan.
No. 106, 1964, pp 41-47
CSIRO/ No. 7-33

Sci -
Aug 67

337-108

Increase in the Luminosity x Resolution
Product of Interferometers by Using
a Path Difference Independent of the
Incidence, by Pierre Connes.

FRENCH, per, Spectromet Interferent,

Vol XXXV, No 1, 1956, pp 37-43.

NASA TT F-10,892

GOVERNMENT USE ONLY

Sci-Phys

Jun 67

326,065

Specification - Electronic Component Parts, Test
Methods, 56 pp.

FRENCH, rpt, Unified CCTU Specification. Project
CCTU 01-OIA, Jul 1961.

Navy Tr 3160/BuShips 730

Sci - electron

Jun 62

203,497

USSR State Standards.
RUSSIAN, per, Standards Information Index
1967, Vol 11, pp 3-11.
N.L. Ref: 5828.4F (12874)

USSR
Econ
Jan 69

372,586

Reconstruction of the IRT Reactor in the I. V.
Kurchatov Atomic Energy Institute, by V. V.
Goncharov, Yu. F. Chernilin, 22 pp.

RUSSIAN, per, State Committee for the Use of
Atomic of the USSR and the I. V. Kurchatov
Atomic Energy Institute, 1967.

Dept of Navy ONI tr 2444

Sci-Physics

Oct 67

340,873

Decree of the Government to Substitute Law No 23,
1959, Concerning the State of Emergency (Indonesia),
21 pp. UNCLASSIFIED

INDONESIAN, per, State Gazette, No 139, 1959, Encl
to Ser No 5-60, US NA, Djakarta, 15 Jan 1960

Navy/OHI 5086973

FE - Indonesia
Pol
Mar 60

109,772

Thermal Investigation of the Reactions Between
the Component Parts of the Lime-Soda-Bauxite Mixture,
by D. K. Avdeyev, 19 pp.

RUSSIAN, ~~per~~, State Inst Applied Chem USSR, No 16,
1932, pp 106-122.

SLA R-3030

Sci

Jul 59

92,753

THE 1963 STATE PLAN, 5 PP.

VIETNAMESE, NP , NHAN DAN, 11 DEC 1962, P 3.

JPRS 17674

FE - VIETNAM
ECON
FEB 63

223,427

Statistics of the Brazilian Fishing Industry
for 1966, 80 pp.

PORTUGUESE, per, Statistics of the Brazilian
Fishing Industry for 1966, Sudene - GCDF.

*CFSTI TT 67-59303

LA-Brazil

Econ

Jan 68

Additional Data on Occupied Area Census
Tabulated, 18 pp.
HEBREW, per, Statistical Abstract of Israel,
Jerusalem, Sept 1968, pp 593-604.
JPRS 47,503

NE-Israel
Statistics
Mar 69

376,023

Statistische Untersuchungen Über Die Mortalitäts-
Verhältnisse Im Ärztlichen Stande, by E.

Gussmann.

GERMAN, per, Statistical Studies on the Mor-
tality Rates in the Medical Profession, 1865,

36pp.

NIH HEW 7-15-67

Sci - B&M

Aug. 67

338,310

STATUS OF VARIOUS USSR~~X~~ ELECTRIC POWER
STATIONS, 6 PP.

RUSSIAN, VARIOUS NEWSPAPERS.

JPRS 17669

USSR
ECON
FEB 63

~~221,711~~

223,785

MOLDAVSKII, O. D. and others. Effect of certain elements
on the properties of steel in process of crystallizing.
Proc. Conf. on the Physio-Chemical Fundamentals of
Steelmaking, Moscow, 1961. pp. 106-18 (CRL/T. 4040x)

German Instruction in Street Construction in
Rwanda for the Improvement of the Traffic
Infrastructure of the Country.
GERMAN, rpt, Strasse Brucke Tunnel, 10 Oct 1969,
pp 265-267.
DIA IN 619-70

Sci/Mech
Feb 71

On a Case of Dynamic Stresses in an
Unbounded Elastic Space With a Cylindrical
Cavity, by M. N. Sidliar, 5 pp.
RUSSIAN, per, Stress Concentrations, No 1,
1965, pp 233-238.
CIA/FDD X-5922

Sci Mech, Industrial, Civil
& Marine Engr
Aug 66
FOR OFFICIAL USE ONLY

305,661

Influence of Creep of the Material on
Stress Concentration Around a Circular Hole
in a Plate, by L. P. Khoroshun, 5 pp.
RUSSIAN, per, Stress Concentration, No 1,
1965, pp 299-304.
CIA/FDD X-5926

Sci - Materials
Aug 66
FOR OFFICIAL USE ONLY

305.658

Some Characteristics of the Behavior of Heat-Resistant Alloys Under Cyclically Changing Temperatures, by V. I. Prosvirin, V. D. Mortikov, 7 pp.
RUSSIAN, bk, Structure and Properties of Heat Resistant Metallic Material, Academy of Sciences, 1967.
ARM/FSTC/HT-23-431-70

Aug 71

J-1752/66

P. B. Struve in Warsaw, by S. Voytsekhovskiy.
RUSSIAN, per, pp 139-149.
*JPRS/DC-12286/Special

USSR
Pol - Espionage
Apr 66

Communist China's Newly Established 2nd Artillery
Unit, by Wu Yum-Kwan, 6 pp.

GOVERNMENT USE ONLY

CHINESE, per, Studies of Chinese Communism,

Vol 1, No 9, 1967.

ARM/PSTC/RT-23-016-70

FE/ML
Sept 70

Bio. Lab T-467-1

B-7618-D
12 Oct 66

Effect of malonic-hydrazide in culture media on the
mycelial growth, sporulation & spore germination of
various phytopathogenic fungi

By: Aoki

From : Studies on Plant Disease 6(4):139-140, 1959 (2 pp)

Japanese - est for wds:

Translate and type 1 camera ready copy. Document can not
can be cut. Reproduce for paste-up. Typing instructions
attached. Make cover as sample. T-467-1.

Powerful Gas Lasers, by V. P. Tychinskiy. 55 pp.
RUSSIAN, per, Successes of Physical Sciences,
Vol 91, No 3, 1967, pp 389-424.
NAV/NIC/Trans-2876(a)-69

Sci-Phys
Oct 69

393,303

CO₂ Optical Quantum Generators, by N. N. Sobolev,
V. V. Sokovikov. 49 pp.
RUSSIAN, per, Successes of Physical Sciences,
Vol 91, No 3, 1967. pp 425-454.
NAV/NIC/Tran-2876(b)-69

Sci-Phys
Oct 69

393,302

Application of Irradiated Polyethylene Film
to Packaging, by J. Morioka, et al, 18 pp.

FOR OFFICIAL USE ONLY

JAPANESE, per, the Sumitomo Electric Review,
Vol LXXXIII, 1963, pp 108-116. 9693136

FSTC 381-765-291

I-7261

ID 2204018965

FE-Japan

Econ.

Oct 65

288,655

Application of Irradiated Polyethylene
Film to Packaging, by J. Morioka.
JAPANESE, per, The Sumitomo Electric
Review, Vol LXXXIII, 1965, pp 108-116.
*ACSI I-7261
ID 2204018965

Sci - Phys
Jan 65

R-5390-D

Application of Irradiated Polyethylene Film to Packaging
by J. Morioka, et al, The Sumitomo Electric Review,
Vol 83, pp 108-116, 9 pp

Japanese

FEP at 21 -- Still a Force in Guyana,
by Ricky Singh, 7 p.
ENRISI, no. 31, Georgetown, Georgetown,
10 January 1971, pp. 71-7.
JPRS 52262

LA/Guyana
Fol
Feb 71

File: [unclear], [unclear] by: [unclear]
by: [unclear]
[unclear], [unclear], [unclear], 31 Jan
1971, pp. 3, 7.
JPRS 2432

LA-Cayana
P21
Feb 71

Sunday Times Maxwell-Chau Interview,
by Neville Maxwell, 16 pp.
GOVERNMENT USE ONLY
ENGLISH, in, The Sunday Times, London,
5 Dec 71, pp U-5.
JPRS/L 4013

Jan 72

Supersonic Combustion in a Cylindrical Channel,
by A. Mestre, L. Viand.
FRANCA, per, Supersonic Flow, Chemical Processes
and Radiative Transfer, Ed: D. B. Olfe and
V. Zukay, Pergamon Press, 1964, pp 93-111.
*Dept Navy/APL J532

Sci - Eng
Apr 65

278,226

The Colorful Cotton and Wool Textiles at the
Cotton and Wool Textile Display, by Hu Ming,
5 pp.
CHINESE, per, Supplement to Economic Bulletin, No 4,
1964, pp 12, 13.
JPRS 24702

FE-China
Econ
Jun 64

260,715

WE PROTEST SUPPRESSION OF THE U. S. COMMUNIST
PARTY, 5 PP.

JAPANESE, NP, AKAHATA, 22 DEC 1962, P 1.

JPRS 17596

NA - U. S.
POL
FEB 63

223, ~~257~~457

Structure, Formation Mechanism, and Stability
of a Sulfur Adsorption Layer on Nickel, by
M. Perdereau,
EUROPEAN, per. Surface Science, Vol 20, 1970,
pp 80-98.
NTC-71-10817-07D

Nov 71

Oxygen Adsorption on Copper and Determination of
Roughness Factors, by M. Heumann.
GERMAN, per, Surface Science, No 21, 1971, pp 370-390.
SWIS IT 72-53177

Aug 72

⁴(AEC-t1-7286) ⁵MORPHOLOGICAL CHANGES OF
METAL TIPS BY HEAT TREATMENT (VERIFICATION OF THE
NICHOLS AND MULLINS THEORY). ⁶Vu Thien Binh; Piquet, A.;
Roux, H.; Uzan, R.; Drechsler, M. ¹⁰Translated from ¹⁵Surface
Sci.; 25: 348-56(1971). ²⁰8p. ²⁴Dep. NTIS.

²⁵

²⁶metallurgy; translations ²⁷11F

²⁸MN-25 ²⁹P NSA

R. Kern

A. Masson

Biogenic migration of crystallites on a surface and its relationship to epitaxy. 19 pp.

DUTCH, per, Surface Science, Vol 27, 1971, pp 483-498

NASA TP R 14,210

July 78

A. Masson

J. J. Metois

Brownian migration of crystallites on a surface and
its relationship to epitaxy. 24 pp.
HUTCH, per. Surface Science, Vol 27, 1971, pp 463-482
NASA TT F 14,216

US GOVT ONLY

COPYRIGHT MATERIAL

july 72

Diffusion Coating of Metals into Fe
During Sintering, by Y. Hosoi, 5 pp.
JAPANESE, per, Surface Tech. Of Metals,
18, 1967, pp. 62-65.
*Nat. Bur. Stand. TT 70-57175

Sci/chem
May 70

Ultrasonic Cleaning of Components, by M.
Nieger.
GERMAN, per, Surfaces, Finition et Protection,
No 11, 1964, pp 58-60
GB/245

Sci -
Jul 67

334,541

The Case History of Arthritis in Connection
with Decompression Sickness.
CHINESE, per, The Surgical Journal of China,
Vol 14, Fourth Edition, 1966.
Dept of Navy/ONI 2434

Sci/H and M
Sep 67

340.506

The Soviet GAE-2 Gravimeter, by U. D. Pu-Lang-Je,
E. I. Po-Po-Fu, 12 pp. UNCLASSIFIED

CHINESE, per. Survey Journal, # Vol III, No 4,
Jul 1957, Encl to IR 645-58, 600th AISS.

AF 1163222

Sci - Eng
Apr 58

61,417

Survey of U.S.S.R. Literature on Air Pollution and
Related Occupational Diseases,

RUSSIAN, per, Vol III.

OTS 60-21475

Sci
Jun 63

Problems Relating Detail Mapping Using
Planetable, by Chang Jun.
CHINESE, per, Surveying and Cartography,
No 12, 1954.
Army Topographic Command
TA501, T92

Sci-Ear Sci
June 69

384,480

Surveyors Must Set and Example in the
Preservation of Geodetic Marks, by
I-tao Ko.
CHINESE, per, Surveying and Cartography,
No 12, 1964.
Army Topographic Command
TA501, T92

Sci-Ear Sci
June 69

384,479

The 2nd Academic Symposium at Whhan College of Surveying and Mapping, by Wu-han Ts'e-hui.
CHINESE, per, Surveying and Cartography,
No 12, 1964.
Army Topographic Command
TA501, T92

Sci-Har Sci
June 69

384,478

Glaciers of the Hsi-hsia-pang-ma Region
and Their Representation on Topographic
Maps, by Chi-lien Yu.
CHINESE, per, Surveying and Cartography,
No 12, 1964.
Army Topographic Command
TA501, T92

Sci-Ear Sci
June 69

384,477

Gas Turbines in Merchant Ship Development up to the
Mid-80's by J. Sorenson
SPANISH, rpt, Swedish Ship Research Foundation
ESK, Rpt No 78.
*NORSHIP, No 1366

Oct 72

The Soviet Artillery, by Peter Hasser.
GEOORGIAN, per, The Swiss Military Periodical, Vol 137,
No 5, 1971, pp 355-356.
WSTC-II-23-0979-72

Dec 71

Comparative Measurements of Heterophoria After
the Methods of Graefe and Polatest, by R. Fern,
10 pp.

FRENCH, man, Swiss Ophthalmological Society,
1967.

Dept of Navy/NES 1240A

Sci-B and M
Apr 68

352,175

The Limit of Resistance in Malnutrition and Daily
Percentage Loss of Body Weight in Relation to the
Quality and Type of Food, by F. Rubino, V. Castre,
F. Geangrasso. UNCLASSIFIED

ITALIAN, per, Tables of Nutrition, Vol II, 1950,
pp 336-352.

ATIC F-TS-8214

Scientific - Medicine

9097

Jan 54 CIS

FSTC

R-5513-D
25 June 65

Table of Contents from *Priručka Bami Stronivenskych Vyrobn*, by J. Boudica and A. Vrabek, Praha 1962.
Page 5-12, 0 pp.

Discussion out for wire:

Type and transmit ready copy and one carbon copy.
Make copies 301-105-302

Studies on Formulation of Insecticides. ~~2~~ ^{X1} Prolongation of the Residual Toxic Effects of Lindane Emulsions by the Addition of Synthetic Resins, by Y. Ikeda, M. Morimoto, 7 p.

JAPANESE, per, Takamine Laboratory Annual Report, Vol VII, 1955, pp 202-208.

ATS-6LJ-173

Sci

Jul 59

92,482

Physical and Chemical Character of Formosan
Coal, by Tsang Po Yen.

CHINESE, per, Taiwan Mining Industry, Vol II,
No 2, 1950, ~~XX~~

Dept of Interior
209(22900) qUn33pr no. 331

Sci-M/M
Jan 64

246.266

Vecera, M.

QUANTITATIVE ORGANIC ANALYSIS. XXIX. AN
AUTOMATIC METHOD FOR THE MICRODETERMINA-
TION OF CARBON, HYDROGEN, AND NITROGEN IN
ORGANIC SUBSTANCES. 9 Sep 63, 6p 7refs
Order from SLA \$1.10

TT-63-20604

Trans. of Talanta (Ox. Brit.) 1961, v. 8 [no. 6]
p. 446-449. (Abstract available)

DESCRIPTORS: *Carbon, *Hydrogen, *Nitrogen,
*Organic compounds, Microanalysis, Quantitative
analysis.

A method for the automatic determination of carbon,
hydrogen, and nitrogen in organic compounds is de-
scribed. The method involves thermal conductivity
measurements and uses Co_3O_4 as combustion catalyst.
(Author) (See also 63-20603)
(Chemistry--Analytical, TT, v. 11, no. 3)

TT-63-20604

I. Vecera, M.
II. Title: Automatic...

Office of Technical Services

Sajo, I.
INDICATOR SYSTEMS ON BASIS OF VANADIUM
KOMPLEXONS. [1963] 7p 3refs
Order from SLA \$1.10

63-18157

Trans. of Talanta (Gr. Brit.) 1963, v. 10, p. 493-497.

DESCRIPTORS: *Chemical indicators, Dyes,
*Vanadium compounds, Complex compounds, Volumetric
analysis, Ethylenedinitrilo tetracetate.

Quinquevalent vanadium is displaced from its EDTA
complex by almost all ions which react with EDTA. The
liberated vanadium can then give color reactions with
many dyes, and this can be used to indicate the end-
point in a complexometric titration. Many indicator
systems can be devised on this basis, and the present
paper deals with systems containing vanadium^V, EDTA
and diphenylcarbazone, pyrocatechol violet, carminic
acid or morin. (Author)
(Chemistry--Analytical, TT, v. 10, no. 12)

63-18157

1. Title: Diphenylcarbazone
 2. Title: Pyrocatechol violet
 3. Title: Carminic acid
 4. Title: Morin
1. Sajo, I.

Office of Technical Services

Hydrocarbons and ...
D. ...
... pp 729-737.
KIC-71-1258-061

Nov 71

Tashkent, An Industrial and Transportation
Center, by T. Rainov.
RUSSIAN, per, No 213, 1963, pp 97-110.
*ACSI I15907
ID 2213126564

USSR
Icon
Mar 65

General Industrial Survey of Seventeen Industries
for Vietnam.

VIETNAMESE, pamphlets, Technical Aids Branch Office
of Industrial Resources International Cooperation
Administration, Washington 25, DC. CIA 9036646-C
Reel 657.

NIE Tr No 185

FE - Vietnam
Eccz - Industries
Mar 59

84,246

Comparison of Vehicles on Basis of Output Figures
With Dimensions. BY W. RAU.

GERMAN, per, Technical Automobile News, No 2,
Feb 1953.

ATIC F-TS-~~217~~ 8127

WEur - Germany

3484

217 1608171

The Phonetic Type Sonograph or Phonetograph.
UNCLASSIFIED

FRENCH, Technical Bulletin PTT, Vol XXX, No 12, 1952,
pp 363-379.

ATIC F-TS-8203

Scientific - Electronics

9095

Jan 54 CTS

Project Planning Methods Part IV. (Conclusions),
by P. F. Reith, 12 pp.
DITCI, per, Technical Documentation &
Information Centre for the Dutch Armed
Forces, No 6, 1962, pp 163-175. 9227101
ACSIL/64/411

WHur - Netherlands
Mil
Apr 65

277,898

Highly Elevated Chariots and Elevators,
FRENCH, Per, Technical Information, No 2,
1965, pp 36-39.
*ACSI I-8757
ID 2204000566

Sci-Engr /elect
Jan 66

Orthostereomaps and Steromasics, by
Harri Leppanen.
FINNISH, per, Technical Journal, No 11,
1968.
Army Topographic Command
T4, T267

Sci-Ear Sci
June 69

384,475

DESCRIPTION OF WEST GERMAN NUCLEAR POWER PLANTS

LANGUAGE-NO COUNTRY-GW

TECHNICAL JOURNAL VOL 119 NO 16 APRIL 1972 PP
M3-M5

FSTC-HT-23-1476-73