

Vapayar, D. U.

Effect of equatorial Rossby waves on stationary currents  
OCEANIC ACADEMY OF SCIENCES, BOSTON, MASSACHUSETTS  
vol. 208, no. 4, 1973, pp. 3205-3212  
MIT

Varakin, G.

Development of Interkolkhoz Ties in Krasnodarskiy  
Kray.

9 pp

SOVETSKY DEPUTATOV TRUDYASHCHIKHSYA. Moscow, No 8,  
Aug 74, pp 24-30.

JPRS 63240

Varakin, G.

Ways of Ensuring Effectiveness in Interkolkhoz  
Cooperation Presented.

5 pp

EKONOMICHESKAYA GAZETA, Moscow, No 47, 1973, p 18.

JPRS 60941

Varakin, L.E.

Noise immunity of quasi-optimum non-coherent  
reception with time- and frequency-resynchroni-  
zation.

IZV. VUZ, RADIOELEKTRONIKA, Vol.16, No.7,  
pp.3-12, 1973.

~~APPROVED FOR RELEASE~~

APL/JHU T-2818

Varavka, V.

Lag at Chelyabinsk Road Machinery Plant Probed.  
6 pp

EKONOMICHESKAYA GAZETA. Moscow, No 28, July  
1973, p 15.  
JPRS 59699

Varavka, V.

Measures Advocated for Economy in Use of Water  
and Heat.

5 pp

EKONOMICHESKAYA GAZETA, Moscow, No 51, Dec 1973,  
p 17.

JPRS 60997

Development of a Television Transmission Net-  
work, by A. M. Varbanskiy, 5 pp.  
RUSSIAN, per: Vestnik Svyazi, Moscow, No 12  
Dec 1972, pp 24-25  
JPRS 58813

Apr 73

Varbanskiy, A. M.

Basic Trends of Technical Progress in Radio  
and Television Broadcasting, 11 pp.

VOENNA SVYAZI, Moscow, No 4, Apr 73, pp 16-21.  
JPRS 59457

Jul 73



Varbunyan, G. G.

Modern Conditions and Future of Sevan Lake.

17 PP

METEOROLOGIYA I GIDROLOGIYA, Moscow, No 10, 1973.

pp 94-103.

JPRS 60954

VARCHENKO, E.

RU

SIMPLE UNIVERSAL JOINTS IN DRIVE AXLES OF VAZ  
VEHICLES

AUTOMOBILN49 TRANSPORT NO. 9 1972 PP 38-9

FSTC-HT-23-1311-73 *Wilson*

Final Effort in Sugarcane Harvest Urged, by  
Juan Varola Perez. 5 pp.  
SPANISH, np. QZMMA, Havana, 18 May 1973, p 4.  
JPRS 59339

June 73

Varontsov, K. M.

Conference on the Scientific and Technological  
Revolution and Problems of the Developing  
Countries.

5 pp

VESTNIK AKADEMII NAUK SSSR, Moscow, No 9, Sept  
1973, pp 91-94.

JPRS 60661

VARENTSOV, V. K.  
// IZV. SIB. OTD. AKAD. NAUK. SSSR, SER KHIM,  
NAUK (USSR),//  
--/--/1973, V0002, N0004,  
Electral conductivity of ion exchange membranes  
and the inhomogeneity of their structure, 12 pp  
pp 3-8, NASA-TT-F-1533900

Parentsev, V. E.

Electrical conductivity of ion exchange membranes and

EXPERIMENTAL DATA ON THE ELECTRICAL CONDUCTIVITY

OF ION EXCHANGE MEMBRANES, No. 4, Issue 2, 1973,

pp. 3-8

WASA TT P-15,339

Varenyshev, B. Col.

Mine-Field Reconnaissance

VOYENNIYE ZNANIYA, No 10, 1972

DCIS/TRS 230

25 Mar 73

VARENYSHOEV. B.

//VOYENNYE ZNANIYA//

--/10/1972, V----, N0010

Reconnaissance of mines and explosive  
obstacles pp 8

pp 40-41 ARM/FSTC/HT-23-1574-74##



VARENYSHEV B.

RU

RECONNAISSANCE OF MINES & EXPLOSIVE OBSTACLES

VOYENNYE ZNANIYA NO. 10 OCT 1972 PP 40-41

FSTC-HT-23-1574-73

Varga, Andras

CEMA Energy System Examined, 6 pp.  
IFJUKOMMUNISTA, Budapest, No 12, Dec 73,  
pp 14-16.  
JPRS 61058

WARGA, D.

//TUDOMANYOS ES MESTIAKI TAJKOZTATAS//

--/---/1972, V---, NO 120.

The truth about machine translation, 16 pp.

pp 343-358, May-June 1972, AIR/FTD-NO-32-2298-74

DISTRIBUTION LIMITED TO U.S. GOV'T AGENCIES ONLY

(COPYRIGHT INFORMATION OTHER REQUEST MUST BE  
REFERRED TO FTD66)

Varga, Gyorgy

CEMA Countries' Economic Relations With  
West Discussed, 8 pp.

FIGYELO, Budapest, No 26, 27 Jun 73, p 4.

JPRS 59644

Sep 73

Varga, Gyorgy

'Figyelo' Discusses Transnational Companies,  
World Economy, 13 pp.  
FIGYELO, Budapest, No 50, 12 Dec 73, pp 8, 17;  
No 51, 19 Dec 73, pp 8, 17.  
JPRS 61160

Mar 74

Varga, Gyorgy

Advantages of Joint Stock Foreign-Trade  
Companies Weighed, 5 pp.  
NEPSZABADSAG, Budapest, 14 Nov 73, p 10.  
JPRS 60777

Dec 73

Varga, Peter

Party Control of Councils Clarified, 10 pp.  
TARSADALMI SZEMLE, Budapest, No 12, Dec 73,  
pp 47-54.  
JPRS 61104

Mar 74

Warga, S.

Radioisotope x-ray fluorescence analysis. Part 1.  
Excitation of x-ray fluorescence radiation by nuclear  
irradiation.

CHEMISCHE LISTE, Vol. 64, 1970, pp 1253-1265  
NYC 73-13395-10L



Varga, S.

Radioisotope x-ray fluorescence analysis. Part 3.  
Examples of application in practice.  
CHEMICAL LISTI, Vol 65, 1971, pp 113-117  
ITC 75-11004-302

Varga, S.

Radiomulide x-ray fluorescence analysis. Part 2.  
Detection of the x-ray fluorescence radiation excited  
by radiomulide radiation.

CHEMICAL LISTI, Vol 85, 1971, pp 28-44

RFC 75-22003-20H

Varga, Z. E.

Temperature of grassy and rolled soils.

INDOJARAS, Vol 67, 1963, pp 178-179

ITC 75-18390-08H

VARGAFTIK, N.B.

//UNKNOWN//

--/--/1972,V----,N----

Handbook of Thermophysical Properties of  
Gases and Liquids,

C/C, Second Augmented and Revised Edition

\*Scripta Book Company-- Letter 31 May 1974--

GOVERNMENT USE ONLY

Vargaftik, V. N.

Possibility of Obtaining a High-Quality Image During  
Illumination by Coherent Laser Radiation.

10 pp

VOPROSY RADIOELEKTRONIKI. NAUCHNO-TEKHNICHESKIY  
SBORNIK. SERIYA OBSHCHETEKHNICHESKAYA, Moscow,

No 5, 1968, pp 17-23.

JPRS/L 5110

Vargin, V.V.

A Study of the Crystallization of Titanium Dioxide in Enamel.

Tr. Leningr. Tekhnol. Inst. im. Lensovet, No.

34, pp.38-44, 1955.

A.T.S. RJ-5297

Vargin, V.V.

The Problem of the Chemical Resistance of Titanium Enamels.

Tr. Leningr. Tekhnol. Inst. im. Lensovet, 1955

No. 34, pp.45-7.

A.T.S. RJ-5295

Vargin, V.V.

The Effect of Phosphorus Pentoxide on the Whiteness of Titania Enamel.

Zh. Prikl. Khim. Vol. 29, No. 2, pp.293-5, 1956

A.T.S. RJ-5296



Vargin, V.V.

The Electrical Conductivity of Crystallized Silicate Glasses.

Zh. Prikl. Khim. Vol. 29, pp.1749-53, 1956.

A.T.S. RJ-5292

Varholik, Juraĵ

Varholik Discusses Role of Youth in Socialist  
Society, 9 pp.

ZIVOT STRANY, Prague, No 15, Jul 74, pp 34-37.

JPRS 62831

Nov 74

Variakojyte, A. et al

Anomalous Change in the Electrical Conductivity of Germanium in Strong Electric Fields Under Conditions of Transverse Anisotropy.

1.12, Vol. 6, No. 3, pp.427-9, 1966.

A.T.S. RJ-5259

Lietuvos Fiz. Rinkinys, Lietuvos TSR Mosklu Akad., Lietuvos TSR Aukstosios Mokyklos.

Varilov, Ye. N.

Use of the theory of discrete automata for the  
analysis of multiplication methods in a digital  
computer with the use of additional shift circuits

10 pp

INFORMATIKA, nr. 3, 1971

AIR/PTD-22-23-315-74

Varlamov, K.

Production and Exploration Problems in Siasan'.

9 pp

VYSHKA, Baku, 31 Jul 74, p 2.

JPRS 62952

Varlanov, K.

Thermal Drive to be Used More at Old Oil Fields.

5 PP

VYSEKA, Baku, 18 Jul 74, p 2.

JPRS 62825

Varlamov, K.

Exhausting of the Old Oil Deposits at Bibi-  
Eybatsk, 5 pp.

VYSHKA, Baku, 21 Jun 73, p 2.

JPRS 59518

Jul 73

Varlanov, K.

New Book on Scientific and Technological Revolution Reviewed.

13 pp

ZNANIYA, Moscow, Nov 1973, pp 242-249.

JPRS 60781



Varlamov, P.S. et al

Wellhead Equipment for Work with a Formation  
Tester.

BURENIE, 1972, No.7, pp.27-30.

A.T.S. R06GB 966

VARLAMOV, V.

//PLANOVOYE KHOZYAYSTVO//

--/--/1974,V----,NO010, pp 0053-0062

Territorial-Production Complex Formed in Western  
Siberia 13 pp

JPRS 63721

#

VARMUZA, K.  
//MONATSHEFTE FÜR CHEMIE//  
--/--/1978, V0105, N----  
No English title  
-- 1-10, \*EPA TR 490-7400

Marija Varnai-Knezevic  
Applying a Matrix Model in Planning in an  
Enterprise  
TEHNIKA-ORGANIZACIJA RADA, 1969, No. 7,  
pp 126-133  
FTIC-NY-23-127-72

Varoquaux, J.A.

Future Prospects for European Iron Ores.

REV DES INGENIEURS, 1973, Vol.26, No.231, Sept/  
Oct., 11-19.

BISI 12161

VAROUFAKIS. G. J.

//ARCH. EISENH//

--/--/1970, V0041, N0011

Examinations carried out on three iron spear-  
heads of the 7th and 6th centuries BC

pp 1023-1026 \*BISI 12591##

Varsanyi, Laszlo

The Construction of Station Buildings on the  
Main Railway from Hatvan to Miskolc

VASUT, No 10, 1972 pp 9-10

TF4, V 34, No 10  
(DMA-Topographic Center)

VARSHAVSKIY, D.S

RU

EFFECT OF COMPRESSION FACTOR ON SERVICE LIFE  
OF POWER CAPACITORS

IZV. VYS. UCHEB. ZAVED., ELEKTOMEKHAN. #3, 19  
71, 328-31

FSTC-HT-23-1870-73



D. S. Varshavski

Condenser overload capacities for higher  
(harmonic) frequencies

ELEKTRICHESTVO, No. 5, pp. 90-91 (1970)

C. E. Trans. 6194

CONCERNING THE STUDY OF THE PROFESSIONAL STRU  
CTURE OF R & D STAFF

*complete 13 pgs*

AUTHOR ----- VARSHAVSKIY, K.

NAUKOVED. I INFORMATIKA. RESP. MEZHVED. SB. 1  
972, ISSUE 5, 90-98

FSTC-HT-23-0222-74

MANAGERS IN SCIENCE

*complete 25 pp*

AUTHOR ----- VARSHAVSKIY, K.

NAUKOVED I INFORMATIKA. RESP. MEZHVED. SB." #  
6, 1972, PP 12-23

FSTC-HT-23-0220-~~73~~ 74

Varshavskii, Ya.M

General Laws Governing Thermodynamic Isotope Effects  
in Tritium-Protium Exchange 13 pp

Proceedings of the Symposium, 1961, Vol 1, pp 169-177  
Tritium in the Physical and  
Biological Sciences  
IAEA

Vartanov, S. Kh.

The BM-802S Crane Drill

5 pp

STROITEL'NIYE I DOROZHNIYE MASHINY, No 9, 1971  
pp 12-14

FSTC-HT-23-1785-72

VARTANYAN, A. T.  
//DOKLADY AKADEMII NAUK SSSR, PHYSICAL CHEMISTRY//  
--/12/1973, V0213, N0004,  
Violanthrone and Pyranthrone as Photosemiconductors,  
pp 863-866, USSR

VARTANYAN, G., RU

ON THE THEORY OF MEAT CUTTING, DYNAMICS OF CHANGES IN WATER-BINDING CAPACITY OF

MYASNAYA INDUSTRIYA SSSR, #2(FEB)/1973, PP. 38-39.

FSTC-HT-23-0537-74

Vartan'yan, N. V.

Scientific and Technical Conference of the  
Institute of Electromechanics.

ELEKTROTEKHNIKA, No. 10, 1970, pp.58-60.

FSTC-HT-23-1581-71



Vartbaronov, R. A.

Investigation of the Possibility of Increasing  
The Noise Immunity of Unipolar Chest Leads.

7 pp

KOSMICHESKAYA BIOLOGIYA I MEDITSINA, Moscow,

Vol 7, No 5, Sept-Oct 1973, pp 85-90.

JPRS 60471

Varvarin, G.B. et al

Double-Beam Down-Hole Gamma-Gamma Density  
Meter.

GEOL. I GEOFIZ., AKAD. NAUK SSSR, SIBIRSK.

OTD. 1967, No. 6, pp.89-97.

A.T.S. RJ-5321

VANVANOY, H.  
// "LUNA--NAUCHNAYA STANZIYA," IN SUD'NOY KONTINGENT //  
--/--/1973, V-----, H-----,  
The Moon--A Science Station,  
pp 225-274, "NASA TT F-1577500

VARVASHYAN, V. M.

//KOSMICHESKAYA BIOLOGIYA I AVIAKOSMICHESKAYA  
MEDITSINA//

--/--/1974, V0008, N0005, pp 0039-0041

Activity of Blood Enzymes in Rabbits Exposed to  
High-Mountain Hypoxia. 3 pp

JPRS 63603

†

Vasek, M.  
Further Development of Creep Testing Machine of  
the VZKG System.  
STROJIRENSTVI, 1973, 23, (1), pp 53-57

BISI 11401

July 1973

P. V. VaseL'ye v

Effect on the Organism of Long Term  
Linear and Radial Accelerations. By  
P.V. VaseL'ye v.

VLIYANIYE NA ORGANIZM DЛИTEL'NYKH  
LINIYNYKH I RADIAL'NYKH USKORENIY,  
Vol 2, Part 3, Chapter 2 of Osnovy  
Kosmicheskoy Biologii i Meditsiny 1973,  
137 pp.

\*NASA TT F 14,841

Aug 73

Vasev, Slavcho

Balkan Community and Peace Discussed, 12 pp.  
MEZHODUARNODNI OTNOSHENIYA, Sofia, No 3, 1973,  
pp 84-93.  
JPRS 60439

Nov 73

Vashanov, V.

Better Use of Nonagricultural Land Urged.

6 pp

ПЛАНОВОЕ ХОЗЯЙСТВО, Moscow, No 5, 1974, pp 129-133.

JPRS 62740



Vashchilov, Yu.Ya.

Some Structural Features of the Antarctic Ocean  
and of Antarctica According to Gravimetric Data

ANTARKTIKA No 11, 1972 pp 73-83

•DMAAC 13 Dec 73

TC-1993

Vashedchenko, V. V.

White House Press Arrangements.

10 pp

USA: ECONOMICS, POLITICS, IDEOLOGY, Moscow,

No 7, July 1973, pp 121-127.

JPRS 59896

Vashkevich, I.

Complaint Regarding Housing for Reserve Officers.

5 pp

KRASNAYA ZVEZDA, Moscow, 5 Mar 1974, p 4.

JPRS 61842

VASHKOV, V. I.

Sterilization by Chemical Agents.

TSENTRALNYI NAUCHNO-ISSLEDOVATELSKII DEZINFETSIONNYI  
INSTITUT. TRUDY, vol. 18, no. 1, pp. 29-35, 1967

NTC 73-10314-060

March 73

18-Sep-74

Uncl (JPRS--62553, pp 145-147) Thermal tolerance of  
blood serum in dogs subjected to combined exposure to x  
radiation and reduced barometric pressure. VASHUK, A.A.  
24 Jul 1974. Translated from Kosm. Biol.  
Aviakosmicheskaya Med.; 8: No. 3, 88-90(1974).

NSA

Vashuk, A. A.

Thermal Tolerance of Blood Serum in Dogs Subjected  
to Combined Exposure to X-Radiation and Reduced  
Barometric Pressure.

3 pp

KOSMICHESKAYA BIOLOGIYA I AVIAKOSMICHESKAYA  
MEDITSINA. Moscow, Vol 8, No 3, 1974, pp 88-90.  
JPRS 62553

Vasic, Miso

Commentary on Belgrade University Communist  
Organization, 7 pp.

TRIBUNA, Ljubljana, 14 May 73, pp 8-9.

JPRS 59866

900 73

I. T. Vasilchenko

A note on *Medicago falcata* from Iran.

AKADEMIYA NAUK SSSR. BOTANICHESKIY INSTITUT. NOVOSTI  
SISTEMATIKI NIZSHIKH RASTENIY, Vol 2, 1965, pp 48-51  
NTC 73-10471-06C

may 73



Vasilenko, M.

Winter Wheat Irrigation Techniques Discussed,  
3 pp.

Ekonomika Sel'skogo Khozyaystva, Moscow,

No 6, Jun 73, pp 91-95.

JPRS 59583

Vasilenko, B. M.

Data to justify reducing the maximum permissible  
concentration of aniline in the air of working zones  
GIGIENA I SANITARIJA, n. 8, 1973, pp. 31-35  
HTC 72-13152-06J

Vasilenko, S. K.

Formation of complexes of mixed oligonucleotides and their alkylating 5'-derivatives with rRNA and alkalization in such complexes

DOKLADY AKADEMII NAUK SSSR, BIOKHIMIYA, vol. 212, no. 5, 1973, pp. 17-1227-1230

CB

24-Oct-74

Uncl (AEC-tr--7571, pp 116-124) Damaging effect of repeated external gamma irradiation in conjunction with local irradiation of the thyroid gland with radioactive <sup>131</sup>I considering long-term consequences. VASILENKO, I.YA.; KLASSOVSKII, YU.A.; KRASNOKUTSKII, V.M.; KAGANOV, V.M.; LAGUN, M.A.; MILOSERDOV, A.P.; IL'CHENKO, E.F. (Inst. of Biophysics, Moscow). Aug 1974. Translated from Radiobiologiya; 14: No. 2, 251-256(1974).

NSA

Vasilenko, Yu

Computer Program Availability for Economic Research described.

6 pp

EKONOMIKA SOVETSKOY UKRAINY, Kiev, No 11, 1973,

pp 86-89.

JPRS 61115

Vasilescu, Marinaohe

Changes in Utilization of Labor Force Analyzed,  
9 pp.

REVISTA ECONOMICA, Bucharest, No 9, 16 Aug 74,

pp 9-11.

JPRS 63243

Nov 74

Vasilets, I. M.

Quaternary structure (subunit composition) of  
human ceruloplasmin.

DOKLADY AKADEMII NAUK SSSR, Biochemistry, Vol. 208,  
No. 3, January 1973, pp 729-732

CB

VASIL'YEV, A. V.  
//IZVESTIYA VUZ KHIM I KHIM, TEKHNOL//  
---/1970, V0013, N0003, pp 0318-0321  
Effect of Certain Additives on Critical  
Diameter and Combustion Rates of Mixtures of  
Aluminum with Gelled Water, 7 pp  
ARM/FSTC/HT-23-1509-73 ##



VASILEV, B. N.

//СОЛНЕЧНО-ЗЕМНАЯ ФИЗИКА//

--/--/1972, V---, N0003, pp 0003-0024

Investigation of the sun's spectrum in the  
1.8-20 Å range from Measurement data on the  
"interkosmos-4" and the "vertikal-1" and  
"vertikal'-2"

HTC 74-13602-038

#

МННН Vasil'ev, B.N.

Investigation of the Sun's Spectrum in the  
1.8 - 20 Å Range from Measurement Data on  
the "Interkosmos-4" - - - 8 pp

SOLNECHNO-ZEMNAIA FIZIKA, No 3, 1972, pp 3-14

CIA-X-7882

Vinilov, G. A.

*Colombian treatment of Irocoenia.*

*CHACOCOLITA, NOBON, Vol. 51, No 3, 1973, pp 43-45*

*RC 72-14867-068*

Vasilev, Krum

Problems of Printed Propaganda Discussed, 9 pp.  
NOVO VREME, Sofia, No 4, Apr 74, pp 56-62.  
JPRS 62322

Sen 74

5-Feb-74

Uncl (JPRS--60945) Preliminary results of studying  
the plasma near the moon. VASIL'EV, M.B.; VYSHLOV,  
A.S.; KOLOSOV, M.A.; SAVICH, N.A.; SAMOVOL, V.A.;  
SAMOZNAEV, L.N.; SIDORENKO, A.I.; SHTERN, D.YA.  
Translated from Dokl. Akad. Nauk SSSR; 212: No. 1, 67-  
70(1973). 5p. NTIS.

201 physics (plasma); translations  
NN-20 NP NSA

VASILEV, N. A.

//PROIZZODSPZO SHERSTI I BARANINY V TONKORUNNON  
I POLUTONKORUNNON OVTSEKODSTVE, //

--/--/1969, V----, N----

Production of fine wool and mutton in raising  
fine wool and

ppl-272 \*NTIS-TT-74-5339000

VASIL'EV, N. G.  
//DOKLADY AKADEMII NAUK SSSR, PHYSICAL CHEMISTRY//  
--/12/1973, V0213, N0005,  
Nonstoichiometric Substitutions in the Structures  
of Layer Silicates,  
pp 1113-1116, C888

Vasilev, Stefan

Status of Bulgarian Arts Criticized, Defended,  
17 pp.

RABOTNICHESKO DELO, Sofia, 7 Mar 74, pp 3-4.  
JPRS 61778

Jun 74



Vasilov, V.

Space transport vehicles: Purpose, requirements and problems

AVIATSIYA I KOSMONAVTIKA, n. 6, 1972, pp. 38-39

NTC 73-13191-228

NTIS n72-26883

Vasil'eva, E.N.

Mineral Composition of the Muscular Tissue in  
Meat and Verification of the Correlation Between  
the Level of Mineral Elements and Protein in  
the Tissue 7 pp

VOPROSY PITANIYA, Vol 21, No 2, 1962, pp 56-60

NTIS-TT-72-51076

AVAILABLE LY/SER

Vasilova, E. V.

The effect of the autoimmunity process, directed against  
cardiac tissue in experimental berylliosis

GIGIENA TRUDA I PROFESSIONALNYE ZABOLEVANIYA, v. 15,

n. 3, 1971, pp. 54-55

RFC 73-12964-08J

Vasilova, E. V.

Changes in the antigenic composition of the lungs in  
experimental beryllicosis

BYULLETEN KSPERIMENTALNOY BIOLOGII I MEDITSINY, n. 2,  
1978, pp. 98-100

HTC 73-12887-08J

Vasil'eva, L. M.

Effect of mineral impurities and oxygen adsorption  
on the EPR spectra of pyrolyzed oils

DOKLADY AKADEMII NAUK SSSR, FIZIKAL'KHO-KHIMICHESKIE

V. 212, no. 6, 1973, 1360-1363

CB

Vasil'eva, T. G.

Characteristics of molecular-weight parameters of  
the highly active, high-molecular-weight component of the  
endotoxins of salmonella paratyphi B, according to  
light-dispersal and electron-microscope data

VOSELYADY AKADEMII NAUK SSSR, BIOLOGICAL SCIENCES, v. 211  
no. 3, 1978, pp711-713

(B)

VASIL'EVA, T. M.

//ZHURNAL PRIKLADNOI KHIMII, //

--/01/1974, V0047, N0001,

Determination of acid groups in lignine bt  
high frequency titration,  
pp 166-169, CB00