

Effect of Concentrations of Various Medium
Components on the Growth and Nitrogen-Fixation of
Bluish-Green Algae, by Mokhamed Samakh Talha, 12pp.

RUSSIAN, per, Mikrobiologiya, Vol XXXII, No 4, 1963
9690033.

FTD-TT-63-1016
CB (6pp)

Sci - Biol & Med Sci
Jan 64

246, 164

A. D. Takhakaya: Seismic activity and the work
done by the Caucasian seismic stations in 1954-55,
6 pp.

**RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 6,
1957, pp 785-788.**

Pergamon Inst

Sci - Geophys

Apr 59

85,645

Separation of Isotopes of Light Elements by
Diffusion in Vapors, by I. G. Gveritsiteli,
V. K. Takhakaia, 6 p.

RUSSIAN, bk, Proceedings of the First All-
Union Conference on Radiation Chemistry
Production of Isotopes, 1957, 9048095-C
pp 113-119,

Consultants Bureau

Sci - Chem

Apr 60

114,533

NY-6592

MODEL COMMUNICATION SERVICE FOR TSELINYY
(VIRGIN LAND) KRAY, BY I. G. TAKHMAN, 8 PP.

RUSSIAN, PER, VESTNIK SVYAZI, NO 6, 1961.

JPRS 9956

SCI

NOV 61

173,130

GELLER, W.
TAK-HO-SUN.

Archiv Eisenhüttenwesen, vol. 17, Nos. 7-8,
1 figure, 2 tables, 4300 words; 1944.

Determination of Hydrogen and Oxygen in Molten
Steel.

Brutcher Trans, Order No. 1693, \$ 6.45.

A-3037

GELLER, WERNER
TAK-HO-SUN.

Archiv Fur Das Eisenhüttenwesen, vol. 21, 1950,
Nos. 11-12, pp.423-430; 7 figures, 2 tables,
8200 words.

Influence of Alloying Additions upon Diffusion
of Hydrogen in Iron and Contribution to the
Iron-Hydrogen System.

Brutcher Trans., Order No. 2680, \$15.75

A-3040

(S-1370)

Soviet Nationalists in Vietnam, by A. B. Isakhanov,
A. B.

RUSSIAN, per, Vest Ak Nauk SSSR, no 4, 1961,
pp 107-110

JPRS 11373

Sci - Biol

Jan 62

178,445

(SF-1954)

Soviet Botanists in Vietnam, by A. L. Takhtadzhyan,
5 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 4, 1961,
pp 107-110.

JPRS 10769

Sci - Biol

174, 777

Dec 61

Origins of Angiospermous Plants, by A. L. Takhtajan,
63 pp.

RUSSIAN, bk.

ATBS

Sci - Biol

179,048

Jan 62

50
Foundations of Evolutionary Morphology of
the Angiosperms, by A. L. Takhtajan,
~~AGOSTINI, 1964, 230pp.~~ RUSSIAN, R.F. 1964
*CPSTI TT 67-59016
230pp.

A. L. Takhtajan

sci-51ps
Mar 67

320,205

Essays on the Evolutionary Morphology of Plants, by
A. L. Takhtajan, 139 pp.

RUSSIAN, bk,

AIBS

179,045

Sci - Biol

Jan 62

APPROVED FOR RELEASE: 2005/08/10 CIA-RDP91-00929R000100030043-1

Origins of Angiospermous Plants, by A. L. Takhtayan,
68 pp.

RUSSIAN.

AIBS

Feb 61

APPROVED FOR RELEASE: 2005/08/10 CIA-RDP91-00929R000100030043-1

Essays on the Evolutionary Morphology of Plants,
by A. L. Takhtayan, 144 pp.

RUSSIAN.

AIBS

Feb 61

Laboratory Tests for the Determination of the
Coefficient of Thermal Expansion of Concrete, by
S. G. Takhtamyshv, 11 pp.

RUSSIAN, bk, Ispytan'ye Dnepr Plotiny, Moscos/
Leningrad, 1937.

Sci Tr Center RT-2648

Scientific - Engineering
Dec 55 CTS/DEX

Dept of Interior
TC 823 - A358 - To 260 28,971

Study of Microhardness of Certain Semiconductors
With the Zinc Blende Structure, by A. S. Borshchevskiy,
N. A. Goryunova, N. K. Takhtareva, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVII, No 7, 1957,
pp 1408-1413.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol IX, No 7

Sci - Phys

May 58

64,253

Corrosion of Metallic Materials in Aqueous Solutions ²⁰
of Fluorides at High Temperatures, by
E. I. Antonovskaya, L. V. Tikhonova.
RUSSIAN, per, Zhur Prii Khim., Vol XXXV, ~~1962~~
1962.
ERDL, Ft Belvoir T-1715
(AD - 484879)

Sci - Chem, Phys
Oct 64

267,621

Essays on the Evolutionary Morphology of Plants,
by A. L. Seleznevskii.

RUSSIAN, in, Voprosy Evolyutsionnoy Morfologi
Rosteni.

Amst Inst of Biol Sci
\$5.00

Sci - Biol

DCS 100 T. 1000

Jun 59

88,961

Origins of Angiospermous Plants, by A. J.
Forsk. 1842, 63 pp.

RUSSIAN, bk, Voprosy Evolyutsionnoy Botaniki
Sobremenn.

Amer Inst of Biol Sci
\$3.00

Sci- Biol

Jun 59

88,960

I. Taki

Study of Chloro-Biphenyl Poisoning of Pregnant
Women and Their Fetuses.

JAPANESE, per, Fukuoka Igaku Zasshi, Vol 60,
1969, pp 471-474
NTC 72-13134-06T

sept 72

Elementary Analysis of Nitrogen by the Strong
Phosphoric Acid-Potassium Iodate Method and the
Dumas Method-Some Information Obtained by Use of
the Mass Spectrometer, by Shigeru Ohashi, Yuji
Takayama, Sachiko Taki, Hiroshi Toya, 16 pp.

JAPANESE, per, Bunseki Kagaku, Vol VII, 1958,
pp 205-210.

AEC tr-3848

Sci - Chem
Jan 60

104,899

69
PCM Codes which Decrease Phase Jitter, by
Y. Taki, T. Kaneko,
JAPANESE, per, Sojo Shikensho heimo, Vol
XXIII, No 1, 1964, pp 40-47.
ADB JS-116

Y. Taki

Sci-electr
Apr 67

324,815

Synthesis of Cyanine Dyes Tagged by an Isotope
(II), by Y. Taki, Y. Tobino.

JAPANESE, *Per*, Reports of the Institute of
Physical and Chemical Research, Vol XXXV,
No 4, 1959, pp 269-275.

GB/131/T-5109

Sci-Chem
May 63

232,145

Noise Figure of Very-High-Frequency Receiver, by
Yasuo Taki, Jun Tamiya, 25 p.

JAPANESE, per, Denki Tsushin Gakkai Zasshi, 1950,
Vol XXXIII, No 6, pp 305-312.

SLA 59-17795

Sci
Feb 60
Vol 2, No 9

107,079

Emission of High-Energy α Particles From Proton-
Induced Nuclear Interactions, by Zh. S. Takibayev,
E. V. Shalagina, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI, No 6,
1961, pp 1347-1349.

AIP
Sov Phys-Dok
Vol VI, No 12

Sci
Jun 62

200,959

Distribution of the Transverse Momentum of
Shower Particles in Jets, by E.G. Boos, Zh.S.
Taki baev, 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXXVIII, No 4, 1960, pp 1276-1284.

AIP
Sov Phys - JETP
Vol XI, No 4

Sci
Nov 60

132.891

Analysis of Cosmic-Ray Showers Produced by High-Energy Primary Particles Based on the Excited Nucleon Model, by L. A. San'ko, Zh. S. Takibayev, and P. A. Usik, 5 pp.

RUSSIAN, per Zhur Eksper i Teoret Fiz, Vol XLI, No 1, 1961, pp 139-145.

AIP
Sov Phys - JETP
Vol XIV, No 1

Sci

188, 138

Mar 62

Concerning the Role of Antinucleons and Mesons
in Secondary Interactions in the High-Energy
Region, by Zh. Takibayev, 3 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 1,
1959, pp 67-.

Amer Inst of Phy
Sov Phys-Doklady
Vol IV, No 4

Sci MAR 60

110.022

RESULTS OF SCIENTIFIC ACTIVITY OF THE INSTITUTE
OF THE DEPARTMENT OF PHYSICO-MATHEMATICAL
SCIENCES FOR 1962 AND THE NEXT YEARS, BY
ZH. S. TAKHAYEV, 7 PP.

RUSSIAN, PER. VESTI ANNO KAZANI SER. NO 4,
1963, PP 25-31.

PPS 20400

SCI - MISC
AUG 63

831,711

A Magnetic Trap for Colliding Beams, by
Zh. S. Takibayev, 14 pp.

RUSSIAN, bk, Ak Nauk Kazakhskoy SSR, Trudy Inst
Yadernoy Fiz, Vol V, Alma-Ata, 1962, Fiz Chastits
Vysokikh Energiy, Struktura Yadra, pp 147-154.
9668317

FTD-TT-62-1901

Sci-Phys
Apr 63

229,402

Analysis of showers produced by energetic cosmic ray particles, according to the excited nucleon model, by L.A. San'ko, Zh.S. Takibaev, 9pp.

RUSSIAN, Per, Iz Ak Nauk SSSR, Seriya Fiz, Vol XXVI, No 5, 1962, pp 604-612.

CTT

Sci

233,598

May 63

Showers produced by nuclei with energies $\geq 5.10^{10}$ eV
per nucleon, by A.A. Loktionov, Zh.S. Takibayev, 8pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Seriya Fiz, Vol XXVI,
No 5, 1962, pp 596-603.

CTT

Sci

233,596

May 63

Measurement of Multiple Scattering on Tracks of
Protons With an Energy of ~ 10 Bev, by
I. Ya. Chasnikov, Zh. S. Takibayev, et al, 5 pp.

RUSSIAN, per, Priroda i Tekhnika, No 5, 1960,
pp 15-19.

ISA

Sci
APR 22 Jun 62

200,090

Study of Three-Prong Stars Produced in Nuclear E
Emulsion by Inelastic pn Interactions at 9 BeKv,
by V. A. Botvin, ~~Th.~~ S. Takibayev, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLI,
No 4, 1961, pp 993-1002.

~~XXX~~

AIP

Sov Phys - JETP

Vol XIV, No 4.

202,731

Sci

Jul 62

Angular Distribution of Shower Particles in Stars
Produced by High-Energy Particles by L. A. Saa'ko,
Zh. S. Takibayev, Ts. I. Shakhova, and L. Ye. Balata,
6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVII(10),
No 1, 1960, pp 3-10.

Amer Inst of Phys
Sov Phys - JETP

Sol

Feb 60

108,023

Energy Spectrum of Mesons from Nuclear Disintegrations Produced by 9-Bev Protons, by Yu. I. Lukin, Zh. S. Takibayev, E. V. Shalagina, 3pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII, No 4, 1960, pp 1074-1077.

AIP
Sov Phys - JETP
Vol XI, No 4

Sci
Nov 60

132,865

Evaluation of the Energy of Relativistic Particles
by Measuring Multiple Coulomb Scattering, by I. Ya.
Chasnikov, Zh. S. Takibayev, E. G. Boos, 4 pp.

RUSSIAN, per, Pribery i Tekh Eksp, No 1, 1959,
pp 54-56.

Instru Soc of Amer

Sci

Apr 60

114,077

Production of Pions by High-Energy Cosmic-Ray
Alpha Particles, by A. A. Loktyonov, Zh. S.
Takibayev, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVI
(9), No 6, 1959, pp 1697-1702.

Amer Inst of Phys
Sov Phys-JETP

Sci

Jan 60

106,785

The Relation Between the Number of Shower
Particles and the Atomic Number of a Disin-
tegrating Nucleus, by Zh. S. Takibayev, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
CXIV, No 5, 1957, pp 980-983.

Amer Inst of Phys
Sov Phys, "Doklady"
Vol II, No 3

Sci - Phys

59, 577

Mar 58

Investigation of the Angular Distribution of Secondary ^{NY}
Particles in Showers Produced by High-Energy Nucleons
by L. A. San'ko, Zh. S. Zakibayev, Ts. I. Shakhova,
7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXV,
No 3(9), 1958, pp 574-583.

Amer Inst of Phys
Sov Phys - JETP
Vol VIII (35), No 3

Sci - Phys

Apr 59

83,879

Explanation of the Transition Effect for the
"Stars" in the Stratosphere, by Zh. S. Takibzadev,
5 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXX,
No 4, 1956, pp 713-718.

Amer Inst of Physics
Soviet Physics, JETP
Vol III, No 4

Sci - Physics
Apr 57 CTS

46,765

The Transition Effect for Stars and its Connection
With Cascade Multiplication of Particles of the
Nucleonic Component, by Zh. S. Takibayev, ^A pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Sr Fiz.
Vol XIX, No 6, 1955, pp 687-699.

⁶ Columbia Tech Tr

Sci - Physics
Apr 57 CTS

Avail Br 5 Lib

45,628

Investigation of a Shower Produced by a Singly-
Charged Particle of High Energy, --by E. G. Boos,
A. Kh. Vinit'skiy, Zh. S. Taibayev, I. Ya.
Chasnikov, 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXIV,
No 3, 1958, pp ~~622-631~~ 622-631.

Amer Inst of Phys
Sov Phys - JETP
Vol VII (34), No 3

Sci - Physics

Oct 58

75,395

Meson Formation in Pb, Cu and C Nuclei by
Cosmic Rays in the Stratosphere, by D. Kaipov,
Zh. Takibayev, 5 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXX,
No 3, 1956, pp 471-476.

Amer Inst of Physics
Soviet Physics, JETP
Vol III, No 3

Sci - Physics
Apr 57 CTS

46,599

On Pion Production by High-Energy Cosmic Rays,
by Zh. S. Takibayev, P. A. Usik, M. G. Antonova, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 2, Nov-Dec 1956, pp 341-

Amer Inst of Phys
Sov Physics "Doklady"
Vol I, No 6

Sci - Physics
Oct 57

53,412

Some Results of an Investigation of Nuclear
Disintegrations~~z~~ in W, Cu and Al Produced by Cosmic
Rays, by Zh. S. Takibayev, 4 pp.

Full tr

RUSSIAN, no par, Iz Ak Nauk, Ser Fiz, Vol XIX, No 5,
1955, pp 541-545.

Columbia Tech Tr

Sci - Physics
Dec 56 CTS

41, 791

Generation of Slow π -Mesons by Cosmic Ray
Particles, by D. K. Kaipov, Zh. S. Takibayev,
6 pp.

RUSSIAN, no per, Zhur Eksp'er i Teoret Fiz,
Vol XXXII, No ~~11~~, ~~Nov~~ 1957, pp 690-696.

4
Amer Inst of Phys
Sov Phys-JETP
Vol V, No 4

Sci - Physics
Jan 58

58,071

Transition Effects for Strongly Ionizing Particles
and "Stars" Registered by Photo-Emulsions in the
Stratosphere, by Zh. S. Takibayev. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXVIII, No 3, 1951, pp 457-459.

Scientific - Nuclear Physics

Navv Tr 817/NRL 358

Sep 53 CTS/DEK

5115

Anionic Polymerization of Aldehydes. Pt.IV.
Polymerization of Aldehydes with Sodium
Naphthalene Complex, by H.Takida and K.Noro.
JAPANESE, per, Kobunshi Kagaku, Vol.21, No.231,
pp.467-472, 1964.
SLA-TT-66-11321

CFSTI

H. Takida

Chem
Aug 66

308,951

An Investigation of the Magnetism of Metallic
Oxide Magnets, by K. Yagoro, Takie, Nobori, Hideo, T.
UNCLASSIFIED

JAPANESE

~~TRANSL~~, no per, Journal of the Japanese Chemical
Society, Vol 55, No 6, pp 584-589, 1934.

Bell Telephone Translation [✓] N MW L150

Scientific - Chemistry, magnets

A-10366

(309) Vinyl Acetate. Part 5. Utilization of Methyl Acetate and Sodium Acetate Produced as By-Products in the Manufacture of Polyvinyl Alcohol (PVA), by B. Takigawa, K. Goto, B. Sato, Y. Sato.

JAPANESE, per, J Chem Soc Japan, Ind Chem Sect, Vol LV, 1952, pp 650-652. C.A. 49, 1550e, 1955.

Assoc Tech Sv 3905J
ATS JJ-1016

Sci
Aug 58

70, 841

Effects of Various Weights of Zinc Acetate
Added to the Active Carbon on the Vinyl Acetate
Synthesis, by Toshi Takigawa.
JAPANESE, per, Kogyo Kagaku Zasshi, 1954, vol. 57,
no. 6, pp. 471-474.
SA 040

Toshi Takigawa

Mat/Metal
Aug 66

307,695

105
Introducing Special Products made by
Nippon Steel Works. A. Hot-dip Coated Steel
Sheets, by S. Takiguchi.
JAPANESE, per, Nippon Kokan Tech. Rept.,
No 30, 1964, pp 187-198.
BISI 4995

S Takiguchi

Sci-Materials
Oct 65

313,162

Takiguchi, Keiji and Nakamura, Yushiro.
THERMOPLASTIC HALOGENATED VINYL POLYMER
COMPOSITION CONTAINING COPOLYMER OF
STYRENE WITH ALKYL ACRYLATE. July 63, 8p.
Order from SA \$19.00 SA Code-P-207

Trans. of published Japanese patent 13864/1962,
cl. 25-H-351 (25-A-51) appl. no. 27575/1960 filed
13 June 60, pub. 13 Sep 62, by Mitsubishi Monsanto
Chemical Co., Ltd.

DESCRIPTORS: Thermoplastics, *Halocarbon plastics,
*Vinyl plastics, *Polyvinyl chloride, *Acrylic acid
esters, Ethyl radicals, *Polyvinyl alcohol, *Styrenes,
Vinyl radicals, *Acetates, Copolymerization.

(Materials--Plastics, IT, v. 10, no. 9)

63-22305

- I. Takiguchi, K.
- II. Nakamura, Y.
- III. Patent (Japan) pub.
37-13 864
- IV. SA Code-P-207
- V. Seizaburo Aoki (Japan)

63-22305

Office of Technical Services

70
Introducing Special Products Made by
Mizue Steel Works A. Hot-Dip Coated Steel
Sheet, by S. Takiguchi.
JAPANESE, per, Nippon Kohan Techn. Rep.,
No 30, 1964, pp 187-198.
*BISI 4995

S. Takiguchi

Sci-Materials
Sept 66

Reactions Between Diphenyldichlorosilane
and Some Inorganic Compounds, by T. Takiguchi,
6 pp.

JAPANESE, per, Kogyo Kagaku Zasshi,
Vol LXII, No 12, 1959, pp 1875-1876.

BAIS-9542J

ATS/JI - 3637

Sci
Vol IV, No 11
Jun 62

199,228

Non-Destructive Testing of Iron and Porcelain With
CO⁶⁰ and Betatron, by Tsunesaburo Asada,
Atsuchi Takahara, et al, 12 pp.

JAPANESE, rpt, ~~XXXXXX~~ Proceedings of the Fourth
Japan Conference on Radioisotopes, 1961, 1962,
pp 201, 202.

AEC-Tr-5635

Sci-Nucl Sci
July 63

238,035

Interaction of Steroidal Hormones With Serum Protein.
Report No. 3. Steroidal Hormones and Bovine Serum
Globulin, by H. Takikawa, 10 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LIXVIII, No 11,
1958, pp 1280-1285.

NIH 5-31-61

Sci - Med
Jul 61

159,566

Interaction of Steroidal Hormones with Serum
Protein. Report No 5. Physicochemical Pro-
perties of Protein Bound Steroids. (2).,
by H. Takikawa, 5 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXVIII,
No 11, 1958, pp 1291-1295.

NIH 2-31-62

191,469

Sci - Med

Apr 62

Interaction of Steroidal Hormones With Serum
Protein, by H. Takikawa, 15 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXVIII,
No 11, 1958, pp 1269-1274.

NIH 10-12-60

Sci - Med
Doc 60

133,913

Interaction of Steroidal Hormones With Serum Protein.
II. Steroidal Hormones and Bovine Serum Albumin,
by H. Takikawa,

JAPANESE, part, J Pharm Soc, Japan, Vol LXXVIII, No 11,
1958, pp 1274-1279.

ATS JJ-2279

Sci - Med.

May 60

115, 498

INTERACTION OF STEROIDAL HORMONE WITH SERUM
PROTEIN REPORT NO. VI PHYSIOCHEMICAL PROPERTIES OF
PROTEIN-BOUND STEROIDS PART (3), BY HIROO TAKIKAWA,
7 PP.

JAPANESE, PER, YAKUGAKU ZASSHI, VOL LXXVIII, NO 11,
1958, PP 1296-1301.

NIH 5-34-62

SCI - MED
AUG 62

207,922

Interaction of Steroidal Hormones With Serum
Proteins. VIII. Biological Properties of Protein-
Bound Steroids, by Hiroo Takikawa, 7 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXIX, No 6,
1959, pp 799-802.

SLA 60-10976

Sci

OTS, Vol III, No 6

Aug 60

126,823

Takimoto, Masayoshi and Yatsuo, Toru.
**SEPARATION AND DETERMINATION OF NON-
CYCLIC CYANAMIDE DERIVATIVE MIXTURES AND
EVALUATION OF PRACTICALIZATION THEREOF.**
Rept. no. 7 of Studies on Separation and Determination
Methods for Cyanamide Derivatives. [1961] 13p. 8 refs.
Order from SLA \$1.60 61-16520

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 11, p. 1941-1944.

DESCRIPTORS: *Cyanamides, Determination, Separation,
Colorimetric analysis.

Separations by ion-exchange resins and the colorimetric determination method were applied to various sample mixtures of the six types of non-cyclic cyanamide derivatives which are most common and which tend to co-exist most easily (viz., cyanamide, dicyandiamide, guanidine, biguanide, urea, and thiourea) and the (Chemistry--Analytical, TT, v. 6, no. 6) (over)

61-16520

I. Takimoto, M.
II. Yatsuo, T.
III. Title: Studies...

Office of Technical Services

Takimoto, Masayoshi.
AFFINITY OF CYANAMIDE DERIVATIVES FOR ION-
EXCHANGE RESINS. [1962] 15p. 12 refs.
Order from SLA \$1. 60 62-14962

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 12, p. 1702-1708.

DESCRIPTORS: *Cyanamides, Molecular structure,
Chromatographic analysis, *Ion exchange resins.

The strength of affinity of a total of about thirty
compounds, of cyanamide derivatives and resembling
compounds, toward cation- and anion-exchange resins
was measured by chromatography, and the relationship
between this and the chemical structure and dissociation
constant was studied. It was found as a result that the
tendency of affinity of the respective compounds toward
ion-exchange resins was more or less regular, based on
the affinity of their constituent radicals; that the affinity
(Chemistry--Analytical, TT, v. 9, no. 4) (over)

62-14962

I. Takimoto, M.

C227659

Office of Technical Services

Takimoto, Masayoshi.
SEPARATION OF MELAM AND MELEM, AND
THEIR SIMPLE DETERMINATION BY THE
SPECTROPHOTOMETRIC METHOD. Rept. no. 9 of
Studies on Separation [and] Determination methods
for Cyanamide Derivatives. [1962] 15p. 11 refs.
Order from SLA \$1.60 62-10684

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 8, p. 1452-1455.

DESCRIPTORS: *Cyanamides, *Melamine, *Melem,
Separation, *Ion exchange, Spectrographic analysis.

(Chemistry--Analytical, TT, v. 8, no. 11)

62-10684

1. Title: Melam
- I. Takimoto, M.
- II. Title: Studies...

0222100

Office of Technical Services

Takimoto, Masayoshi and Funakawa, Takayoshi.
STUDIES ON THE CHANGES UNDER HEATING OF
MELAM, MELEM, AND MELON UNDER ATMOS-
PHERIC PRESSURE AND SUPERATMOSPHERIC PRES-
SURE OF AMMONIA. Rept. 2 of Studies on the Poly-
condensation (Melaminization) [Reaction] of Dicyandia-
mide. [1963] 17p 4refs
Order from SLA \$1.60

TT-63-20695

Trans. of Kogyo Kagaku Zasshi (Japan) 1963, v. 66,
no. 6, p. 804-809. (Abstract available)

DESCRIPTORS: *Melamine, Synthesis (Chemistry),
*Cyanamides, Polymerization, Heat treatment, Ammonia,
Pressure, Calorimetry,

Melam, melem, and melon are formed from melamine
by deamination condensation, and conversely,
melamine is formed from these compounds by ammonia
addition reaction; in order to determine the conditions
(Chemistry--Organic, TT, v. 11, no. 3) (over)

TT-63-20695

1. Title: Dicyandiamide
 2. Title: Melam
 3. Title: Melem
 4. Title: Melon
- I. Takimoto, M.
 - II. Funakawa, T.
 - III. Title: Studies ...

1257910

Office of Technical Services

Takimoto, Masayoshi and Funakawa, Takayoshi.
STUDIES OF THE CHANGES UNDER HEATING OF
DICYANDIAMIDE AND MELAMINE BY THE USE OF
DIFFERENTIAL THERMAL ANALYSIS UNDER
ATMOSPHERIC AND SUPERATMOSPHERIC PRESSURE.
Rept. 1 of Studies on the Polycondensation (Melaminiza-
tion) Reaction of Dicyandiamide. [1963] 23p 8refs
Order from SLA \$2.60

TT-63-20696

Trans. of Kogyo Kagaku Zasshi (Japan) 1963, v. 66,
no. 6, p. 797-803. (Abstract available)

DESCRIPTORS: *Melamine, Synthesis (Chemistry),
*Cyanamides, Polymerization, Heat treatment, Calorim-
etry, Nitrogen, Ammonia, Pressure,

When dicyandiamide is heated at normal pressure or
under applied pressure, deammoniation condensation
products such as melam, melem, and melon form as
by-products besides melamine. In order to study the
(Chemistry--Organic, TT, v. 11, no. 3) (over)

TT-63-20696

1. Title: Dycandtamide
 2. Title: Melam
 3. Title: Melen
 4. Title: Melon
- I. Takimoto, M.
 - II. Funakawa, T.
 - III. Title: Studies ...

67911

Office of Technical Services

Takimoto, Masayoshi and Tawara, Masao.
A SIMPLE DETERMINATION METHOD FOR AMMO-
NIA IN CYANAMIDE DERIVATIVES BY MICRO-
DIFFUSION ANALYSIS. [1961] 5p. 7 refs.
Order from SLA \$1.10 61-16522

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 11, p. 2059-2060.

DESCRIPTORS: *Ammonia, Determination, *Cyan-
amides, Chemical analysis, Microanalysis, Diffusion

(Chemistry--Analytical, TT, v. 6, no. 6)

61-16522

I. Takimoto, M.
II. Tawara, M.

Office of Technical Services

Takimoto, Masayoshi and Koeda, Kikuo.
IDENTIFICATION OF CYANAMIDE DERIVATIVES
AND THEIR METHYLOL COMPOUNDS BY PAPER
CHROMATOGRAPHY. Rept. 1 of Studies on Separation
and Determination Methods for Cyanamide Derivatives
and rept. 1 of Studies on Condensates of Cyanamide
Derivatives with Formaldehyde. [1960] 12p. 7 refs.
Order from SLA mi\$2.40, ph\$3.30 60-18881

Trans. of Kogyo Kagaku Zasshi (Japan) 1960; v. 63,
no. 5, p. 797-799.

Color reactions are given for cyanimide, cyanourea,
nitroguanidine, dicyandiamide, thiourea, biuret, urea,
guanidine, biguanide, aminoguanidine, formamidine,
and dicyanoguanidine developed with the solvents
n-butanol: ethanol: water (4:1:2), and butanol: acetic
acid: pyridine: water (4:1:1:2) and reacted with sodium
nitroprusside-potassium ferricyanide, p-dimethyl
aminobenzaldehyde, and Tollens' reagent. The con-
densates of the reactions of cyanamide derivatives
(Chemistry--Analytical, TT, v. 5, no. 6) (over)

60-18881

1. Paper chromatography
2. Guanidines--Chroma-
tographic analysis
3. Urea derivatives--
Chromatographic analysis
- I. Takimoto, M.
- II. Koeda, K.
- III. Title: Studies on
separation...
- IV. Title: Studies on
condensates...

Office of Technical Services

Takimoto, Masayoshi and Sawada, Masaru.
COLORIMETRIC DETERMINATION OF GUANIDINE,
DICYANDIAMIDE, AND BIGUANIDE. Rept. 2 of Stud-
ies on Separation and Determination Methods for
Cyanamide Derivatives. [1960] 14p. 7 refs.
Order from SLA ml\$2. 40, ph\$3. 30 60-18882

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 5, p. 799-803.

Absorption spectra, effects of changes in reagent
composition, and the effect of pH of the sample solu-
tion were determined for the color reactions of di-
cyandiamide, guanidine, and biguanide with the rea-
gent sodium nitroprusside-potassium ferricyanide-
sodium hydroxide. Guanidine and biguanide were de-
termined within 1 to 10 µg/ml and dicyandiamide
within 5 to 50 µg/ml with a relative error of 1 to 2%.
(See also 60-18881)

(Chemistry--Analytical, TT, v. 5, no. 6)

60-18882

1. Colorimetry--Applications
 2. Guanidines--Colorimetric
analysis
 3. Biguanide--Colorimetric
analysis
 4. Cyanoguanidine--
Colorimetric analysis
- I. Takimoto, M.
 - II. Sawada, M.
 - III. Title: Studies...

Office of Technical Services

Takimoto, Masayoshi and Hirano, Hiroko.
A NEW COLORIMETRIC DETERMINATION METHOD
FOR THIOUREA AND AMMONIUM THIOCYANATE.
Rept. 4 of Studies on Separation and Determination
Methods for Cyanamide Derivatives. [1961] 12p. 8 refs.
Order from SLA \$1.60 61-10829

Trans. of Nihon Kagaku Zasshi (Japan) 1960, v. 81,
no. 9, p. 1414-1418.

DESCRIPTORS: *Thiourea, *Thiocyanates, Ammonium
radicals, *Cyanamides, Separation, Determination,
*Colorimetric analysis.

(Chemistry--Analytical, TT, v. 6, no. 1)

61-10829

I. Takimoto, M.
II. Hirano, H.
III. Title: Studies...

Office of Technical Services

Takimoto, Masayoshi.
DETERMINATION OF MELAMINE, AMMELINE,
AMMELIDE, AND CYANURIC ACID BY ION-EX-
CHANGE SEPARATION AND ULTRAVIOLET AB-
SORPTIOMETRY. Rept. 8 of Studies on Separation-
Determination Methods for Cyanamide Derivatives.
[1961] 17p.

Order from SLA \$1.60

62-10223

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 61,
no. 7, p. 1234-1238.

DESCRIPTORS: *Cyanamides, Amides, Cyanuric acid,
Acids, Melamine, Determination, Separation, Ion
exchange, Chromatographic analysis, Ultraviolet
spectroscopy.

Separations and determination of ammeline, ammeltide,
and cyanuric acid, which are formed by the hydrolysis
(Chemistry--Analytical, TT, v. 7, no. 9) (over)

62-10223

I. Takimoto, M.
II. Title: Studies ...

206000

Office of Technical Services

[Takimoto, Masayoshi and Hirano, Hiroko].
A NEW COLORIMETRIC DETERMINATION METHOD
FOR UREA. Rept. 5 of Studies on Separation and
Determination Methods for Cyanamide Derivatives.
[1961] 12p. 6 refs.
Order from SLA \$1.60 61-10828

Trans. of Nihon Kagaku Zasshi (Japan) 1960, v. 81,
no. 9, p. 1418-1421.

DESCRIPTORS: *Colorimetric analysis, *Urea,
Determination, Cyanamide, Separation.

(Chemistry--Analytical, TT, v. 6, no. 1)

61-10828

I. Takimoto, M.
II. Hirano, H.
III. Title: Studies...

Office of Technical Services

Takimoto, Masayoshi and Sawada, Masaru.
INVESTIGATION OF THE DETERMINATION OF
SEVERAL TYPES OF CYANAMIDE DERIVATIVES
OTHER THAN GUANIDINE, DICYANDIAMIDE, AND
BIGUANIDE. Rept. no. 3 of Studies on Separation and
Determination Methods for Cyanamide Derivatives;
[Paper] read in part at the Annual Conference of the
Chemical Society of Japan (no. 11) Apr 58. [1961] 10p.
10 refs.

Order from SLA \$1.10

61-10601

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 6, p. 967-970.

DESCRIPTORS: *Colorimetric analysis, *Cyanamide,
*Thiourea, *Urea, *Urea derivatives, Cyano radicals,
*Guanidines, Separation, Determination.

(Chemistry--Analytical, TT, v. 6, no. 1)

61-10601

- I. Takimoto, M.
- II. Sawada, M.
- III. Title: Annual...
- IV. Title: Studies...

Office of Technical Services

Elementary Analysis of Rocks and Soils by Fluorescent X-ray Spectrography (I) Qualitative Elemental Analysis and Construction of Briquettes for Quantitative Analysis, by Yasuo Takishima, JAPANESE, per. Nippon Bojyo-Igryugaku Zasshi, Vol 34, No 10, 1965, pp 371-375. F911830566
REC DML-ET-10048

132
Yasuo Takishima

Sci/Methods & Equipment
OCT 68

300,521

Takizawa, Akira.
DIFFUSION PHENOMENA IN WET-SPINNING OF VIS-
COSE FIBER. DIFFUSION-CONTROLLED REACTION.
Rept. 4 of Studies in the Wet-Spinning of Artificial
Fibers. [1962] [20]p. 12 refs.
Order from SLA \$1.60

62-14267

Trans. of Sen-i Gakkaishi (Japan), v. 16, no. 11,
p. 955-961.

DESCRIPTORS: Fibers, *Cellulose, *Viscose, Process-
ing, Diffusion, Theory, Sulfuric acid, Sodium com-
pounds, Hydroxides, Sulfates, Reaction kinetics.

Regenerating reaction of cellulose xanthate in wet spin-
ning of viscose fiber is an example of "diffusion-con-
trolled reaction" in high polymeric substances. In this
report, theoretical considerations for the reaction con-
trolled by mutual diffusion is undertaken, and resulting
(Materials--Textiles, TT, v. 9, no. 4) (over)

62-14267

I. Takizawa, A.
II. Title: Studies ...

C227647

Office of Technical Services

Studies on the Friction Mechanism of
Fibre Systems, by S. Kinoshita, T. Takizawa.

JAPANESE, per, Journal of the Society of
Textile and Cellulose Industries, Vol XV,
No 6, 1959, pp 455-460.

CSIRO

Sci - Engr
Jul 62

203,446

Interaction of Steroidal Hormone With Serum
Protein. VII. Infrared Spectra of Protein-
Bound Steroids, by Hiroo Takikawa, 8 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXIX, No 6,
1959, pp 794-799.

SLA 60-10972

Sci

NIH 7-36-62

OTS, Vol III, No 6

Aug 60

126,822

of Steroids: Hormones with Serum
Protein. Report No 4. Physicochemical Pro-
perties of Protein-Bound Steroids, by
T. Takikawa, 7 pp.

JAPANESE, per, Yakugaku Zasshi (Journal of the
Pharmaceutical Society of Japan), Vol LXXVIII,
No 11, 1958, pp 1285-1290.

NIH 9-6-61

178,807

108 M28
100 102

Takimoto, Masayoshi.
INVESTIGATION OF THE SEPARATION AND DE-
TERMINATION OF COMPOUNDS WHICH FORM BY
MELAMINE-FORMING REACTION AND BY HY-
DROLYSIS OF THEIR HEAT-CONDENSATES
(CYANOMELAMINE, GUANYLMELAMINE,
CYAMELURIC ACID, ETC.). Rept. no. 10 of Studies
on Separation [and] Determination Methods for Cyan-
amide Derivatives. [1962] 15p. 13 refs.
Order from SLA \$1.60 62-10685

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 8, p. 1456-1460.

DESCRIPTORS: *Cyanamides, *Melamine, Separation,
Determination, Hydrolysis, Ion exchange resins,
Ultraviolet spectroscopy, Absorption spectra,
Chromatographic analysis.

(Chemistry--Analytical, TT, v. 8, no. 9)

62-10685

I. Takimoto, M.
II. Title: Studies ...

C225870

Office of Technical Services

Total Analysis of Metallic Ions by
Thin-Layer Chromatography, by Shoji
Takitani, and Michiko Fukazawa, et al,
6 p. FOR OFFICIAL USE ONLY
JAPANESE, for, Japan Analyst, Vol XII,
1963, pp 1156-1161. 9699182
ISIC-441

Shoji Takitani

Sci-Phys
Mar 66

294,405

Preparation Method for Acidic Ammonium Fluoride,
by Takizaki, Kiyoo, Matsujima, 6 pp.
JAPANESE Patent 26-9979
SLA TT 64-18490

Takizaki

Jul 66

305,457

Removal of ^{137}Cs on a Niigata Montmorillonite
Clay by Column Technique, by Masao TAKIZAWA,
Kugao KODA, et al.
JAPANESE, per, Radioisotopes (Tokyo), Vol 13,
No 6, Nov 1964, pp 455-461. 9233260
AEC NSJ-tr-58

84

Masao Takizawa

Sci/B&H
Aug 66

306,222

137
Removal of ^{137}Cs on a Highly Montmorillonite
Clay by Column Technique, by Masao TAKIZAWA,
Ryuo KITA, Shigetane UEMURA, Akio HIRAKAWA,
11 pp.
JAPANESE, pub, Radiography, Vol 31, No 6,
1964, pp 445-461.
ARC BSJ Tr-98

Masao TAKIZAWA

331,164

Sci - Nuclear Science
Jul 67

ITO, Hiromitsu
TAKIZAWA, Nobujiro

The influence of Shwartzman's Coli-filtrates on the
Growth of Transplanted Fructose Sarcoma in mice.

2-Pages

Japanese, Gann, XXXIX, Nos. 2,3,4.
1948, 55-56

X-546

Translated at the
National Institutes of Health
Bethesda, Maryland

A-4412

TAKIZAWA, Nobujiro
SUGISHITA, Masataka

The Cancerogenic Action of Quinone on Skin and Lung
Tissue of Mice. (4-Pages)

Japanese, Gann, XXXIX, Nos. 2,3,4.

X-552

Translated at the
National Institutes of Health
Bethesda, Md.

A11661

Studies on the Friction Mechanism of
Fibre Systems, by S. Kinoshita, T. Takizawa.

JAPANESE, per, Journal of the Society of
Textile and Cellulose Industries, Vol XV,
No 6, 1959, pp 455-460.

CSIRO

Sci - Engr
Jul 62

203,446

STUDY ON THE FRICTION MECHANISM OF FIBRE
SYSTEMS. III. On the Withdrawal Force and
Withdrawal Speed of a Single Fibre From a
Bundle, by S. Kinoshita, P. TAKIZAWA, 4 pp.

JAPANESE, per, Journal of the Society of Textile
and Cellulose Industries, Vol. XVI, No. 2, 1960
pp 103-104.

CSIRO Tr 4623

Sci - Engr
Nov 61

174,306

STATEMENT OF MINISTER OF DOMESTIC TRADE ON
COMMERCE GOODS, BY PENO TANOV, 6 PP.

BULGARIAN, PER, SOFTKALIFICHENNA TIRAZHVA, VOL V,
NO 14, 10 APR 1963, PP 1, 2.

APR 1963

MEMO - BULGARIA
ECON

JAN 63

232,290

(DC-4674)

Barite and Its Beneficiation in Bulgaria, by Sim.
Takov, 6 pp.

BULGARIAN, per, Minno Delo i Metalurgiya, Vol XV,
No 6, 1960, pp 10-12.

JPRS 6661

EEur - Bulgaria

Econ

140,112

Feb 61

Problems of Rural Radiofication, by E. Takoyev,
7 pp. UNCLASSIFIED

Full translation.

RUSSIAN, per, Radio, No 12, Dec 1951, pp 6, 7.

ATIC F-TS-7812

USSR

Scientific - Electronics, radiofication

1020
1020

(NY-5070)

One Hundred Years of the Russian Postage
Stamp, by K. F. Takoyev, 3 pp.

RUSSIAN, per, Vestnik Svyazi, No 1,
1958.

JRS 5915

Sci
Nov 61

174,934