

Provisional Bylaws of Ch'a-Ya-Shan Model People's  
Commune. UNCLASSIFIED  
Full Tr

JAPANESE, per, Sekai Shiryo NE Archives, publ by  
Kyodo Press, Sep 1978, 25 pp.

600th AFB  
S-3B-314(18)

FE - Japan  
Pol  
Jan 59

78,374

The Authority on Artificial Satellites, 4 pp.

JAPANESE, pamphlet, Sekai Shuho, 26 Oct 1957.

6004th AISS  
Tr IR 5603-57

Sci - Space Res

Dec 57

56,561

How Will the Soviet Union Act Hereafter? 12 pp.

JAPANESE, pamphlet, Sekai Shuho, 23 Nov 1957.

6004th AISS  
Tr IR 5658-57

USSR  
Pol.

*56,589*

Doc 57

CC Material Shortage and Countermeasures.

Full Tr

JAPANESE, wk per, Sekai Shuho, 8 Jun 1957, pp 30-33.

\*6002D  
Tr S-3B  
(Unnumbered)

FE - Japan  
Econ  
Aug 57

59,397

Scientific and Technological Training in Various  
Countries, 11 pp. UNCLASSIFIED

JAPANESE, per, Sakai Shuho, 21 Dec 1957.

6004th AIES  
Tr IR 5688-57

Sci - Misc  
FE - Japan  
Soc.

58,401

Feb 58

Telecommunications, by Kenjiro Kurozaki, 14 pp.

JAPANESE, per, Seisaku no Nippon no Denwa, No 3,  
1963, pp 57-64. (Call No ? Eng Tr)

Army Map Service

FH - Japan  
Econ  
Dec 63

243,996

Infra-Red Camera.

JAPANESE, pamphlet, Sekigaisen Genzo Yakitsuke Sochi Ho  
Kenkyu, publ by Technical Research Institute, Ryt Ho  
594, 30 Mar 1957, 17 pp. (EDC Unknown)

6004th AIBB  
Tr 8-3B 2787

Sci .. Phys

56,567

Doc 57

A Comparative Study of Infrared Ray Detectors.

JAPANESE, pamphlet, Sekigaisen Jukentū no Hikaku  
Kenkyū, Rpt No 111, 9 pp, 30 Mar 1957, publ by  
Technical Research Institute.

6004th AISS Tr: 8-3B-244  
(EDC 22 Nov 1957)

Sci & Tech Electronics      56, 404  
Dec 57



Resistance to Air Flow Through Snow Layers,  
by Sumotani Ichida, Hiroaki Shimizu, 8 pp.

JAPANESE, Pamphlet, Sekisetsu no Tsuki Taiko,  
Part 1. CIA 643396

Corps of Engr  
Snow Ice & Permafrost  
Tr 60

Sci - Geophys

Mar 59

SLA 57-1515

82,500

# 55

(DC-3817)

Ordinance of the President of the Republic of  
Indonesia No 4 of 1959, 3 pp. FOR OFFICIAL USE ONLY

INDONESIAN, pamphlet, Sekitar Penetapan  
Presiden No 6 Tahun 1959, 1959, pp 37-44.

JPRS 3837

FE - Indonesia

COPYRIGHT

Pol - Regional

125,660

Sep 60

# 56

(DC-3817)

Ordinance of the President of the Republic of  
Indonesia No 5 of 1959, 5 pp. FOR OFFICIAL USE ONLY

INDONESIAN, pamphlet, Sekitar Penetapan Presiden  
No 6 Tahun 1959, 1959, pp 45-55.

JPRS 3837

FE - Indonesia

COPYRIGHT

Pol - Regional

125,661

Sep 60

(DC-3017)

Ordinance of the Minister of Internal Affairs and  
Daerah Autonomy No 8 of 1959, 6 pp.  
FOR OFFICIAL USE ONLY

INDONESIAN, pamphlet, Sekitar Penetapan Presiden  
No 6 Tahun 1959, 1959, pp 65-76.

JPRS 3837

FE - Indonesia

COPYRIGHT

Pol - Regional

125,662

Sep 60

Biographic Information on Indonesian Figures  
During the Japanese Occupation and R the Revolution,  
by Sidik Kertapati, 14 pp. UNCLASSIFIED

INDONESIAN, rpt, Suk Sekitar Proklamasi 17 Agustus  
1945, Encl. to Desp No 533, AmEmbassy, Djakarta,  
16 Dec 1959.

Dept of State

FE - Indonesian  
Mil  
Biog  
Feb 60

107,432

62-12809

Yamaji, T.  
THE EFFECTS OF SULFUR COMPOUNDS ON THE  
DECOMPOSITION OF TETRALIN HYDROPEROXIDE.  
[1962] 9p.

Order from: ATS \$13.10

ATS-56P58J

Trans. of Sekiyu Gakkai Shi (Japan) 1960, v. 3, no. 2,  
p. 116-120.

DESCRIPTORS: \*Hydroperoxides, Decomposition,  
\*Sulfur compounds.

I. Yamaji, T.  
II. ATS-56P58J  
III. Associated Technical  
Services, Inc., East  
Orange, N. J.

ATS: J-3220

(Chemistry--Organic, TT, v. 7, no. 11)

Office of Technical Services

Estimation of Solid Paraffins Contained in  
Asphalts, by E. Nishikama.  
JAPANESE, per, Sekiyu Gakkai-Shi, Vol 3, No 7,  
1960, pp 51-547  
GB/3

Sci -  
Jul 67

334,996

Studies of Fluid Catalytic Cracking. II.  
Through-put Capacity of an Installation, by  
T. Yamaguchi,  
JAPANESE, per, Sekiyu Gakkai Shi, Vol III,  
No 3, 1960, pp 636-640.  
ATS JJ-2943

Sci-Phys  
Oct 66

313,006



<p>Yamaguchi, T. CATALYST REGENERATION AND OPTIMUM CATALYST PARTICLE-SIZE DISTRIBUTION. Pt. 5 of Studies [on] Fluid Catalytic Cracking. [1961] 11p. Order from ATS \$17.75      ATS-87N55]</p>	<p>61-25706</p>
<p>Trans. of Sekiyu Gakkai Shi (Japan) 1961, v. 4, no. 1, p. 29-33.</p>	<p>I. Yamaguchi, T. II. Title: Studies ... III. ATS-87N55] IV. Associated Technical Services, Inc., East Orange, N. J.</p>
<p>DESCRIPTORS: *Catalysts, Particles, Petroleum, Processing.</p>	<p><i>ATS-JJ-3179</i> <i>1210+</i></p>
<p>(Engineering--Chemical, TT, v. 6, no. 12)</p>	<p>Office of Technical Services</p>

Yamaguchi, T.  
STUDIES ON FLUID CATALYTIC CRACKING. II.  
(THROUGHPUT CAPACITY OF AN INSTALLATION).  
[1961] 10p.  
Order from ATS \$18.60      ATS-30N48J

Trans. of Sekiyu Gakkaishi (Japan) 1960, v. 3, no. 8,  
p. 636-640.

(Engineering--Chemical, TT, v. 5, no. 12)

61-22015

1. Petroleum--Processing
2. Catalysts--Applications
- I. Yamaguchi, T.
- II. Title: Throughput...
- III. ATS-30N48J
- IV. Associated Technical Services, Inc., East Orange, N. J.

*ATS/JJ-2943*

152083

Office of Technical Services

63-12847

Kanesaki, K., Okada, T. and others.  
STUDIES ON THE ADHESIVE PROPERTIES OF AS-  
PHALT. [1962] 9p.  
Order from ATS \$12.00                      ATS-17P66J

Trans. of Sekiyu Gakkai Shi (Japan) 1961, v. 4, no. 11,  
p. 840-844.

DESCRIPTORS: \*Asphalt, Organic materials,  
\*Adhesion.

- I. Kanesaki, K.
- II. Okada, T.
- III. ATS-17P66J
- IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

ATS JJ-3977

(Materials, TT, v. 9, no. 8)

Office of Technical Services

Kanesaki, K. and Takenouchi, Y.  
GUM FORMATION IN CATALYTICALLY CRACKED  
GASOLINE ON STORAGE. [1963] 13p.  
Order from ATS \$12.25

ATS-20Q68J

Trans. of Sekiyu Gakkai Shi (Japan) 1962, v. 5, no. 4,  
p. 238-242.

DESCRIPTORS: \*Gasoline, Catalysis, Decomposition,  
Storage, \*Colloids.

(Materials--Fuels, TT, v. 10, no. 1)

63-17147

- I. Kanesaki, K.
- II. Takenouchi, Y.
- III. ATS-20Q68J
- IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

ATS JJ-3972

Office of Technical Services

Iijima, K., Izume, Y. and others.  
STUDIES OF REFORMING REACTIONS. PT. 2:  
HYDRODECYCLIZATION OF METHYLCYCOPENTANE  
AND BENZENE IN THE PRESENCE OF A REFORM-  
ING CATALYST. [1962] 14p.  
Order from ATS \$19.75                      ATS-87P65J

Trans. of Sekiyu Gakkai Shi (Japan) 1962, v. 5, no. 4,  
p. 243-248.

DESCRIPTORS: Hydrocarbons, Chemical reactions,  
Decomposition, \*Cyclopentanes, \*Benzenes, \*Catalysts.

*ATS-5A-257*

(Chemistry--Organic, TT, v. 9, no. 7)

63-12631

- I. Title: Reforming  
process (Chemistry)
- I. Iijima, K.
- II. Izume, Y.
- III. Title: Hydrodecycl-  
ization . . .
- IV. ATS-87P65J
- V. Associated Technical  
Services, Inc., East  
Orange, N. J.

Office of Technical Services

Nakamura, Masanobu and Gunji, Koki.  
STUDIES ON SYNTHESIS AND X-RAY SPECTRA OF  
ETHYLENE-PALLADIUM CHLORIDE COMPLEX.  
[1963] [17p] 9refs  
Order from SLA \$1.60                      63-20005

Trans. of Sekiyu Gakkai Shi (Japan) 1962, v. 5, p. 720-724.

DESCRIPTORS: \*Complex compounds, \*Ethylenes, \*Palladium compounds, \*Chlorides, Synthesis (Chemistry), X-ray diffraction analysis, Acetaldehydes, Vinyl radicals, Acetates, Acetals, \*Catalysts, \*Organic solvents.

An ethylene-palladium chloride complex was easily formed by direct reaction ethylene with palladium chloride in a non-polar solvent system, such as n-heptane, carbon tetrachloride, benzene, or p-xylene. (Chemistry--Organic, TF, v. 10, no. 12) (over)

63-20006

I. Nakamura, M.  
II. Gunji, K.

Office of Technical Services

Determination of Gaseous Air Pollutants, by  
S. Sugano.  
JAPANESE, per, Sekiyu Gakkaishi, Vol 7, No 2, 1964,  
pp 92-96.  
NTC-71-11956-07B

Nov 71

Experiments in Nitsu Oil Fields, by K. Makayama,  
10 pp.

JAPANESE, per, Sakiyugaku Kaishi [sic], Vol I, No 2,  
1958, pp 128-132.

REF 741321

CCI  
Jan 60  
Vol XXI, No 5

119,170



63-16119

Murakami, Keiichi and Tanaka, Hirobumi.  
STUDY OF CALCIUM SULFATE PRODUCED AS A  
BY-PRODUCT FROM THE MANUFACTURE OF  
PHOSPHORIC ACID. [1963] 16p. 5 refs.  
Order from SLA \$1.60      63-16119

I. Murakami, K.  
II. Tanaka, H.

Trans. of Sekko to Sekkal (Japan) [1955, no. 18]  
p. 841-945.

DESCRIPTORS: \*Calcium compounds, \*Sulfates,  
Phosphoric acids, Hydration, Gypsum, Phosphates,  
Decomposition, Sulfuric acid.

The transition curve between  $\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$  and  
 $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$  in phosphoric acid was determined by  
Nordengren and his co-workers in 1930 (U.S. Patent  
1,776,595). Later investigators have shown this curve  
to be inaccurate. This work confirms the curve pro-  
duced by the later workers by the following results:  
(Chemistry--Inorganic, TT, v. 10, no. 7)      (over)

Office of Technical Services

Study of Gypsum Obtained as a By-product  
in the Phosphoric Process. Part 2.  
Crystal Size and Ease of Filtration, by  
T. Yamada.

JAPANESE, per, Sekko to Sekkai, No 26,  
1957, pp 1269-1275.

Sci-Chem  
Dec 63

ATS JJ-3903

ATS 44Q71J

244,869

Studies on the Manufacture of Phosphoric Acid by the Fluidization Method (Preliminary Report). Crystallization of Gypsum, by T. Yamada, 5pp.

JAPANESE, per, ~~Sh~~ Sekko to Sekhai, No 27, 1957, pp 1319-1318.

ATS JJ-30901

*11 42071T*

Sci-Chem  
Dec 63

*244, 868*

Takemoto, K., Kataoka, M., and Suzuki, S.  
UTILISATION OF BY-PRODUCT GYPSUM FOR  
PORTLAND CEMENT. 25p. 4 refs.  
Order from OTS or ETC \$2.37      62-26044

Trans. of Sekko to Seklai (Japan) 1958, v. 1,  
p. 1621-1636.

DESCRIPTORS: \*Cements, \*Gypsum, Chemical  
impurities, \*Hardening, Phosphoric acid, Fluorine.

62-26044

I. Takemoto, K.  
II. Kataoka, M.  
III. Suzuki, S.

Office of Technical Services

Study of Gypsum Obtained as a By-product  
Phosphoric Acid Process. Part 4. Crystal  
Growth in Two-step Phosphate Decom-  
position, by T. Yamada, 10 pp.

JAPANESE, per, Sekko to Sekka, No 40,  
1959, pp 337-342.

ATS JJ-3904

Sci-Chem  
Dec 63

244,870

Studies on Phosphate Gypsum. Part 5. De-  
composition Conditions and Form of Gypsum,  
by T. Yamada, 8pp.

JAPANESE, per, Sakko to Sekkai, No 42,  
1959, pp 465-469.

ATS JJ-3905

Sci-Chem  
Dec 63

244.871

63-1774

Kasai, J. and Nakahara, M.  
LARGE CRYSTALS OF  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$  FROM  $\text{CaCl}_2$   
AND  $\text{Na}_2\text{SO}_4$ . [1963] 9p.  
Order from ATS \$11.25                      ATS-73Q69J

Trans. of Sekko to Sekkal (Japan) 1963, no. 62,  
p. 21-26.

DESCRIPTORS: \*Calcium compounds, \*Sulfates,  
\*Hydrates, \*Gypsum, \*Crystals, Synthesis (Chemistry),  
Chlorides, Sodium compounds.

(Physics--Solid State, TT, v. 10, no. 6)

I. Kasai, J.  
II. Nakahara, M.  
III. ATS-73Q69J  
IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

ATS JJ-3902

Office of Technical Services

The Treatment of Sypsum with Resins, PT I  
Effect of Mixing with Urea-Formalin Resins  
on Gypsum, by T. Ito, Y. Utsumi, 11pp  
JAPANESE, per, Sekko to Sekkai, 1963, No 64,  
pp 120-125  
ATS-45R79J

Sci - Mat  
June 67

327,445



The Treatment of Gypsum with Resins. Part II.  
Effect of Mixing with Melamine Resins on Gypsum,  
by T. Ito and Y. Utsumi,  
JAPANESE, per, Sekko to Sekkai, No 65, 1963,  
pp 155-157.  
ATS 46R79J

Sept 66

311,237

Properties of Silica Affecting Expanding Gypsum  
Molds, by I. Teraoka.  
JAPANESE, per, Sakko to Saknai No, Vol 70, 1964,  
pp 96-99.  
ATS-JS-222

Sci-Materials  
Mar 70

403,889

(NY-4989)

Nine Theses of Marhaenism and Brief Explanations  
of Them, by Asmara Hadi, 22 pp.

INDONESIAN, booklet, Sembilan Tesis Marhaenisme  
dan Pendjelasan Singkatnja, 1960, pp 1-35.

JPRS 5724

PE - Indonesia

Pol

131,737

Nov 60

61-20742

DIAGNOSIS OF BEARING POWER OF DAMAGED RE-  
INFORCED CONCRETE BUILDINGS. [1961] 10p.  
Order from SLA \$1.10 61-20742

Trans. of [Semento Gijutsu Nempo] (Japan) 1955 [v. 9]  
no. 41, p. 25-28 and 46-49.

DESCRIPTORS: \*Buildings, \*Reinforced concrete,  
Structures, \*Fires, Combustion, Temperature, Heat,  
Water, Mechanical properties.

Contents:

Evaluation of fire damage  
Fire-damage of reinforced concrete and diagnosis of  
damaged buildings.

(Engineering--Civil, TT, v. 8, no. 3)

Office of Technical Services

Study on the Amorphous Calcium Hydroxide, by  
Saburo Takahama, 10 p.

JAPANESE, por, Semento Gijutsu Nenpo, 1956,  
Vol X, pp 51-56.

59-17896

Sci  
Mar 60  
Vol 2, No 11

109,610

Properties and Forms of Calcium Silicate Hydrate,  
by Toyofujimaru, Gichi Sudo, 25 pp.

JAPANESE, par, Semento Gijutsu Kenpo, No 33,  
1957, pp 48-54.

SLA 59-15073

Sci  
Jan 60  
Vol 2, No 7

104,496

Elongation of Rock Due to Wetting, by Riko  
Mishima, Yu. Harada, 6 pp.

JAPANESE, per, Semento Gijutsu N. Haruo.  
Vol. XII, 1958, pp 309-311.

SLA 60-18117

Sci

203, 238

Jun 62

Quantitative Determination of Calcium Sulphate of  
Various Forms Contained in Portland Cement by  
Differential Thermal Analysis, by N. Sato, M. Kanaya.  
JAPANESE, per, Semento Gijutsu Nerpo, Vol. 16, 1962,  
pp 70-77  
NZDIA

Sci -  
July 1967

334, 010



Size Distribution of Air Voids and the Durability  
of Air-entrained Mortar and Concrete, by T. Soda.  
JAPANESE, per, Semento Konkurito, No 163,  
1960, pp 22-28.  
ATS-JS-223

Sci-Materials  
Mar '70

403,890

Enactment of the Public Peace Maintenance Law.  
UNCLASSIFIED

JAPANESE, pamphlet, Sen Kyuhyakugojurokunen No.  
Indo Shina, Mar 1957, pp 11-13.

500th MI Gp Tr 96257

FE - Indochina

58,368

Pol

Feb 58

Control of Overseas Chinese. UNCLASSIFIED

JAPANESE, pamphlet, Sen Kyuhyakugojurokunen No  
Indo Shina, Mar 1957, pp 15-20.

500th MI Gp Tr 96257

FE - Indochina

58,369

Pol

Feb 58

Unstable Political Situation. UNCLASSIFIED

JAPANESE, pamphlet, Sen Kyuhyakugojurokunen Ho Indo  
Shina, Mar 1957, pp74-76.

500th MI Gp Tr 96257

FE - Indochina

58,370

Pol

Feb 58

Oppression of Anti-MGO Factions. UNCLASSIFIED

JAPANESE, pamphlet, Sen Kyuhyakugojurokunin No  
Indo Shina, Mar 1957, pp 3-6. 71

500th MI Gp Tr 96257

FE - Indochina

Pol

Feb 58

58,367

PROPAGANDA SHEDDING, Vol 120

*5466*  
JAPANESE, London No Tobiki, 1 Jul 1956, publ  
by Propaganda and Education Dept of Japan  
Communist Party Central Committee; 344 pp.  
(EDC Mar 58).

500th MI Sv Gp Tr 95575

FE - Japan

Pol - Communist Party

Nov 57

*54,954*

Propaganda Handbook.

Full tr

JAPANESE, bk, Sendan no Tebiki [Jo], Vol I, May  
1957. (EDC 30 Oct 57)

500th MI Sv Gp  
Tr 95153

FE - Japan  
Fol.  
Aug 57

*52,183*

Chromatographic Studies. Part III. Pentosan in  
Wood Cellulose and Bone Pulps for High Grade  
Esters, by H. Sobue, K. Matsumaki.  
JAPANESE, per, Sen-i-Gakkaishi, Vol 8, 1952,  
pp 79-81.  
NRC-69-12827-07C

Sci-Chem  
Sept 69

391,152



Studies on Construction of Fabrics and their  
Manufacturing Process. Part III. Effect of  
Twist on Yarn Characteristics. Part IV,  
Factors in Weaving of Threads, by H. Matsuda.  
JAPANESE, per, Sen-i-Gakkaishi, Vol 9, No 8,  
1953, pp 405-421,  
NTC-71-11682-11E

Feb 72

Copolymers of Acrylonitrile With IsoButylene and  
That With Methacrylonitrile, by Seizo Ohamura,  
Takao Yamashita, 6 p.

JAPANESE, per, Sen-i Gakkaishi, 1953, Vol IX, No 9,  
pp 446-448.

SLA 59-17083

Sci  
Feb 60  
Vol 2, No 9

107042

Crease Resistance of Cloth. Part IV:  
Influence of Yarn Twist on Crease Resistance  
of Fabric, by S. Ikeda.  
JAPANESE, per, Sen-i-Gakkaishi, Vol 11, No 1,  
1955, pp 28-31.  
NTC-71-11683-11E

Feb 72.

62-14961

Negishi, Michiharu and Sekiguchi, Ichiro.  
VAPOR PHASE SYNTHESIS OF POLYVINYL CYANO-  
ETHYL ETHER. Rept. 1 of Studies on Polyvinyl Cyano-  
ethyl Ether. [1962] 17p. 18 refs.  
Order from SLA \$1.60                      62-14961

I. Negishi, M.  
II. Sekiguchi, I.  
III. Title: Studies...

Trans. of Sen-i Gakkaishi (Japan) 1956, v. 12, no. 7,  
p. 479-486.

DESCRIPTORS: Polymers, \*Vinyl radicals, \*Cyano  
radicals, \*Ethyl ethers, Synthesis, Vapors, Vinyl  
alcohols, Acrylonitriles, Catalysis, Reaction kinetics,  
Alcohols.

The synthesis of polyvinyl cyanoethyl ether by the re-  
action of polyvinyl alcohol with acrylonitrile vapour,  
in the presence of NaOH catalyst was studied, including  
effects of the pretreat-swelling by catalyst (0-5 hrs.),  
amount of water and catalyst (H<sub>2</sub>O/PVA wt. 0.1-2.5 and  
(Chemistry--Organic, TT, v. 9, no. 1)                      (over)

Office of Technical Services

Studies on Photodecomposition of Polyvinylchloride.  
I. Photodecomposition of PVC Fibre, by I. Tatsuya,  
O. Yoshinori, 13 p.

JAPANESE, per. ~~Sen-I~~ Sen-I Gakkaishi. Vol XII No 11,  
1956, pp 823-827.

SLA 58-49

Sci

*Natl Res Council 77-699*

Jul 59

92,707

Sakurada, Ichiro, Sakaguchi, Yasuyoshi, and Nagai, Kazuhiro.

LIQUID PHASE FIBROUS ACETYLATION OF CELLULOSE: III, FIBROUS ACETYLATION OF VISCOSE RAYON AFTER DISPLACEMENT OF INHIBITION WATER WITH SOLVENT VAPOR; IV, ACETYLATION OF COTTON YARN WITH SULFURIC ACID CATALYST; V, ACETYLATION OF COTTON YARN WITH PERCHLORIC ACID CATALYST. [1961] [39]p. 18 refs. Order from SLA \$3.40 61-16772

Trans. of [Sen-i Gakkaishi] (Japan) 1957, v. 13, p. 292-304.

DESCRIPTORS: \*Cellulose, \*Acetylation, \*Rayon, \*Cotton, Sulfuric acid, Perchloric acid, Catalysts.

Liquid-phase fibrous acetylation of cotton yarn was performed with perchloric acid catalyst. Under suitable conditions, acetylation goes forward smoothly and high-acetylated cotton yarn is easily obtainable. In this (Materials--Textiles, TT, v. 6, no. 5) (over)

61-16772

- I. Sakurada, I.
- II. Sakaguchi, Y.
- III. Nagai, K.
- IV. Title: Fibrous...
- V. Title: Acetylation of Cotton Yarn with Sulfuric...
- VI. Title: Acetylation of Cotton Yarn with Perchloric...

180496

Office of Technical Services

Diffusion of Acid Dyes in a Polyamide  
Fiber, by Toru Shimizu, Uchiro Miyaoka,  
17 pp.

JAPANESE, par, Sen-i Gakkaishi, Vol XIII,  
No 8, 1957, pp 553-559.

SLA 60-18456

Sci  
Vol IV, No 11  
Jun 62

*199, 305*

1

Studies of the Thermal Properties of Fibrous  
Materials. I. On the Heat Conductivities of  
Fibrous Materials, 22 pp.

JAPANESE, per, Sen-i-Gakkaishi, Vol XIII,  
1957, pp 801-807.

AEC ENCL-267.

Sci - Phys

Oct 59

99,545



Studies on Polyvinylchloride. Report XXVIII.  
Specific Gravity and Crystallinity of Pure  
PVC-Fiber, by Tatsuya Imoto, Hitaka M Nakai,  
15 pp.

JAPANESE, per, Sen-i Gakkaishi, Vol XIII,  
1957, pp 808-812.

AEC SCL-T-264  
SLA 59-15807

Sci - Chem

Sep 59

97,545

Studies on Polyvinylchloride. Report XXIX.  
Maximum Point in the Shrinkage Curve of the  
PVC-Fiber, 17 pp.

JAPANESE, per, Sen-i Gakkaishi, Vol XIII,  
1957, pp 813-16.

AEC ECL-F-265

Sci - Chem

Sep 59

97,546

Okamura, Isao.  
ON THE DRAWING OF ACRYLONITRILE-VINYLI-  
DENE CHLORIDE COPOLYMER FIBERS. Pt. 1 of  
Studies on Acrylic Fiber. [1961] [19]p. 6 refs.  
Order from SLA \$1.60                      61-16583

Trans. of Sen-i Gakkai (Japan) 1957, v. 13, no. 12,  
p. 861-865.

DESCRIPTORS: \*Synthetic fibers, Tensile properties,  
Processing, Acetones, Temperature.

The drawing of fibers made from the acetone-soluble  
copolymer, 40% acrylonitrile - 60% vinylidene chloride,  
was studied. The tensile strength of the fibers after  
drawing was greater when the residual acetone quantity  
was small, and less when the acetone residue was great.  
The second transition temperature of the polymer was  
about 70°C. The drawing tension which gave greatest  
strength was 2 to 3x10<sup>-2</sup> grams/denier and the optimum  
drawing temperature was 120 to 140°C. Calcium chlo-  
(Materials--Textiles, TT, v. 6, no. 7)                      (over)

61-16583

I. Okamura, I.  
II. Title: Studies...

15169

Office of Technical Services

Studies of Wet Strength Paper, XVI. Physical  
Properties of Heat-Treated Paper, by I. Yoshino.  
7 p.

JAPANESE, per, Sen-i Gakkaishi, 1958, Vol XIV,  
pp 92-95.

AMS-181293

Sci  
Dec 59  
Vol 2, No 6

103,867

61-16582

Okamura, Isao.  
HEAT TREATMENT OF ACRYLONITRILE-VINYLI-  
DENE CHLORIDE COPOLYMER FIBER (AND) MECH-  
ANISM OF DRAWING AND HEAT TREATMENT OF  
ACRYLONITRILE-VINYLDENE CHLORIDE COPOL-  
YMER FIBERS. Pts. 2-3 of Studies on Acrylic Fiber.  
[1961] [20]p. 3 refs.  
Order from SLA \$1.60

61-16582

Trans. of [Sen-i Gakkaishi] (Japan) 1958, v. 14, no. 3,  
p. 133-141.

DESCRIPTORS: Polymers, \*Acrylonitriles, \*Synthetic  
fibers, Heat treatment, Processing, Chlorides.

(Materials--Textiles, TT, v. 6, no. 9)

I. Okamura, I.  
II. Title: Mechanism ...  
III. Title: Studies ...

165389

Office of Technical Services

<p>Ueda, H. A SIMPLE METHOD FOR OBTAINING THE DIFFUSION COEFFICIENTS OF DYES IN FIBERS. [1960] 5p. Order from ATS \$9.50                      ATS-02M45J</p> <p>Trans. of Sen-i Gakkaishi (Japan) 1958, v. 14, no. 6, p. 481-483.</p> <p style="text-align: center;"><i>143,097</i></p> <p>(Materials--Textiles, TT, v. 5, no. 1)</p>	<p style="text-align: center;">61-12090</p> <p>1. Dyes--Diffusion 2. Synthetic fibers--Processing 1. Ueda, H. II. ATS-02M45J III. Associated Technical Services, Inc., East Orange, N. J.</p> <p style="text-align: center;"><i>ATS/JJ-2983</i></p> <p style="text-align: center;">Office of Technical Services</p>
---	---

Effect of Cold Drawing on the Dyeing  
Properties, by Toru Shimizu, Uchiro  
Miyooka, 15 pp.

JAPANESE, per, Sen-i Gakkaishi, Vol XIV,  
No 8, 1958, pp 557-562.

SLA 60-18455

Sci  
Vol IV, No 11  
Jun 62

199,306

Sakaguchi, Yasuyoshi and Ishizu, Inamaro.  
PREPARATION OF WATER-SOLUBLE DERIVATIVES  
OF STARCH BY CARBOXYMETHYLATION. [1961][11]p  
8 refs.      61-16539

Order from SLA \$1.60  
Trans. of Sen-I Gakkaishi (Japan) 1958, v. 14, no. 11,  
p. 814-817.

DESCRIPTORS: \*Starches, Chloroacetic acids, Chem-  
ical reactions, Textiles.

Starch was reacted with monochloroacetic acid (CA) in  
the presence of NaOH. The effect of the nature of  
starches, composition of reaction mixtures, reaction  
temperature and time were examined, then it was  
observed that water soluble derivatives could be ob-  
tained using about 10g CA and about 10g NaOH for 100g  
starch. Products with etherification degree higher  
than about 0.1mole/base mole were soluble in cold  
water. Water soluble derivatives were also obtained  
(Chemistry--Organic, TT, v. 6, no. 5)      (over)

61-16539

- I. Title: Carboxymethylation
- I. Sakaguchi, Y.
- II. Ishizu, I.

180470

Office of Technical Services



Sakaguchi, Yasuyoshi.  
PREPARATION OF WATER-SOLUBLE DERIVATIVES  
OF STARCH BY REACTION WITH ACRYLONITRILE.  
[1961] 9p. 14 refs.  
Order from SLA \$1.10                                  61-16538

Trans. of Sen-i Gakkaishi (Japan) 1958, v. 14, no. 11,  
p. 818-821.

DESCRIPTORS: \*Starches, \*Acrylonitriles, Chemical  
reactions, \*Ethers, Synthesis.

Starches were reacted with acrylonitrile in the co-  
presence of alkali. At this time, cyanoethyl etherifica-  
tion and saponification reaction of this ether to car-  
boxyethyl ether occurred. Under optimum conditions, a  
water-soluble ether could be obtained by using the  
nitrile and NaOH each in quantity of about 10% of the  
starch. The approximate composition necessary to ob-  
taining a water-soluble product was, a degree of car-  
(Chemistry--Organic, TT, v. 6, no. 6)                                  (over)

61-16538

I. Sakaguchi, Y.

176552

Office of Technical Services

61-16579

Nakai, Akiyoshi.  
BEHAVIOR OF MODEL FILAMENTS DURING GELATINATION AND REGENERATION IN RELATION TO THE STRUCTURE OF THEIR PRIMARY CELLULOSE XANTHATE GELS. [1961] [10]p. 6 refs.  
Order from SLA \$1. 10 61-16579

1. Title: Gelatination  
1. Nakai, A.

Trans. of [Sen-i Gakkaishi] (Japan) 1959, v. 15, no. 1, p. 9-12.

DESCRIPTORS: \*Cellulose, \*Gels, Analysis, Physical properties, \*Cellulose chemistry, Coagulation, Filaments, Fibers, Regeneration.

180478

The physical properties and behaviours of the isotropic xanthate filaments during their gelatination, conversion to cellulose, and drying, were studied, in relation to the means by which coagulation is brought about (coagulant, temperature, degree of ripeness of viscose). The following are examined: shrinkage behaviours during each process, diffusion rate of regenerating solution. (Materials--Textiles, TT, v. 6, no. 5) (over)

Office of Technical Services

61-16578

I. Nakai, A.

180477

Office of Technical Services

Nakai, Akiyoshi.  
ON DETERMINING THE CRYSTALLINITY OF CELLULOSE FIBERS ON WHICH COHESIVE STRUCTURES ARE NOT SET IN STABLE STATE. [1961] [9]p.  
6 refs.  
Order from SLA \$1.10                      61-16578

Trans. of [Sen-i Gakkaishi] (Japan) 1959, v. 15, no. 1, p. 13-15.

DESCRIPTORS: \*Cellulose, \*Rayon fibers, Crystallization, Hydrolysis.

By measuring the crystallinity of several viscose rayon fibers whose stability of cohesive structure varies radically by the acid hydrolysis method and iodine absorption method the feasibility of this method was established. During acid hydrolysis the recrystallization of the fibres depended greatly on the stability of the cohesive structure.

(Materials--Textiles, TT, v. 6, no. 3)

Nakai, Akiyoshi.  
STUDIES ON MODEL CELLULOSE GELS COAGU-  
LATED BY TWO-BATH TREATMENT FROM VIS-  
COSE. Rept. no. 1 of Coagulation Effect on Structures  
of Regenerated Cellulose. [1961] [21]p. 15 refs.  
Order from SLA \$2.60 61-16581

Trans. of Sen-i Gakkaishi (Japan) 1959, v. 15, no. 2,  
p. 90-94.

DESCRIPTORS: \*Cellulose, \*Gels, Analysis, \*Cellu-  
lose chemistry, Coagulation.

The present examination refers to cellulose gels co-  
agulated freely by the procedure by which the formation  
process is broken up into individual phases: (1) gelatin-  
ation of viscose, and (2) regeneration of this xanthate  
gel to cellulose itself. Fine structures of both fresh  
and dry gels, such as equilibrium absorption of dye,  
accessibility and lateral-order distribution, were in-  
vestigated with regard to various conditions of  $\text{Na}_2\text{SO}_4$   
(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16581

I. Nakai, A.  
II. Title: Coagulation...

180480

Office of Technical Services

Takahashi, Masuo.  
SOME MELT SPINNING CONDITIONS. [Rept. no. ] 5  
of Studies on the Manufacture of Polyethylene Fiber.  
[1961] 14p. 3 refs.  
Order from SLA \$1.60

61-16571

Trans. of [Sen-i Gakkai] (Japan) 1959, v. 15, no. 4,  
p. 254-259.

DESCRIPTORS: \*Synthetic fibers, Production, \*Ethyl-  
enes, Polymers, Fibers, Textiles.

By using the "candle" melt spinning apparatus, the  
effects of various spinning conditions upon the state of  
spinning were studied. At excessively high tempera-  
tures, the upper limit of the draft (where the spinning  
is satisfactory) became smaller due to the thermal  
degradation of the sample. The smaller the average  
molecular weight ( $M_p$ ), the lower was the temperature  
at which the upper limit of draft (at high temperatures)  
started to decline and the greater was the draft at low  
(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16571

I. Title: Spinning  
I. Takahashi, M.  
II. Title: Studies...

180476

Office of Technical Services

Takahashi, Masao.  
RELATION BETWEEN SOME SPINNING CONDITIONS  
AND PROPERTIES OF UNDRAWN FILAMENTS. Rept.  
no. 7 of Studies on the Manufacture of Polyethylene  
Fiber. [1961] [17]p. 4 refs.  
Order from SLA \$1.60

61-16369

Trans. of Sen-i Gakkaishi (Japan) 1959, v. 15, no. 5,  
p. 368-372.

DESCRIPTORS: \*Synthetic fibers, Production, Physical  
properties, \*Ethylene, Polymers, Fibers, Textiles.

The effects of the various melt spinning conditions such  
as linear velocity in capillary, draft (or winding speed),  
cooling path distance and temperature of chilled bath on  
some properties of undrawn filaments were investi-  
gated. The increase of linear velocity in capillary and  
draft produces orientation of molecular chains which  
results in the indistinctness of yield point, an increase  
of tensile strength and a decrease of elongation of the  
(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16369

I. Title: Spinning  
I. Takahashi, M.  
II. Title: Studies...

180475

Office of Technical Services

The Course of Fiber Formation From Viscose;  
Mechanism of Coagulation, by A. Nakai,  
13 pp.

JAPANESE, per, Sen-i Gakkaishi, Vol XV,  
1959, pp 527-531.

SLA 60-10150

Sci  
Mar 62  
Vol IV, No 2

*188,838*

Study of Spinning Mechanisms of Viscose I. Internal  
Structure of Viscose, by Hajoji. Kamatsu, 8 p.

JAPANESE, per, Sen-i Gakkaishi, 1959, Vol XV,  
pp 532-536.

SLA 60-10149

Sci  
Apr 60  
Vol III, No 3

112,012



The Improvement on Soil-Resistance of the  
Resin-Finished Fabrics. Part I. Combination  
Effects of Vinyl-Polymers With Dimethyl-  
Ethylene-Urea, by T. Matsukawa.  
JAPANESE, per, Sen-i-Gakkaishi, Vol 15, No7,  
1959, pp 570-575.  
NTC-71-11681-11E

Feb 72

Nakai, Akiyoshi.  
THE COURSE OF FIBER FORMATION FROM VIS-  
COSE: MECHANISM OF SKIN-CORE DIFFERENTIA-  
TION. [1961] [34]p. 24 refs.  
Order from SLA \$3.60

61-16580

Trans. of Sen-i Gakkaishi (Japan) 1959, v. 15, no. 9,  
p. 708-715.

DESCRIPTORS: \*Synthetic fibers, Production, \*Cellu-  
lose, Processing, Coagulation, Fibers.

Cross-sectional sections of filaments which had been  
spun out into several types of coagulation baths were  
observed under polarized light, and their cross-  
sectional orientative property was sought. From in-  
formation thus obtained, we have explained the com-  
pressive orientation effect and stretching orientation  
effect which accompany contraction in the course of  
viscose fiber formation, in their relationship with the  
coagulation mechanism. We have explained the mecha-  
(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16580

I. Nakai, A.

180479

Office of Technical Services

Measurements of the Hysteresis loss of  
Fiber Materials (Textiles). 2. Resilience  
Meter of the Counter Tube Type, by  
K. Shirakashi, K. Ishikawa, 7 pp.

JAPANESE, per, Sen i Gakkaishi, Vol XV,  
1959, pp 863-867.

ATS-02141J

Sci

187, 737

10 Mar 62

Vol 4, No 4

61-16517

Takahashi, Masao and Watanabe, Masamoto.  
RELATION BETWEEN COAGULATING FORCES OF  
SPINNING BATHS AND PROPERTIES OF FIBERS.  
Rept. no. 7 of Studies on Acrylic Fiber. [1961] 15p.  
Order from SLA \$1.60 61-16517

Trans. of Sen-i Gakkaishi (Japan) 1959, v. 15, no. 12,  
p. 951-959.  
Another translation is available from SLA ml\$2.40,  
pb\$3.30 as 60-18453 [1960] 15p.

DESCRIPTORS: \*Synthetic fibers, Coagulation,  
Production

For abstract see Technical Translations 4: 632, 1960.

See also 61-16524, 61-16582, 61-16583

(Materials--Textiles, TT, v. 6, no. 6)

I. Takahashi, M.  
II. Watanabe, M.  
III. Title: Studies...

176540

Office of Technical Services

Hysteresis and Related Elastic  
Properties of Textiles III. Some  
Measurements on Tire Cords, by K.  
Shirakashi, et al, 13 pp.

JAPANESE, par, Sen-i Gakkaishi, Vol IV,  
No 12, 1959, pp 985-991.

SLA 60-18454

Sci  
Vol IV, No 11  
Jun 62

199, 207

The Improvement on Soil-Resistance of the  
Resin Finished Fabrics. Part II. Combination  
Effects of High Polymer Electrolytes With  
Dimethylol Ethylene Urea, by T. Matsukawa.  
JAPANESE, per, Sen-i-Gakkaishi, Vol 15, No 12,  
1959, pp 1001-1006.  
NTC-71-11684-11E

Feb 72

61-16525

Takahashi, Masao and Watanabe, Masamoto.  
EFFECTS OF THE TEMPERATURE OF COAGU-  
LATION BATH ON THE WET-SPINNING OF DIM-  
ETHYL FORMAMIDE-GLYCERIN SYSTEM. Rept.  
no. 8 of Studies on Acrylic Fiber. [1961] 19p. 20 refs.  
Order from S.L.A \$1.60      61-16325

Trans. of Sen-i Gakkaishi (Japan) 1960, v. 16, no. 1,  
p. 7-15.

DESCRIPTORS: Formamides, Glycerol, \*Acryloni-  
triles, Synthetic fibers, Processing, Temperature,  
Coagulation.

Results were obtained for the influence of the coagu-  
lating bath temperature on wet spinning of acryloni-  
trile copolymers. The maximum spinning velocity in-  
creased as the bath temperature increased and as the  
extrusion parameter and solution viscosity decreased.  
(Materials--Textiles, TT, v. 6, no. 9)      (over)

I. Title: Spinning  
I. Takahashi, M.  
II. Watanabe, M.  
III. Title: Studies...

685386

Office of Technical Services

61-16524

Takahashi, Masao and Watanabe, Matamoto.  
RELATIONS BETWEEN VARIOUS SPINNING CONDI-  
TIONS AND MECHANICAL PROPERTIES OF DRAWN  
FILAMENTS OBTAINED BY THE WET-SPINNING OF  
DIMETHYL FORMAMIDE-GLYCERIN SYSTEM. Rept.  
no. 9 of Studies on Acrylic Fiber. [1961] 9p.  
Order from SLA \$1.10      61-16524

- I. Title: Spinning  
I. Takahashi, M.  
II. Watanabe, M.

Trans. of Sen-i Gakkaishi (Japan) 1960, v. 16, no. 1,  
p. 15-20.

165385

DESCRIPTORS: Formamides, Methyl radicals, Glyc-  
erols, \*Synthetic fibers, Mechanical properties, Tex-  
tiles, \*Acrylic resins, Polymers, Processing.

The relations between various spinning conditions and  
the strength and elongation of the drawn yarns and their  
photomicrographs, by wet-spinning of the continuous  
spinning and drawing system, using DMF as solvent and  
(Materials--Textiles, TT, v. 6, no. 9)      (over)

Office of Technical Services



Dry Spinning. 1. Investigations of Spinning  
Conditions, by M. Takahashi, M. Watanabe,  
23 pp.

JAPANESE, per, Sen-i Gakkaishi, Vol XVI,  
No 6, 1960, pp 458-469.

ATS-00045J

ATS/JJ-2981

203,556

Sci

Jul 62

Vol 4, No 12

DRAWING OF POLYVINYL CHLORIDE (PVC) POLYMERIZED AT LOW TEMPERATURES, PTS. I-II  
[1961] 15p. 21 refs.  
Order from RIS \$50.00                      RIS C-141

Trans. from Sen-i Gakkaishi (Japan) 1960, v. 16,  
no. 10.

DESCRIPTORS: \*Polymers, Vinyl radicals, Chlorides,  
\*Synthetic fibers, Temperature, Processing,  
Mechanical properties.

(Materials--Textiles, TT, v. 6, no. 6)

61-25015

I. RIS C-141  
II. Research Information  
Service, New York

176703

Office of Technical Services

61-22191

THE PHENOMENON OF MUTUAL DIFFUSION OF AN  
 $H_2SO_4$ - $NaOH$  SYSTEM IN FIBERS [AND] THE PHENOMENON OF MUTUAL DIFFUSION IN A CYLINDER. Pts. 1-2 of Studies in the Wet Spinning Process of Artificial Fibers. [1961] 14p. 1 ref.  
Order from RIS \$45.00 RIS C-140

Trans. from [Sen-i Gakkaishi] (Japan) 1960, v. 16, no. 10.

1. Synthetic fibers--Processing
  2. Diffusion--Analysis
  3. Cellulose--Processing
  4. Sodium hydroxide--Diffusion
  5. Sulfuric acid--Diffusion
- I. Title: Phenomenon...
  - II. Title: Studies...
  - III. RIS C-140
  - IV. Research Information Service, New York

152093

Office of Technical Services

(Materials--Textiles, TT, v. 5, no. 12)

62-34475

Hada, Buei.  
PREPARATION OF ACRYLONITRILE-ALLYLALCOHOL  
COPOLYMERIC FIBER BY  $\gamma$ -RAY INDUCED COPOLY-  
MERIZATION. Oct 62, 14p. 8 refs.  
Order from SA \$18.00      SA Code-S110

I. Hada, B.  
II. SA Code-S110  
III. Seizaburo Aoki (Japan)

Trans. in manuscript of Sen-I Gakkaiishi (Japan) 1960,  
v. 16, no. 10, p. 810-812.

DESCRIPTORS: \*Synthetic fibers, Preparation,  
\*Acrylonitriles, Allyl radicals, Alcohols, Copolymeri-  
zation, Gamma rays, \*Radiation effects, Mechanical  
properties, Dyes.

(Materials--Textiles, TT, v. 8, no. 12)

Office of Technical Services

Drawing of Polyvinylchloride Polymerized  
at Low Temperature, by M. Asahina et al.  
Parts 1 and 2,  
JAPANESE, per, Sen-i-Gakkaishi, Vol 16, 1960,  
pp 813-821.  
NASA TT F-9769

U. S. GOVERNMENT USE ONLY  
Sci-~~JAPAN~~ Chem  
Apr 66

298,728

62-14267

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

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

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)

Office of Technical Services

Studies on Resin Distribution (at Resin Finishing  
of the Fabric) Using A Radioisotope. Report No. I.  
On the Fundamental Conditions of Macroautoradio-  
graphy., by S. Yokoyama and Y. Onti.  
JAPANESE, per, Sen-i Gakkaishi, Vol 16, No 12,  
1960, pp 1050-1053.  
NTC 71-14588-11E

Feb 72

Studies on Resin Distribution (at Resin Finishing  
of the Fabric) Using a Radioisotope. Report No. 2.  
On the Effects of Predrying Conditions on  
Resin Distribution, by S. Yokoyama and Y. Onji.  
JAPANESE, per, San-i Gakkaiishi, Vol 16, No 12,  
1960, pp 1053-1055.  
NTC 71-14589-11E

Feb 72



61-22607

Yasuda, T.  
SPINNING QUALITIES OF METHYL ACRYLATE  
COPOLYMERS. Pt. 1 of Studies on Synthetic Fibers  
Produced from Acrylonitrile. [1961] 6p.  
Order from ATS \$12.00      ATS-94N51J

Trans. of Sen-I Gakkaishi (Japan) 1961, v. 17, no. 1,  
p. 27-30.

DESCRIPTORS: \*Acrylonitriles, Copolymerization,  
\*Synthetic fibers, Mechanical properties, Acrylic  
resins, Textiles.

I. Yasuda, T.  
H. ATS-94N51J  
III. Associated Technical  
Services, Inc., East  
Orange, N. J.  
IV. Title: Studies...

ATS-JJ-3099

175350

Microscopical Observations on 6-Nylon Filaments  
Undergoing Photodegradation, by K. Hato.

JAPANESE, per, Sen-i Gakkaishi, Vol XVII, No 2,  
1961, pp 139-143.

HLL M 8842

Sci - Phys  
Mar 63

~~224,290~~  
224,290

61-25334

Takahashi, M[asao].  
FILAMENT FORMATION IN A SOLVENT-WATER  
TYPE COAGULATION BATH [AND] SOME ASPECTS  
OF THE SPINNABILITY IN A SPINNING BATH  
HAVING THE CRITICAL COMPOSITION. Repts. 20-21  
on Studies of Acrylic Fibers. [1961] 14p.  
Order from ATS \$19. 40                      ATS-79N53J

- I. Takahashi, M.
- II. Title: Some...
- III. Title: Studies
- IV. ATS-79N53J
- V. Associated Technical Services, Inc., East Orange, N. J.

Trans. of Sen-i Gakkaishi (Japan) 1961, v. 17, no. 3,  
p. 243-252.

*ATS/JJ-2982*

DESCRIPTORS: \*Synthetic fibers, Production,  
Coagulation.

185565

*M. Takahashi 1962 (1961)  
(London)*

(Materials--Textiles, TT, v. 6, no. 9)

Office of Technical Services

Kawakami, H. and Kawashima, K.  
PREPARATION OF SYNTHETIC FIBERS FROM  
MIXTURES OF POLYVINYL ALCOHOL AND VINYL  
METHYL ETHER-MALEIC ACID COPOLYMERS.  
Pt. 1 of Studies on the Preparation of Synthetic Fibers  
from Mixtures of Polyvinyl Alcohol and Other Water-  
Soluble Polymers. [1961] 8p.  
Order from ATS \$12.20                      ATS-76N57]

Trans. of Sen-i Gakkaishi (Japan) 1961, v. 17,  
p. 325-329.

DESCRIPTORS: \*Synthetic fibers, Fibers, \*Vinyl  
radicals, Alcohols, \*Polymers, Methyl radicals,  
Ethers, \*Malic acid, Copolymerization.

(Chemistry--Organic, TT, v. 7, no. 6)

62-12354

- I. Kawakami, H.
- II. Kawashima, K.
- III. Title: Studies ...
- IV. ATS-76N57]
- V. Associated Technical  
Services, Inc.,  
East Orange, N. J.

ATS-76-3063

Office of Technical Services

Studies on Hard Twisted Yarns. Part VII.  
Construction of Twisted Yarns of  
Continuous Filament Bundles Consisting  
of Fibers of Different Deniers, by  
S. Kakiage.  
JAPANESE, per, Sen-i-Gakkaishi, Vol 17,  
No 5, 1961, pp 368-373.  
NTC 72-10606-11E

Apr 72

62-34462

Nakai, Akiyoshi and Yoshikawa, Seibel.  
SOME RESULTS OF HEAT-TREATMENT OF POLY-  
PROPYLENE FIBERS. Rept. 1 of Study on Heat-Trea-  
ment of Polypropylene Fibers. Oct 62. 11p. (figs.  
omitted) 6 refs.  
Order from SA \$18.00                      SA Code-S265

- I. Nakai, A.
- II. Yoshikawa, S.
- III. Title: Study ...
- IV. SA Code-S265
- V. Seizaburo Aoki (Japan)

Trans. of Sen-i Gakkaishi (Japan) 1961, v. 17, no. 10,  
p. 997-1001.

DESCRIPTORS: \*Synthetic fibers, \*Propenes, Polymers,  
Heat treatment, Physical properties, Molecular  
structure, Glycols, Ethylenes.

(Materials--Textiles, TT, v. 8, no. 12)

Office of Technical Services

62-34474

Oya, Seigo, Yasuda, Akira, and Nakai, Akiyoshi.  
SOME RESULTS ON DRAFT. Rep. 1 of Melt Spinning  
of Polypropylene. Oct 62, 14p. (figs. omitted) 8 refs.  
Order from SA \$18.00 SA Code-S277

Trans. of Sen-i Gakkaishi (Japan) 1961, v. 17, no. 11,  
p. 1088-1093.

DESCRIPTORS: \*Synthetic fibers, \*Propenes, Drawing  
(Machine processing), Velocity, Tensile properties,  
Optics.

- I. Title: Draft
1. Oya, S.
- II. Yasuda, A.
- III. Nakai, A.
- V. Title: Melt ...
- V. SA Code: S277
- VI. Sen-i Gakkaishi (Japan)

(Materials--Textiles, TT, v. 6, no. 12)

Office of Technical Services

Fundamental Studies on the Spinning of  
Cellulose Acetate. III. The Viscosity of  
the Concentrated Solution of Cellulose  
Acetate (Part 1), by H. Konishi.  
JAPANESE, per, Sen-i Gakkaishi, Vol 18,  
1962, pp 38-42.  
Chem Trans Sv 3100

326,403

Sci - Chemistry  
May 67



Fundamental Studies on the Spinning of  
Cellulose Acetate. IV. Viscosity of  
Concentrated Cellulose Acetate Solution  
(Part 2), by H. Kuroishi.  
JAPANESE, per, Seni-Gakkaishi, Vol 18, 1962,  
pp 42-45.  
Chem Trans Sv 3101

326,404

Sci - Chemistry  
May 67

Identification of Textile Fibres and the  
Detection of Mixed Fibres by Infra Red  
Absorption Spectra, by H. Sobue,  
S. Fukuhara.

JAPANESE, par, Sen-i Gakkaishi, Vol XVIII,  
No 2, 1962, pp 121-129.

Sci- A/M

Aug 63

GB/256/T.1419  
NLL/5828.4 1962(10088)

342,032