

New Results in Connection With the Identification of
Wet Strength Papers by a Simple Color Reaction, by
G. Jayne, F. Branscheid, 9 pp.

GERMAN, per, Das Papier, Vol III, No 3-4, Feb 1955,
pp 51-58.

SLA Tr 2469

Sci - Chem

53,130

Sep 57

Observation of Hornification in Cellulose Fiber
Structures With the Aid of Electron Microscope,
by G. Jayne, G. Hunger, 17 pp.

GERMAN, par, Monatsch Chem, Vol LXXXVII, No 1,
1956, pp 8-23.

SLA Tr 57-808

Sci - Chemistry

53,324

Sep 57

Jayme, G. and Bergmann, W.
OXYGEN-INSENSITIVE ALKALINE CELLULOSE SOLUTIONS (Über Sauerstoffunempfindliche Alkalische Cellulose-Lösungen) tr. by H. A. G. Nathan, 1961, 8p. 4 refs. NRCC Technical Trans. 989. Order from NRCC \$0.50 NRCC C-3841

Trans. of das Papier (West Germany) 1956, v. 10, no. 5/6, p. 88-90.

DESCRIPTORS: *Cellulose, Cellulose chemistry, Chemistry, Organic solvents, Viscosity, Measurement, Oxygen, Chemical reactions.

In continuing the investigations of the sodium-ferritartaric acid complex, $[(C_4H_3O_6)_3Fe]Na_6$, dissolved in sodium hydroxide solution, i.e. the new solvent recently found by Jayme, the oxygen sensitivity of the cellulose solutions thus obtained was studied. Vis- (Materials-Paper, TT, v. 8, no. 7) (over)

62-12448

I. Jayme, G.
II. Bergmann, W.
III. NRCC TT-989
IV. NRCC C-3841
V. National Research Council of Canada

Office of Technical Services

Paper Chromatography of Sugar Mixtures on
Glass Fibre Papers, by G. Jaynes and H.
Knoke, 5 pp.

ANALYTICAL CHEMISTRY, Vol. XXVIII, No. 7,
1956, p 243.

ANAL 57-1789

ANAL

Vol

Jul 58

67, 9-4-58

Production of Furfural and Low-Pentosan Pulp From
Red Beech, by G. Jayne, 14 pp.

GERMAN, per, Z Angew Chem, No 5/6, 1947, pp 150.

SLA 2835

Sci
May 58

63,726

**Production Of Tannin and Pulp From Young Black
Lowest Wood by G. Jayne and H. Bowler.**

**GERMAN, ger, Das Papier, Vol XI, No 17/18, 1957,
pp 396-398.**

CSIRO Tr 3872

Oct. 62

Properties of Spruce Sulphate Pulp in a State of
Biological Preservations, by G. Jayne, L. Kohler,
W. L. Bass, 19 pp.

GERMAN, per, Das Papier, Vol I, Nov, Dec 1956,
pp 405, 540.

SLA Tr 57-675

Sci - Biol

53,131

Sep 57

Properties of Spruce Sulphate Pulps in a
State of Biological Preservation, by G. Styma,
L. Kehler, W. L. Hans, 10 pp.

GERMAN, per, Das Papier, Vol X, No 23/24,
1956, pp 540-545.

SIA 59-10157

Sci Chem
Jun 59
OTS I, 10

89, 716

Jayne, G. and Hunger, G.,
PULP AND PAPER AS VIEWED STEREOSCOPICALLY
BY THE ELECTRON MICROSCOPE [1961] 4p
(16 figs. omitted)
Order from SLA \$1. 10

62-10276

Trans. of das Papier (West Germany) 1960, v. 14,
no. 10a, p. 550-553.

DESCRIPTORS: Cellulose, *Wood pulp, *Paper,
Electron microscopes, Stereoscopes.

An attempt is made in this lecture to show how our
knowledge of the fine structure of cellulose pulps and
their structural modification under various influences
may be broadened and deepened by stereoscopic ob-
servation. This was done by showing and comparing
ordinary electron-micrographs with stereo pairs.
(Author)
(Materials--Paper, TT, v. 7, no. 9)

62-10276

I. Jayne, G.
II. Hunger, G.

206016

Office of Technical Services

phenomena in Swelling and Dissolution of
Fibrous Plant Cells in New Solvents, by
G. Jayne, M. Barden-Steinhilber, 10 pp.

GERMAN, per, das Papier, Vol XIV, No 6,
1960, pp 228-234.

ATB-~~21~~4G
3

Sci

196,868

May 62

Vol 4, No 10

61-16800

Jayme, G.
REACTIVITY OF CELLULOSE. [1961] 32p. (13 figs.
[refs.] omitted).
Order from SLA \$3.60 61-16800

I. Jayme, G.

Trans. of Cellulose-Chemie (Germany) 1943, v. 21
[no. 4] p. 73-[84].

DESCRIPTORS: *Cellulose, Chemical reactions,
Processing, Cellulose chemistry, Paper.

Office of Technical Services

(Materials--Paper. TT, v. 6, no. 5)

Testing of Fibrous Materials for Suitability for the
Preparation of Cellulose Acetate, by G. Jayne, U
Schemk.
FRENCH, par, Cellulose Chemie, Vol. 22, 1944, no 5.
CER.CO/

G JAYME

Sci -
July 1967

334,015

The Use of Infrared Spectroscopy in Identifying
Poly and Paper, G. Jayne, S. H. Johnson.
ANAL. CHEM., Vol. 21, 1949,
pp 719-21.
AD-112945

G. Jayne

33, 506

Sci - Materials
Jul 67

Cadoxen, A New, Colorless, Aqueous Solvent for
Cellulose and Its Application, by Geron, James.

19 pp.

GERMAN, per. Das Papier. Vol XII, pp 23. 1962.
27 024-632.

SIA 60-1 27

Sci

188, 664

Vol 12, No 1

Mar 62

Stereoscopic Electron Microscopy in Pulp and
Paper, by Georg Jayne, Gunther Hanger, 2 p.
Photo Captions of Holzforschung
GERMAN, par, 1959, Vol XIII, No 1, pp 1-4.

SLA 59-20048

Sx1
Feb 60
Vol 2, No 10

108,902

Jayme, George, Crönert, Horst, and Neuhaus, Walter.
CHANGES IN COLLOIDAL-CHEMICAL PROPERTIES OF CELLULOSE FIBERS PRODUCED BY HIGH FREQUENCY TREATMENT, I. Jan 61, 6p. (7 figs. 3 tables omitted) 23 refs.
Order from SLA mi\$1.80, ph\$1.80 61-10769

Trans. of das Papier (West Germany) 1959, v. 13, no. 23/24, p. 578-583.
Another translation is available from SLA mi\$1.80, ph\$1.80 as 60-18503 [1960] [9 p].

For abstract see Technical Translations 4: 683, 1960.

(Materials--Wood, TT, v. 5, no. 9)

61-10769

1. Wood pulp fibers--
Physical properties
 2. Ultrasonic radiation--
Physical effects
- I. Jayme, G.
 - II. Crönert, H.
 - III. Neuhaus, W.

Office of Technical Services

Changes in Colloidal-Chemical Properties of Cellulose
Fibers Produced by High Frequency Treatment, by
George J. Jayne, Horst Crobert, ~~Walter Neuhaus~~ Walter Neuhaus,
EXTRA 6 pp.

GERMAN, per, das Papier, Vol XIII,
No 23/24, 1959, pp 578-583.

SLA 61-10769

Sci
Aug 61

162,795

6. -10742

1. Wood pulp fibers--Physical properties
 2. Ultrasonic radiation--Physical effects
 3. Stirrer--Design
- I. Jayme, G.
 - II. Cronert, H.
 - III. Neuhaus, W.

Office of Technical Services

Jayme, G[eorge, Cronert, Horst, and Neuhaus, Walter].

CHANGES IN COLLOID-CHEMICAL PROPERTIES OF CELLULOSE FIBRES PRODUCED BY HIGH FREQUENCY TREATMENT. III. Jan 61 [10]p. (7 figs 9 tables omitted) 20 refs.

Order from SLA mi\$1.80, ph\$1.80 61-10742

Trans. of das Papier (West Germany) 1960 v. 14, no. 2, p. 58-66.

A discussion is presented of the influence of ultrasound and mechanical high-frequency treatment on the morphologically determined reactivity of rayon pulps. (See also 61-10740)

(Materials--Wood, TT, v. 5, no. 10)

61-10740

Jayme [George, Crönert, Horst, and Neubauss, Walter].
CHANGES IN COLLOID-CHEMICAL PROPERTIES OF
CELLULOSE FIBRES PRODUCED BY HIGH FRE-
QUENCY TREATMENT, II. Jan 61, Sp: (18 figs
6 tables omitted) 1 ref.
Order from SLA mi\$1.80, ph\$1.80 61-10740

Trans. of das Papier (West Germany) 1960, v. 14,
no. 1, p. 5-11.

Another translation is available from SLA mi\$1.80,
ph\$1.80 as 60-18504 [1960] [10]p.

The machinery used in high-frequency treatment is
described. (See also 60-18503)

1. Wood pulp fibers--Physical
properties
 2. Ultrasonic radiation--
Physical effects
 3. Stirrer:--Design
- I. Jayme, G.
 - II. Crönert, H.
 - III. Neubauss, W.

Office of Technical Services

(Materials--Wood, TT, v. 5, no. 10)

61-10903

Jayne G[eorg] and Demmig W[erner].
THE RETENTION OF VARIOUS STARCH, CMC AND
ALGINATE TYPES ON THE MACHINE WIRE
SCREEN. Feb 61, 6p. (5 figs. 4 tables omitted)
11 refs.
Order from SLA mi\$1.80, ph\$1.80 61-10903

1. Paper industry--Equipment
 2. Chemical waste--
Analysis
- I. Jayne, G.
 - II. Demmig, W.

Trans. of das Papier (West Germany) 1960, v. 14,
no. 10a, p. 625-630.

Tests were made to determine the retention on the
wire retaining trap of paper machines of the oxygen
consuming substances, starches, carboxymethyl-cellu-
lose, and alginic acids. Kaolin, titanium dioxide and
rosin size reduced the retention of these substances.

Office of Technical Services

(Materials--Paper, TT, v. 5, no. 11)

Jayne, George, Dammig, Werner, and Knolle,
Herbert.

THE RETENTION OF STARCH, CMC AND ALGINATES
ON THE WIRE AND IN THE STOCK RECOVERER,
AS DEPENDENT UPON THE QUANTITY INITIALLY
ADDED AND UPON THE DEGREE OF BEATING OF
THE PULP. [1962] Sp. (11 figs. omitted) 10 pgs.
Order from SLA \$1.10 62-18075

Trans. of German language article from the Water
and Paper Research Office of the Cellulose Chemistry
Institute, Darmstadt Technical College [1960].

DESCRIPTORS: *Paper industry, Chemical waste,
Cellulose chemistry.

For abstract see Technical Translations 5: 631, 1961.

(Materials--Paper, TT, v. 8, no. 8)

62-18075

I. Jayme, G.
H. Dammig, W.
III. Knolle, H.

Office of Technical Services

Simplified Preparation of a Cellulose Solvent
Based on an Iron-Tartaric Acid-Sodium Complex, by
Georg Jayne, Werner Bergmann, 12 p.

GERMAN, por, Rayon Zellwolle und Andere Chemiefasern
1956, Vol XXXIV, No 1, pp 27-29.

SLA 59-17101

Sci
Jan 60
Vol 2, No 8

105,574

Comparison on the Retention of Rosin Acids on
the Papermachine Wire in the Presence of Various
Additives, by Georg Jayne, Werner Dennig,
25 pp.

GERMAN, per, das Papier, Vol XIV, No 9,
1960, pp 408-414.

SLA 61-10015

Sci

146,103

Apr 61

On the Significance of Tension Wood Portion
in Poplars, by Georg Jayme, 6 pp.

GERMAN, per, Holz als Roh- und Werkstoff,
1951, Vol IX, No 5, pp 173-175.

SLA 59-10581

Sci - Chem
OCS I, 12
Jul 59

92, 322

Jayne, George, Demmig, Werner, and Knolle,
Herbert.

THE RETENTION OF STARCH, CMC AND ALGINATE
ON THE WIRE AND IN THE STOCK RECOVERER,
AS DEPENDENT UPON THE QUANTITY INITIALLY
ADDED AND UPON THE DEGREE OF BEATING OF
THE PULP. [1962] Sp. (11 figs. omitted) 10 refs.
Order from SLA \$1.10

62-18075

Trans. of German language article from the Water
and Sewage Research Office of the Cellulose Chemistry
Institute, Darmstadt Technical College [1960].

DESCRIPTORS: Paper industry, Chemical waste,
Cellulose chemistry.

For abstract see Technical Translations 5: 631, 1961.

(Materials--Paper, TT, v. 8, no. 8)

62-18075

- I. Jayne, G.
- II. Demmig, W.
- III. Knolle, H.

0228247

Office of Technical Services

Development and Final Version of the Light
Determination Method According to Jayme-
by Georg Jayme, Herbert Knolle, Gerd
8 pp.

GERMAN, per, das Papier, Vol. XII, No. 197, 1971
pp 464-467.

SLA 53-153-0

Sci
Doc 39
Vol. 2, No 4

103, 116

Cadmium Amino Complex Bases as Cellulose Solvents,
by Georg Joyme, Karlheinz Neuschaffer, 16 pp.

GERMAN, *per*, Makromolekulare Chemie, Vol XXIII,
No 1, 1957, pp 71-83.

BIA 59-10751

Sci
Nov 59
Vol 2, No 3

101, 531

Secondary Fluorescence in Bleached Sulphite and Sulphate Pulp, by Georg Jayme, Gerhard Bauer, Marianne Harders-Steinhauser, 10 pp.

GERMAN, per, Das Papier, Vol XI, No 8 23/24, 1951, pp 536-539.

SLA 59-10279

Sci - Engr

OTS I, 9
Jun 59

89,542

A Simple Color Reaction for the Identification of
Wet Strength Papers Made With Aminoplasts, by
Friedrich Branscheid, Georg Jayme, 20 pp.

GERMAN, per, Das Papier, Vol VIII, 1954, pp 43-48.

S.L.A. Tr ~~EDDIX~~⁸
No 292/1955

Sci - Chemistry
Jan 1957 CTS/dex

44, 948

61-16555

Jayram, B. N.

DIGITAL COMPUTATION OF IMPULSE VOLTAGE DISTRIBUTION IN TRANSFORMERS. Excerpt from Dissertation, Hannover U. (West Germany). 20 May 61, 20p. (12 figs. 6 refs. omitted) 4 refs. Order from SLA \$1.60

I. Jayram, B. N.
II. Hannover U. (West Germany)

61-16555

Trans. of ETZ [Elektrotechnische Zeitschrift, Ausgabe] A. [Zentralblatt für Elektrotechnik] (West Germany) 1961, v. 82, no. 1, p. 1-9.

DESCRIPTORS: Digital computers. Voltage. *Transformers. Electric insulation.

A design method for series capacitance is developed which can consider all variations in the design of a transformer. A formula is given for calculation of series capacitance in an interposed disk coil winding. Several computing methods are given for determining the stresses as they result from various shapes in. (Engineering--Electrical, TT, v. 6, no. 6) (over)

Office of Technical Services

The Bangui-Ndjam Railroad, by A. Jusseau.

FRENCH, par, Industries et Travaux d'Outremer, No 72,
1959, pp 741-746. (Call No: HC 279.142, Eng Tr)

AME

HR/A - French Colonies

Esca

May 60

116,908

J-4760 (AY)

(DC-3121).

The Anti-Scientific and Reactionary Nature of
Contemporary Religious Faith, by Neclai
Jderu, 5 pp.

RUMANIAN, np, Contemporanul, 18 Sep 1959, p 6.

JPRS-I-1928-D

ESur - Rumania
Soc - Religion
Nov 59

101,594

A Simple Color Reaction for the Identification of
Wet Strength Papers Made with Aminoplasts, by
G. Jayne, F. Branscheid, 19 pp.

GERMAN, per, Das Papier, Vol VIII, 1954, pp 43-48.

Sci - Chem
Apr 1957

SLA Tr 1618 Jan 1957
#6,179

(DC-6026)

The Development of the Clothing Industry,
by J.E., 9 pp.

HUNGARIAN, per, Ipargudasag, Vol. XIII, NO 4,
1961, pp 35-37.

JPBS 8762

Esur - Hungary

Es on

166, 833

Sep 61

The Determination of Phosphorus and
Arsenic in Steels by a Colorimetric
Method, by M. Jean.

Dutch, per, Analytica Chimica Acta,
Vol. XIV, No. 2, 172-.

Broken Hill Prop. Co. L.
(CRL/T)

Sci - Min/Met
Dec 61

Colorimetric Determination of Aluminium in Steel,
by M. Jean. UNCL

GERMAN, WET Anal Chim Acta, Vol X, 1954,
pp 526-553.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98,207

Chlorine analysis in the series of ...
polyacetylene, L. J. ...

... per, Chis ...
pp 163-172.

...

...
Jul 99

...

Photometric Analysis of Aluminium-Base
Alloys, by M. Jann.

ANAL. CHIM. ACTA, Vol VII, 1952, pp 523-
530.

TPA3/TII: T-4163

Scientific - Chemistry

Aug 54 CTB

16,394

The Role of the Electron Cloud in the Phenomena of
Radioactivity, by R. Daudel, M. Jean, 5 pp.

FRENCH, per, Comptes Rendus, Vol CCXXIX, 1949, pp
354-356.

AEC Tr 3084

Sci - Phys

35, 753

Nov 57

On the Determination and Practical Importance of the
Chemical Nature of Electropolished Metal Surfaces,
by P. A. Jacquet, M. Jean

FRENCH, Rev. Metall., 48, 537-547, 1951.

Associated Electrical Industries, LTD
Tr No T/433 02/1951

Scientific - Metallurgy

A. H. J.

Jean, R. and Reverdin, D.
THE TOTAL COUPLING SWITCH TUBE (Le Tube de
Commutation à Couplage Total). Aug 58 [46]p. 8 refs.
Order from SLA m\$3.30, ph\$7.80 61-10417

Trans. of Annales de Radioélectrice (France) 1956,
v. 11, no. 44, p. 165-183.

The principle of the new TR tube, denominated total coupling tube, is based on the use of a total coupling directional window located in the side of the wave guide connecting the radar transmitter to its aerial, this window being ionized by the high UHF power at each transmitted pulse. When an echo is received all of the power coming from the antenna passes through the total coupling window into the auxiliary guide towards the receiver. The high power and low power operation of the tube described is treated on the basis of theoretical and experimental data. The essential characteristics of a total coupling tube in the 3 cm band are its pass-band (8 600 to 9 500 Mc/s), its insertion loss (0.7 db (Engineering--Electronic, TT, v. 5, no. 7) (over)

61-10417

1. Transmit-recv tubes--
Theory
 2. Electronic switches--
Theory
- I. Jean, R.
 - II. Reverdin, D.

Office of Technical Services

Total Coupling Commutation Tube, by R. Jean and D.
Reverdin, 39 pp. (AF-745213)

FRENCH, per Radioelectricite, Vol. 11, Nr. 4, Apr 56,
pp 165-183

ATTC F-TS-9154/V

56,330

Sci - Electronics, Electricity
Dec 57

Criteria for Determining Instability Due to
Temperature Changes During Transient Reactor
Operation, by R. D. Jean, R. J. Deary 6 pp.

RUSSIAN, per, Atom Energ, Vol IX, No 3, 1960,
pp 375-379.

CE

Sci

172, 187

Oct 61

Use of a Moving Bed Ion Exchange
Column for Plutonium Purification, by
S. Jean.

UNKNOWN, source unknown.

•AEC

S JEAN

JEP
1965

Contribution to the Study of the Layout of Inlet
Systems Used in Sand Moulding, by M. Jeannelas,
G. Cohen de Lara.

FRENCH, par, Fontaine, Nov 1961, pp 35-36.

HSI 2666

Sci - Engr
May 63

230,737

Study of the Contamination of Livestock During
Periods of Radioactive Fall-Out, by G. Michon,
L. Jammaire, 30 pp. 18
FRENCH, Essai d'Etude de la Contamination
du Cheval en Période de Retombées Radioactives
1963. 9234635
AEC-HW-Tr-73

Sci-Biol & Med
Sep 64

267,125

Meeting of the "Cie Generale Transatlantique"
(Report on Operation, Cost and Financing of Re-
newal Program), by Mr. Jean Marie, 6 pp.

FRENCH, per, Journal de la Marine Marchande,
9 Jul 1959.

Dapt of Commerce
Maritime Admin
Off of Prop and Supp
Div of Office
Serv (Loan)

WE - France
Scen
Oct 59

98,866

Investigation of Shock Front and Luminous
Front in an Electromagnetic Shock Tube,
by P. Jeanmaire, H. Klingenberg, 13 pp.
GERMAN, per, Zeit für Natur, Vol XVIIIa,
1963, pp 318-322. PS0001778
Dept of Navy/ONI Tr No 2245

P. JEANMAIRE

Sci - Elect & Elec Engr
Feb 67
COPYRIGHT

310,819

Flow Behind the Shock Front in a T-Tube,
by P. Jeanmaire, 82 pp.

85

GMUW, rpt, Wissenschaftlicher Bericht,
Die Strömung hinter der Stoßfront in
einem T-Rohr No 9/53, August 1953.

WZL J-4887
ID 2204041566

P. Jeanmaire

Sci-Elect/Engr
Aug 66

307,306

Testosterone Prophylaxis of Adrenal Atrophy Due to
Cortisone Therapy, by J. Turiaf, L. Zisine, Y. Jean-
jean, 9 pp.

Full translation.

FRENCH, per, Presse med., Vol LXXI, 1953, pp 825-826.

S.L.A.

Scientific - Medicine

27,466

Aug 55

Breguet 941. 942, by Pierre Jeandrain.

FRENCH, art, Air Revue, 1960, pp 224-227.

142 MI, Linguist Co

ACSI 13-8045

TD-2156416

166, 337

WE - France

MI1

12 Sep 61

Collagen A, Collagen B and Gelatine, by Emile
Cherbuliez, Jean Joussier, Hart H. Mayer, 2 pp.

FRANCE Societe de Biologie et de ses
Filiales, Comptes Rendus des Seances, Vol LIV,
1937, pp 122, 123.

ELA 60-10830

Sci
Jan 60
Vol III, No 6

119,130

2

Study of Ocular Movements Observed in Man in the
Course of Waking and of Sleep, by M. de Jenkinson,
J. Noiret, 5 pp.

FRANCE, par, Comptes Rendus des Seances de la
Societe de Biologie, Vol CXXI, 1962, No 8-9, 1962,
pp 1407-1410.

HR 7-24-63

Sci - Biol & Med
Sep 63

344,308

The Fuel Cycle in France for the System of Natural
Uranium-Graphite Gas Reactors, by R. Bouscard,
G. Jeannerre, et al, 47 pp.
FRENCH, rpt. Rept. No. 9-14 Sep 1963.
9222239
AEC-Tr-6329

Sci-Phys
May 64

259,719

International Technical Assistance,, by
M. Jean-Pijoulat, 32 pp.

R *Revue des*
FRENCH, per, *PTT de France*, March-April 1958,
pp 1-17.

USASIA: SC-347/a/60

Sci - Electron

170

Oct 61

~~170~~, 661

54

Botanical Field Trip in the Vietnamese
Democratic Republic, by Joseph J. Simpson.
BUNNIAI BAI, per, Botanical Magazine,
Vol. 90, No. 1, 1977, pp. 70-75.
NOBI J-001
in the field

Joseph J. Simpson

1977
1977
Nov 1977

1977

**Geotechnical Maps, Certain Principles in Their
Preparation, by M. Humbart, A. Jeannotte, 9 pp.
FRENCH, par, Annales de Géographie du Maroc,
Notes Marocaines, No 1, 2, 1952.
ACSI I-3571-C
ID 2250291**

**Africa - Morocco
Geog
Jul 64**

263,390

Jeanprost, Charles.

PROCESS OF SEPARATING SALTS AND THEIR MIXTURES. [1963] 2p.

Order from OTS or SLA \$1.10

63-14516

63-14516

I. Jeanprost, C.

II. Patent (France) 669 100

Trans. of French patent 669,100, appl. 24 Apr 28, pub. 12 Nov 29.

DESCRIPTORS: *Salts, Material separation, *Flotation (Separation), *Nitrates, *Chlorides, *Sulfates, Mixtures.

The invention concerns the use of a saturated solution of the soluble part of a mixture to be treated as a medium permitting the separation into several parts of the said mixture introduced in a state of suspension into the solution; the said separation being effectuated by means of a physical-chemical process. (Relative or absolute floatability with or without reagents, conductivity, permeability and dielectric power). (Author) (Chemistry--Physical, TT, v. 10, no. 6)

Office of Technical Services

Blindness in Syria (Statistics on a Series
of 232 Subjects), by R. Jhejian. 68
FRENCH, per. J Optal Soc, Vol XIX, 1957.
pp 11-16.
MBW NIH No 5-20-66

Jhejian R.

Sci - 8/M
Jun 66

302,384

Gords in Glass - a Consequence of the
"Dyactive" Behaviour of "Schieren", by
H. Jabsenharvedel,

GERMAN, per, Glastechnische Berichte, Vol XXIX,
No 7, pp 269-275. 1956

C.S.I.R.O.

Bei - Chen

May 60

116,927

Interfacial Energy Causes of the Substructure
of Paint Films. A Contribution to the
Morphology of Paint, by H. Jepsen, G.
Marwedel.

GERMAN, per, Farbe und Lack, Vol LXVI.
1960, pp 314-330.

CSIRO

Sci - Chem
Jan 62

203, 348

Gas Separation in Bubble Form of Sulphate-Bearing Glass Melts, by H. Jbsen-Marvedel, 29 pp.

GERMAN, per, Sprechsaal, Vol LXXV, No 13/14, 1942, pp 120-121ff.

BIA 60-18769

Sci

146,122

Apr 61

The Representation in the Laboratory of Industrial
Melting Processes, by H. Johnson-Starvedal, A. Becker.

GERMAN, par, Glastech Ber, Vol XIII, No 4, 1935,
pp 109-113.

ASLIB-GB105

Sci

Aug 59

94,180

The Structure at the Edge of Water Droplets
in Contact with Glass and Its Significance,
by Hans Jøbsen-Marwedel, 8 pp.

GERMAN, per, Glasstech Ber, 1956, Vol XXXI,
No 4, pp 128-130.

SLA 59-10618

Sci - Phys
OTS I, 12
Jul 59

97, 302

Analysis of the Range of a Fracture in Flat Glass,
by Hans Jensen-Marvedel, 6 pp.

GERMAN, per, Glastech Ber, Vol XXXI, No 3, 1958,
pp 93, 94.

SLA 59-10933

Sci - Chem
Sep 59
Vol 2, No 1

97, 920

**Rhythmic Precipitation on Glass Through
Delayed Diffusion (Liesegang Rings), by
Einar Jøben-Mørvedal, 14 pp.**

**OSWALD, per, Glasstech Ber., 1958, Vol XXXI,
No 8, pp 311-315.**

ELA 99-10939

**Sci - Phys
OSW I, 12
Jul 59**

92, 301

The Melting and Dissolving of Sand in Glass,
by Hans Jøhann-Marvødal, 20 pp.

OSRAM, per, Glasstech Ber, 1957, Vol XII,
No 4, pp 122-129.

SLA 59-10613

Sci - Chem
OS I, 12
Jul 59

92, 300

**Dynactive Liquid-Pairs, Their Behavior and
Practical Significance for Glass Melting,
by Hans Jøben-Marvedal, 21 pp.**

**GERMAN, par, Glastechnische Berichte, 1956,
Vol XXIX, No 6, pp 233-238.**

SLA 59-10608

**Sci - Chem
OBS I, 12
Jul 59**

92, 299

Johann-Marwedel, H. and Dinger, K.
TEMPERATURE OF EQUILIBRIUM OF THE GAS
CONTENT OF DIFFERENT MOLTEN GLASSES,
AS A CRITERION OF REFINING (La Température
d'Équilibre de la Teneur en Gaz de Différents Verres
en Fusion, comme Critérium de l'Affinage). [1963]
[18]p. (foreign text included) 4 refs.
Order from SLA \$1.60

63-14034

Trans. of Verres et Refractaires (France) 1967 (v. 1)
Aug. p. 19-25.

DESCRIPTORS: *Glass, Temperature, Gases, Bubbles,
*Thermodynamics.

The temperature at which the equilibrium of the gases
which it contains begins to be broken varies con-
siderably from one type of glass to another. It un-
doubtedly depends on the quantity of heat brought to the
(Materials--Ceramics, TT, v. 10, no. 5) (over)

63-14034

I. Johann-Marwedel, H.
K. Dinger, K.

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Office of Technical Services

Johsen-Marwede, Hans.
THREADS IN GLASS: A RESULT OF DYNACTIVE
BEHAVIOR OF STRIATIONS (STREAKS) ("Fäden" im
Glas--eine Folge "Dynaaktiver" Verhaltens von
Schlieren). lecture at the Glass-[Technology Meeting]
(no. 30) Tubingen, 16 May 56; Communication [no.]
68 Relating to Glass-Technical Manufacturing Errors.
[1963] [30]p. (foreign text included) 11 refs.
Order from SLA \$2.60

63-14025

Trans. of Glastechnische Berichte (West Germany)
1956, v. 29, no. 7, p. 269-275.

DESCRIPTORS: *Glass, Smelting, Fibers, Hydro-
dynamics, Liquids, Tests, Surface tension,
Deformation.

From two areas of a pair of liquids of a smelt which
adjoin each other at the surface, the one of the
(Materials--Ceramics, TT, v. 10, no. 3) (over)

63-14025

- I. Johsen-Marwede, H.
- II. Title: Glass-Technology...
- III. Title: Glass-Technical...

1242643

Office of Technical Services

About the Leachability of "Ambulant" SO_3 from
Gas-Treated Glass Surfaces and Its Bonding to
the Building Constituents of the Glass, by
Inge Hilgenfeldt, Hans Jøbsen-Jarvedel, 45 pp.

GERMAN, per, Glastechnische Berichte, 1958,
Vol XXXI, No 5, pp 161-170.

SLA 59-10936

Sci - Chem
OFS I, 12
Jul 59

92, 298

~~Jebeon-Marwedel, Hans.~~

MATERIAL TRANSPORT DUE TO FORMATION OF
NEW BOUNDARY SURFACES AND DOMAINS ON THE
SURFACE OF VISCOUS MEDIA (MODEL LIQUID:
LACQUER) (Materialtransport über die Neubildung von
Grenzflächen und Partikeln an der Oberfläche
Zähflüssiger Medien). Modified and shortened version
of a lecture from Glass Technology Meeting (no. 34)
Berlin, 3 May 60. [1963] [19p] (foreign text included)
16refs

Order from SLA \$1.60

TT-63-20366

Trans. of Glastechn[ische] Ber[ichte] (West Germany)
1960, v. 33, no. 11, p. 421-425.

DESCRIPTORS: *Glass, Surface properties, Models
(Simulations), *Fluid flow, Shear stresses,
Photographic analysis.

(Materials--Ceramics, TT, v. 11, no. 3)

(over)

TT-63-20366

- I. Title: Flow visualization
- I. Jebeon-Marwedel, H.
- II. Title: Glass...

Jebsen-Marwedel, Hans.

TWO LAYER GLAZES IN CERAMICS AND ENAMELING AS ANALOGUES TO MATERIAL INTERCHANGE PROCESSES AT THE SURFACES OF INHOMOGENEOUS GLASS MELTS [Keramische und Emailtechnische Zwischichtglasuren als Analogon zu Substanzwechselforgängen an der Oberfläche inhomogener Glasschmelzen]. [1960] [25]p. 15 refs. Order from SLA mi\$2.70, ph\$4.80 61-10507

Trans. of Glasstechnische Berichte (West Germany) 1958, v. 31, no. 11, p. 431-438.

It is shown that surface energy processes which take place at the surfaces of glass melts greatly affect the material interchange. They occur in an analogous way in ceramic two layer glazes, and in enameling, and thus afford an explanation for certain decorative effects as well as for the troublesome effect of a gas phase in the form of bubbles within the glaze or enamel layers. The analogy of the two fields affords (Materials--Ceramics, TT, v. 5, no. 8) (over)

61-10507

1. Glass--Melting
2. Glass--Surface tension
1. Jebsen-Marwedel, H.

Office of Technical Services

"Pathology" in Technology, by H. Jepsen-
Marwedel.

GERMAN, par, Sprechsaal, Vol XCII, No 5,
1959, pp 96-100.

CSIRO

Sci - Med
Oct 61

171, 381

Jebsen-Marwedel, H. and Dinger, K.
IMPORTANCE OF SURFACE TENSION IN THE
MELTING OF GLASS (Role de la Tension Superficielle
dans la Fusion du Verre). [1960] [18]p. (foreign text
included) 10 refs.

Order from SLA ml\$2. 40, ph\$3. 30 60-18772

Trans. of Institut du Verre. Bulletin (France) 1946,
no. 5, p. 15-21.

Tests show that the disappearance of the striae of lower
tension than that of the surrounding medium as well as
the existence of defects in the boundary surfaces are
due to the surface tension. A cullet of a higher surface
tension than that of the composition glass should not be
used when melting glass. The considerable influence
is shown of the reducing atmosphere of the furnaces on
the surface tension of the vitreous mass and on the dis-
placement of the layers, by which it is possible in the
manufacture of amber yellow glass, to obtain a regular
coloration. (Author)

(Materials--Ceramics, TT, v. 5, no. 2)

60-18772

- I. Glass--Melting
1. Jebsen-Marwedel, H.
- II. Dinger, K.

Office of Technical Services

(DC-2900)

PROBLEMS OF COOPERATION BETWEEN MACHINE
BUILDING AND CHEMICAL INDUSTRY, BY
H. JECHOREK, J. NEUMANN, 6 PP.

GERMAN, PER, DIE WIRTSCHAFT, VOL XVII, NO 22,
30 MAY 1962, P 13.

JPRS 14678

EUR - GERMANY
ECON .
AUG 62

205,960

(SF-1855/7)

Mechanical Engineering as the Leading Force in the
Development of Chemical Equipment, by Heinz Jechorek,
4 pp.

GERMAN, per, Chemische Technik, No 10, 1960, pp 565-566

JPRS 4952

ESur - E. Germany

169,053

Econ

Sep 61

TT-62-26725

Jecht, W.
LES CAUSES DE RUPTURE ET D'ENDOMMAGEMENT
DES TIGES DE FORAGE ET DES TIGES LOURDES
AINSI QUE DES DEGATS QU'ON PEUT LEUR OCCA-
SIONNER (The Causes of Rupture and Damage of
Boring Rods and Driving Rods). 8p. CNRS-XXV 345.
Order from OTS, ETC or CNRS \$0.80 TT-62-26725

Trans. in French of Nafta (Yugoslavia) [1959] v. 10
p. 337-339.

DESCRIPTORS: *Drills, Drilling machines, *Mining
engineering, Rotation, Vibration, Stabilization,
Fracture (Mechanics).

(Machinery--Machine Parts, TT, v. 11, no. 6)

I. Jecht, W.
II. CNRS-XXV 345
III. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translation Centre

Appearance of SH Groups for the Enzymatic
Activity. Studies on Lactate Dehydrogenase
From Hog Heart, by C. Pfleiderer, D. Weidol,
M. Wieland, 5 pp.

Enzymes, pp. Arch. Eur. Biochem. and Biophys.
Vol. LXXXIII, 1959, pp 276-281.

EXE 1-2-60

Sci - Biol

107, 573

Feb 60

5
Electronics in Warfare, by J. Jacnon.
CZSCH, bk, Elektronika v: Vojenstvi,
1964, pp 1-238.
*FTD-WI-65-477

57

Sel - Hloc
Aug 66

J. Jacnon

✓ (FID 27759)

Ore Prospecting by Chromatography, by A. Joczalik, 4 pp.

POLISH, no par, Przegled Geologiczny, No 3, Mar 1956,
Warsaw, p 124.

CIA/FID U-8430

Hub - Poland
Sci - Geophysics

~~74-555~~

8 2

The Influence of Phosphorus and Sulphur on the
Mechanical and Technological Properties of Platinum
and Palladium, by A. Joffe, 11 pp.

GERMAN, per *Metallkunde*, Vol XXVII, No 12, Dec
1955, pp 271-275.

S.I.A. Tr 469/1956

Eber - Germany
Scientific - Minerals/metals

36,604

OSHER, G., JENSEN, A.

The Diffusion of Metals in the Solid State: Diffusion and Corrosion of Copper-Nickel Alloys
Z. Elektrochem., ~~1932~~ XIXVIII, 1932, pp. 79-807.

Atomic Energy Research Establishment Harwell
Translation

11/3/5/89
P 22009T
Germany

A-3651

61-16541

Jedlicka, H.
GRAPHITE COMPOUNDS AS ACTIVE MATERIALS IN
GALVANIC CELLS, PARTICULARLY IN THE
SECONDARY CELL. 3 Apr 61 [3]p.
Order from SLA \$1.10

61-16541

L. Jedlicka, H.

Trans. of Z[eitschrift für] Naturforsch[ung] (West
Germany) 1947, v. 2a, p. 534-535.

DESCRIPTORS: *Storage batteries, *Graphite com-
pounds, Electrodes, Electrochemistry.

Office of Technical Services

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

When Will We Take a Trip to the Moon?
by I. M. Jedlicka, 4 pp.

CZECH, mp, ZemsáFlake Noviny, Sep 23, 1961.
9673514

FID-TR-61-365

Sci - Space/Aer

2 Mar 62

186,963

(SF-1860)

Amperometric Estimation of Chlorides in Meat of
Animals Treated With Bovinol and Antrix, by
A. Pasek, J. Marhoulova, V. Jedlicka, 7 pp.

CZECH, per, Ceskoslovenska Hygiene, Vol VI, No 2-3,
1961, pp 144-148.

JPRS 4858

Sci - Med

166,092

Sep 61

(BF-1626)

Oscillographic Determination of Contamination
in Foodstuffs in Czechoslovakia, by V. Jedlicka,
A. Pasek, 8 pp.

CZECH, per, Chemické Zvesti, Vol XIV, No 11-12,
1960, pp 757-761.

JPRS 4857

Sci - Chem

166,088

Sep 61

SHINE AND JUNE, BY WITOLD JEDLIKI, 42 PP.
GOVERNMENT USE ONLY

POLISH, PER, BELTONA, NO 12/152, DEC 1, 62,
PP 3-31.

JPN 17598

EDR - POLAND
POL
MAR 63

204,321