

Influence of the Tension-wood Fraction on the
Chemical and Technological Usefulness of Poplar,
by G. Jayne, et al, 18 pp.

GERMAN, per, Das Papier, Vol V, No 19/20, 1951,
pp 411-417.

S.L.A.Z Tr No 291/1955

Sci - Chemistry
Jan 1957 EE CTS/dex

44,947

Investigations Into the Fine Structure of
Bordered Pit Membranes in Spruce, Based
upon a Method of Wet Preparation, by
G. Jayne, F. Dietrich.

GERMAN, per, Holz Als Roh- und Werkstoff,
Vol XVII, 1959, pp 226-230.

CSIRO 4908

Sci - Biol.
Jul 62

207.637

Jayne, G. and Jerratsch, H. J.
THE K₂ METHOD, A MODIFIED KAPPA NUMBER
DETERMINATION FOR SEMI-CHEMICAL PULPS OF
MORE THAN 70% YIELD. Mar 61, 9p. (4 figs.
omitted) 6 refs.
Order from SLA \$1.10 61-14924

Trans. of das Papier (West Germany) 1960, v. 14,
no. 12, p. 718-723.

DESCRIPTORS: *Wood pulp, *Potassium,
*Permanganates, Oxidation, Determination.

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

61-14924

I. Jayne, G.
II. Jerratsch, H. J.

Office of Technical Services

Making of High Yield Spruce Pulp by Rapid
Magnesium Bisulphite Cooking, by G.
Jayne, L. Broschinsky, W. Matzke.
GERMAN, per, Papier, Vol. 18, No. 7, 1964,
pp 308-315
NRC Ref: C-5723

G. Jayme

Sci -
Aug 67

337-430

Making of High Yield Spruce Pulp by Rapid
Magnesia Bisulphite Cooking. 2. Vapour
Phase Cooking by Direct Heating, by G.
Jayne, W. Matske.

GERMAN, per Pap Fabr. Vol. 92, No. 11/12,
1964, pp 311-314
NRC Ref: C-5724

G JAYME

Sci -
Aug 67

337-431

Jayne, George; Gasche, Urs; and Duback, Max.
MECHANISMS IN ACID SULPHITE COOKING WITH
CALCIUM OR SODA BASE. [1962] [15]p. 22 refs.
Order from SLA \$1.60 62-18917

Trans. of the Paper (West Germany) 1961, v. 15,
p. 538-546.

DESCRIPTORS: *Wood pulp, *Sulfites, Processing,
Mechanical properties, *Paper industry, Manufacturing
methods, Chemical analysis.

(Materials--Wood, TT, .. 9, no. 7)

62-18917

I. Jayne, G.
II. Gasche, U.
III. Duback, M.

62-18917

Office of Technical Services

A Method for the Production of Fluorescent
Stamp Paper, by G. Jayme, G. Inzer. 21p.
GERMAN, Patent 1 181 237.
SLA TT-66-10549

G. Jayme

Sci-MEM
Jul 66

306,119

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 IX, No 3-4, Feb 1955,
pp 51-58.

BLA 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, per, Monatsch Chem, Vol LXXXVII, No 1,
1956, pp 8-23.

SLA Tr 57-808

Sci - Chemistry

53,324

Sep 57

62-12448

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, Measure-
ment, Oxygen, Chemical reactions.

In continuing the investigations of the sodium-ferri-
tartaric 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)

- 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.
Kochle, 5 pp.

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

ENC 17 57-1729

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Jul 56

67, 944

The Polymeric Content of Some Celluloses
and of Hemicelluloses and Hemicelluloses Pre-
pared from them, by G. Jayne, G. Hahn, 3 pp.

GERMAN, per, Holzforschung, Vol XIV, No 2,
1960, pp 52-55.

CSIRO TR 5142

Sol - Biol
Nov 61

174,305

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 250.

SLA 2835

Sci
May 58

63,726

**Production Of Tannin and Poly From Young Black
Lowest Wood by G. Jayne and H. Sengler.**

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

CSIRO Tr 3872

Oct. 62

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

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

SLA Tr 57-675

Sci - Biol

53,131

Sep 57

Properties of Spruce Sulphate Pulp in a
State of Biological Preservation, by G. Jayne,
L. Kohler, 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
OTE 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 pulp 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. Barbers-Steinhayser, 10 pp.

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

ATS-~~1~~1W:4G
3

Sci

196, 868

May 62

Vol 4, No 10

61-16800

Jayne, G.
REACTIVITY OF CELLULOSE. [1961] 12p. (13 figs.
[refs.] omitted).
Order from SLA \$3.60

61-16800

I. Jayne, 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. Jayme, U
Schemk.

FRANCE, par, Cellulose Chemie, Vol. 22, 1966, pp 54.
CER.CA/

G. JAYME

Sci -
July 1967

334,015

Cadoxen, A New, Colorless, Aqueous Solvent for
Cellulose and Its Application, by Georg Jayme,
9 pp.

GERMAN, per, Das Papier, Vol XII, No 23, 1956,
pp 624-632.

SLA 60-1627

Sci

188,064

Vol 4, No 1

Mar 62

**Stereoscopic Electron Microscopy in Pulp and
Paper, by Georg Jagne, Oskar Burger, 2 p.
Photo Captions of Holzforschung
GERMAN, par, 1959, Vol XIII, No 1, pp 1-6.**

SLA 59-20048

Sci
Feb 60
Vol 2, No 10

108,902

61-10769

Jayne, George, Crönert, Horst, and Neuhaus, Walter.

CHANGES IN COLLOIDAL-CHEMICAL PROPERTIES OF CELLULOSE FIBERS PRODUCED BY HIGH FREQUENCY TREATMENT, 1. 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.

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

Office of Technical Services

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

Changes in Colloidal-Chemical Properties of Cellulose
Fibers Produced by High Frequency Treatment, by
George Jayne, Horst Griebert, ~~Walter~~ 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

61-10742

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 ml\$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)

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

Office of Technical Services

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

61-10740

Jayne [George, Crbnert, Horst, and Neuhaus, Walter].

CHANGES IN COLLOID-CHEMICAL PROPERTIES OF CELLULOSE FIBRES PRODUCED BY HIGH FREQUENCY TREATMENT, II. Jan 61, 5p: (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] [10p].

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. Stirrers--Design
- I. Jayne, G.
 - II. Crbnert, H.
 - III. Neuhaus, W.

Office of Technical Services

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

Jayme 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

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.

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

61-10903

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

Office of Technical Services

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] 8p. (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.

Office of Technical Services

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

GERMAN, per, 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 Demmig,
25 pp.

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

SLA 59-10581

Sci - Chem
OBS 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] 8p. (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.

C223247

Office of Technical Services

Development and Final Version of the Lignin
Determination Method According to Jayme-Knolle,
by GEORGE JAYME, Herbert Knolle, Gerda Rapp,
8 pp.

GERMAN, per, das Papier, Vol XII, No 17/18, 1952,
pp 464-467.

SLA 59-15362

Sci
Dec 59
Vol 2, No 4

103,116

Cadmium Amine Complex Bases as Cellulose Solvents,
by Georg Jayme, Karlheinz Neuschaffer, 16 pp.

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

SIA 59-10751

Chloroform

C.S.I. 8.3

101, 531

Sci
Nov 59
Vol 2, No 3

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

GERMAN, per, Das Papier, Vol XI, No 8 23/24, 1957, 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.I.A. Tr ~~XXXX~~^e
No 292/1955

Sci - Chemistry
Jan 1957 CTB/dex

44,948

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 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, *Trans-
formers, 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)

61-16555

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

Office of Technical Services

The Bangui-Coud Railroad, by A. Jazeau.

FRENCH, *rev.*, Industries et Travaux d'Outremer, No 71,
1959, pp 741-746. (Call No HC 279.142, Bag Tr)

AMS

HE/A - French Colonies

Recon

May 60

116,908

J-4760 (AY)

(DC-3121).

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

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

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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, Ipargazdasag, Vol XIII, NO 4,
1961, pp 35-37.

JPRS 8762

Esur - Hungary

Econ

166,833

Sep 61

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

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

Broken Hill Prop Co Ltd
(CRL/T 5)

Sci - Min/Met
Dec 61

175, 236

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

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

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98,207

Colorimetric Analysis in the Series of Hetero-
polycyclics, by Jean, M.

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GERMAN, par, Chim Anal, Vol XXXVII, No 5, 1955.
pp 163-172.

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Sci
Jul 59

97, 989

The Spectrophotometric Analysis of Aluminium-Base
Light Alloys, by M. Jean.

UTCH, per, Anal chim acta, Vol VII, 1952, pp 523-
60.

TPA3/TIB T-4163

Scientific - Chemistry

Aug 54 CIB

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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

55, 759

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 7/493 CE/195

Scientific - Metallurgy

A-4528

61-10417

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 Radioélectricité (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)

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

Office of Technical Services

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

^(add se)
FRENCH, ~~per~~ Radioelectricite, Vol. 11, Nr. 04, Apr 56,
pp 165-183 CIA 605451.

ATIC F-TS-9134/V

56,330

Sci - Electronics, Electricity
Dec 57

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6

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

RUSSIAN, per, Atom Energ, Vol IX, No 5, 1960,
pp 375-379.

CB

Sci.

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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 H. Jeancoles,
G. Cohen de Lara.

FRENCH, per, Ponderis, Nov 1961, pp 385-396.

REFI 2666

Sci - Engr
May 63

230,737

Study of the Contamination of the Environment
Periods of Radioactive Fall-Out, by G. Michot,
L. Jeannaire, 30 pp.
FRENCH, rpt, Essai d'Etude de la Contamination
du Cheval en Période de Retombées Radioactives,
1963. 9234655
AEC-HW-Tr-73

18

Sci-Biol & Med
Sep 64

267,325

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.

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

WE - France
Econ
Oct 59

98,866

Investigation of Shock Front and Luminous
Front in an Electromagnetic Shock Tube,
by P. Jeanmaire, H. Klingenberg, 15 pp.
GERMAN, per, Zeit für Natur, Vol XVIII,
1963, pp 318-322. ~~PS00171E7~~
Dept of Navy/ONI Tr No 2245

P. JEANMAIRE

Sci - Elect & Elec Engr
Feb 67
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Flow Behind the Shock Front in a T-Tube,
by P. Jeanmaire, 82 pp.

GERMAN, rpt, Wissenschaftlicher Bericht,
Die Strömung hinter der Stoßfront in
einem T-Rohr No 9783, August 1961.

NSA J-3487
ID 2204041546

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 LXI, 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 II-8045
ID-2156416

WE - France

M11

12 Sep 61

166, 334

Collagen A, Collagen B and Gelatine, by Zulle
Cherbulic, Jean Jeanneret, Kurt H. Meyer, 2 pp.

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

IRA 60-10830

Sci
Jan 60
Vol III, No 6

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Study of Ocular Movements Observed in Man in the
Course of Waking and of Sleep, by H. de Jannerod,
J. Mauret, 5 pp.

FRANCOIS, per, Comptes Rendus des Seances de la
Societe de Biologie, Vol CLVI, 1962, No 8-9, 1962,
pp 1407-1410.

HR 7-24-63

Sci - Biol & Med
Sep 63

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The Fuel Cycle in France for the System of Natural
Uranium-Graphite-Gas Reactors, by R. Bouscard,
G. Jeannelle, et al, 47 pp.
FRENCH, rpt, Baden-Baden, 9-14 Sep 1963.
922229
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.

UBASIA: SC-347/a/60

Sci - Electron

Oct 61

170
~~170~~, 661

54

Botanical Field Trip in the Vietnamese
Democratic Republic, by Jozsef Jeanplong.
HERNIMTAN, par, Botanical Kozharskych,
Vol 50, No 3, 1963, pp 79-85.
ACSI J-0710
ID 000000000

Jozsef Jeanplong

175-Vietnam
1111

Geotechnical Maps, Certain Principles in Their
Preparation, by M. Humbert, A. Jeannette, 9 pp.
FRENCH, par, Revue de Géographie du Maroc,
Notes Marocaines, No 1, 2, 1961.
ACSI I-3571-C
ID 2250291

Africa - Morocco
Geog
Jul 64

263,990

Jeanprost, Charles.
PROCESS OF SEPARATING SALTS AND THEIR
MIXTURES. [1963] 2p.
Order from OTS or SLA \$1.10 63-14516

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

DESCRIPTORS: *Salts, Material separation,
*Filtration (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)

63-14516

I. Jeanprost, C.
II. Patent (France) 669 100

63-14516

Office of Technical Services

**Blindness in Syria (Statistics case Series
of 252 Subjects), by R. Jabejian.**
**FRENCH, per. J Optal Soc, Vol XII, 1957,
pp 11-16.**
HEH NH No 5-30-66

68

Jabejian, R.

**Sci - S/M
Jun 66**

302,384

Cords in Glass - a Consequence of the
"Dynaactive" Behaviour of "Schlieren", by
H. Jabsenharwedel,

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

C.S.I.R.O.

Sci - Chem

May 60

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Interfacial Energy Causes of the Webstructure
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
Jun 62

203,348

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

GERMAN, per, Sprechsaal, Vol LXXV, No 13/14,
1942, pp 120-125ff.

SLA 60-18759

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Apr 61

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

GERMAN, per, Glasstech Ber, Vol XIII, No 4, 1935,
pp 109-113.

ASKJD-02105

Sci

Aug 59

94,180

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

GENUIN, per, Glastech Ber, 1956, Vol XXX,
No 4, pp 128-130.

SLA 59-10618

Sci - Phys
ONS I, 12
Jul 59

92, 302

Analysis of the Image of a Fracture in Flat Glass,
by Hans Jebben-Marwedel, 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 Johann-Jarvødal, 14 pp.**

**OSMAN, per, Glasstech Ber, 1958, Vol XXI,
No 8, pp 311-315.**

SLA 59-10939

**Sci .. Phys
OSB 1, 12
Jul 5)**

92, 301

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

CHROM, per, Glactech Res, 1957, Vol XIX,
No 4, pp 122-129.

SLA 59-10613

Sci - Chem
GTS I, 12
Jul 59

92, 300

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

**GERMAN, per, Glastechnische Berichts., 1956,
Vol XXIX, No 6, pp 233-238.**

SLA 59-10608

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

92, 299

Johann-Marxthal, 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

63-14024

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. 3) (over)

63-14024

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

A242040

Office of Technical Services

Jahsen-Marwedel, Hans.
THREADS IN GLASS: A RESULT OF DYNACTIV
BEHAVIOR OF STRIATIONS (STREAKS) ("Fäden" im
Glas--eine Folge "Dynamischer" Vertikens von
Schlieren). lecture at the Glass-[Technology Meeting]
(no. 30) Tübingen, 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. 9) (over)

63-14025

- I. Jahsen-Marwedel, H.
- II. Title: Glass-Technology..
- III. Title: Glass-Technical...

1242643

Office of Technical Services

About the Leachability of "Ambulant" SO_2 from
Gas-Treated Glass Surfaces and Its Bonding to
the Building Constituents of the Glass, by
Inge Hilgenfeldt, Hans Jøbsen-Mørvedel, 45 pp.

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

SLA 59-10936

Sci - Chem
OTS I, 12
Jul 59

92, 298

TT-63-20366

- I. Title: Flow visualization
- I. Jebeen-Marwede, H.
- II. Title: Glass...

~~Jebeen-Marwede, 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 Parzellen 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)

Office of Technical Services

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 Zweischichtglasuren als Analogon zu Substanzwechselforgängen an der Oberfläche inhomogener Glasschmelzen]. [1960] [23]p. 15 refs. Order from SLA m\$2.70, ph\$4.80 61-10507

Trans. of Glastechnische 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

Jensen-Marwedel, H. and Dinger, K.
ROLE OF THE SURFACE TENSION IN THE FUSION OF GLASS [Rôle de la Tension Superficielle dans la Fusion du Verre]. (1961, 6p. (1) figs. (10) refs. omitted)

Order from SLA \$1.10

62-10542

Trans. of Institut du Verre. Bulletin (France) 1949, no. 5, p. 15-21.

Another trans. is available from SLA no \$2.40, ph \$3.50 as 60-18712 (1960, 18p).

DESCRIPTORS: Fused materials, *Glass, *Surface tension, Melting, Manufacturing methods.

For abstract see Technical Translations 5: 62, 1961.

(Materials--Ceramics, TT, v. 7, no. 7)

62-10542

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

197292

Office of Technical Services

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

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

CEIRO

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
- I. Jebsen-Marwedel, H.
- II. Dinger, K.

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(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

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(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

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Sep 61

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)

TT-62-26725

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

Office of Technical Services
European Translation Centre

Importance of SH Groups for the Catalytic
Activity. Studies on Lactic Dehydrogenase
From Hog Heart, by G. Pfeleiderer, D. Jechel,
Th. Wieland, 9 pp.

GERMAN, per, Arch fuer Biochem und Biophys,
Vol LXXIII, 1959, pp 276-281.

HHH 1-2-60

Sci - BIOL

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Electronics in Warfare, by J. Jecmen.
CZCH, bk, Elektronika ve Vojenstvi,
1964, pp 1-258.
*FTD-47-46-477

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Sci - Elec
Aug 66

J. Jecmen

✓ (FD 27759)

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

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

CIA/FID U-8430

EUR - Poland
Sci - Geophysics

~~176-578~~

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

GERMAN, *see* Metallkunde, Vol. XXVII, No 12, Dec
1935, pp 271-275.

S.I.A. Tr 469/1936

EUR - Germany

Scientific - Minerals/Metals

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GRUBB, G., JEDLIK, A.

The Diffusion of Metals in the Solid State: Diffusion and Corrosion of Copper-Nickel Alloys
Z. Elektrochem., ~~XXXX~~ XXXVIII, 1932, pp. 797-807.

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

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

DESCRIPTORS: *Storage batteries, *Graphite compounds, Electrodes, Electrochemistry.

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

Office of Technical Services

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

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

FID-PI-61-365

Sci - Space/Ros

2 Mar 62

186, 963