

Influence of the Methods of Impregnation on the
Absorption of Preservatives in Wood Impregnation,
by B. Koljo, 20 pp.

GERMAN, per, Holz Roh-u. Werkstoff, Vol XII,
Jan 1954, pp 7-15.

SLA Tr 2077

Sci - *Chemistry*

53,323

Sep 57

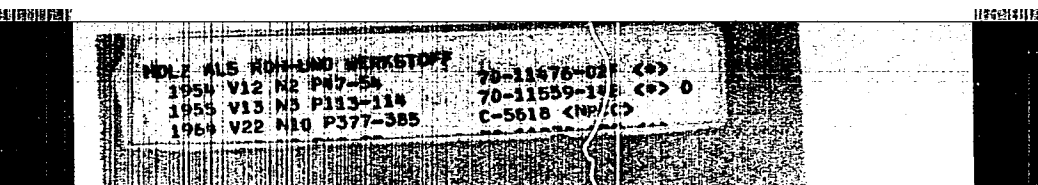
**The Accuracy of Quantitative Growth Analysis,
by R. Keylwerth.**

**GERMAN, per, Holz als Roh- und Werkstoff, Vol
12, No 2, 1954, pp 41-44.**

NTC-69-12791-027

**Sci-Agri
Sept 69**

391,103



ORDER FROM NTC

The Effects of Using Small Diameter Bolts and Shear
Plates on Bearing-Capacity of "Geka" Timber
Connectors, by W. Stoy, H. Lohr, 7 pp.

GERMAN, per, Holz Roh-u. Werkstoff, Vol XII, No 2,
1954, pp 64-67.

SIA Tr 57-658

Sci - Engineering

53,288

Sep 57

A Contribution to Qualitative Growth Analysis,
by R. Keylwerth.
GERMAN, per, Holz als Roh- und Werkstoff, Vol
12, No 3, 1954, pp 77-85.
NTC-69-12792-02F

Sci-Agri
Sept 69

391,104

Investigations of the Fiber Saturation Point in
Beech, Oak, Fir and Spruce Wood, by L. Krpan.
GERMAN, per, Holz als Roh- und Werkstoff, Vol 12,
No 3, 1954, pp 84-91.
NWC-69-12767-111

Sci-Mat
Sept 69

391,238

Recent German-Swedish Contributions to Physics of
Lumber Seasoning, by Franz Kollman, 19 pp.

GERMAN, per, Holz als Roh- und Werkstoff, Jun 1954.

S.L.A. Tr 482/56

Sci - Physics

36,973

Aug 1956

The Present State of the Technology of Waste
Wood Board Manufacture, by F. Kollmann, 25 pp.

GERMAN, per, Holz als Roh- und Werkstoff, Vol XII,
No 4, 1954, ~~XXXXXX~~ pp 117-134.

Sci - Engineering
Apr 1957

SIA Tr 1777 Jan 1957
46, 279

Wood Constituents and the Interstitial
Swelling of Wood, by Leopold Vorreiter, 12pp
GERMAN; per, Holz als Roh- und Werkstoff,
Vol 12, 1954, No 6, pp 223-226
SLA TT-64-20521

Sci - Mat
June 67

327,512

Impregnation of Wood by the Alternating Pressure
Method, by S. T. Henriksson, 31 pp.

GERMAN, per, Holz Roh-u Werkstoff, Vol XII, 1954,
pp 233-241.

SLA 2896

Sci
May 58

TT-64-20515

63,724

Rotting Tests With Wood Impregnated by the Alternating
Pressure Method, by E. Rennerfelt, 11 pp.

GERMAN, per, Holz Roh-u Werkstoff, Vol XII, 1954,
pp 267-270.

SLA 2897

Sci
May 58

63 720

d
Soft Rot. Destruction of Wood Through Common Fungi,
by W. P. K. Findlay, J. G. Savory.

GERMAN, per, Holz als Roh-und Werkstoff, Vol XII,
Mo 8, Aug 1954, pp 293-296.

NACA N-34452

Scientific - Engineering, technology

WEu - Germany

Economic -- ~~WEEK~~ Wood

31,039

Feb 56

Laboratory Experiments - Conducted Under Conditions
Approaching those Found in Actual Practice-
Concerning the Penetration of Liquids into Wood, in
the Course of Cylinder Pressure Treatment, by Heinz
Bellmann, 9 pp.

GERMAN, per, Holz als Roh- und Werkstoff, August 1954,
pp 312-316.

Biology

S.L.A. Tr 973.

Sci - Biology, Physics

33,017

Apr 56

Microscopic Analysis of the ~~Stress~~ End of the Load
Curve in Local Compression Tests, by J. Nisner,
G. Linhardt.

GERMAN per, Holz Als Roh- und Werkstoff, Vol. XII,
1954, pp 329-334.

CSIRO/No 6283

Sci-MEngr

Oct 63

Influences on the Speed of Hardening of Glue-Joints
in the High-Frequency Condenser Field, by E. Egner,
H. Bruning, 16 pp.

GERMAN, par, Holz Roh-u Werkstoff, Vol XII, Sep
1954, pp 334-342.

SLA Tr 1960

Sci -

Engineering 53,290

Sep 57

Further Work on the Strength of Nailed Joints
Using High-Tensile Steel and Various Species of
Timber, by W. Stoy, F. Milynek, 20 pp.

GERMAN, per, Holz Roh u Werkstoff, Vol XII, No 10,
1954, pp 391-402.

SIA Tr 2235

Sci - Engineering

53,317

Sep 57

The Heating of Parallel-Faced Materials Between
Heating Platens and the Determination of the Heating
Time for Gluing of Wood, Especially for the
Production of Chip Boards, by Walter Kull, 18 pp.

GERMAN, per, Holz als Roh-und Werkstoff, Vol XII,
No 11, 1954, 413-418.

SIA Tr 1489/56

Sci - Physics
Mar 57 CTS

45, 241

The Precipitates of the Chromic Arsenate System, by Arthur Simon, Eberhardt Baumgartel, 3 pp.

GERMAN, per, Holz als Roh- und Werkstoff, Vol XII, No 12, 1954, pp 453-454.

2
SLA Tr 1584/56

45, 265

Sci - Chem
Mar 57 CTB

Study of the Recovery of the German Plywood Industry. by F. Kollmar, et al., 1957.

GERMAN, par, Holz als Roh- und Werkstoff, Vol XII, 1957, pp 465-471.

Sci - Engineering
Apr 1977

SLA Tr 1178 Jan 1957

46, 280

Research Work on a Superheated Steam Kiln, by
R. Keylwarth, R. Gaiser, H. Reichsner, 32 pp.

GERMAN, per, Holz Roh-u. Werkstoff, Vol. XIII,
Jan 1959, pp 5-20.

SLA Tr 2405

Sci - Chemistry

53, 322

Reel # 71

The Heating of Parallel-Faced Materials Between
Heating Plates and the Determination of the ~~Heating~~
Heating Time for Gluing of Wood, Especially for the
Production of Chip Boards, by Walter Kull, 16 pp.

GERMAN, per, Holz als Roh- und Werkstoff, Vol XII,
No 11, 1954, 413-418.

SIA Tr 149/56

Sci - Physics
Mar 57 CTS

43, 247

The Precipitates of the Chronic Arsenate System, by Arthur Simon, Eberhardt Baumgartel, 3 pp.

GERMAN, per, Holz als Roh- und Werkstoff, Vol XII, No 12, 1954, pp 453-~~453~~ 454.

2
SLA Tr 1584/56

45, 263-

Sci - Chem
Mar 57 CTS

Study of the Recovery of the German Plywood Industry, by F. Kollman, et al, 19 pp.

GERMAN, per, Holz als Roh-und Werkstoff, Vol XII, No 12, 1954, pp 465-471.

Sci - Engineering
Apr 1957

SLA Tr 1778 Jan 1957
46, 286

Research Work on a Superheated Steam Kiln, by
R. Keylwerth, H. Gaiser, H. Meichsner, 32 pp.

GERMAN, per, Holz Roh-u. Werkstoff, Vol XIII,
Jan 1955, pp 5-20.

SLA Tr 2405

Sci - Chemistry

53,322

Sep 57

Petz, Albert and Cherubim, Martin.
DETERMINATION OF FREE FORMALDEHYDE IN
AQUEOUS SOLUTION OF UREA RESIN (Die Bestim-
mung des Freien Formaldehyds bei wässrigen
Lösungen von Harnstoffharzen). [1960] [18]p. (6 figs.
refs. omitted).

Order from SLA m\$2. 40, ph\$3. 30 60-18450

Trans. of Holz als Roh- und Werkstoff (West Germany)
1955, v. 13, no. 2 [p. 70-75].

143,031

(Chemistry--Organic, TT, v. 5, no. 3)

60-18450

1. Urea-formaldehyde
resins--Chemical analysis
2. Formaldehyde--
Determination

- I. Petz, A.
- II. Cherubim, M.

Office of Technical Services

On the Structure of Weak Linkages in the Fibril
Texture of Native Cellulose Fibres, by H.
Dolmetsch, 18 pp.

GERMAN, per, Holz Roh u Werkstoff, Vol XIII,
1955, pp 85-91.

SLA Tr 2363

Sci - Chemistry

53,319

Sep 57

The Behaviour of Several Indian Species in the
Moist State in the High-Frequency Field, by F.
Kollmon, D. Marayanamurti, 8 pp.

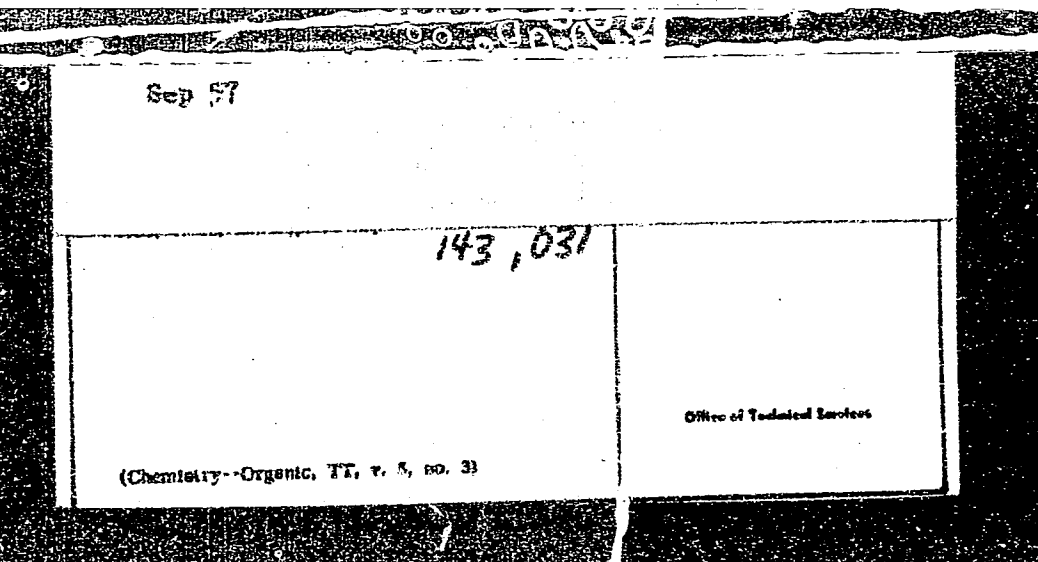
GERMAN, per, Holz Roh-u Werkstoff, Vol XIII, 1955,
pp 91-94.

SIA Tr 2362

Sci - Electricity

53,294

Sep 57



On the Structure of Weak Linkages in the Fibril
Texture of Native Cellulose Fibres, by E.
Dolmetsch, 18 pp.

GERMAN, par, Holz Roh u. Werkstoff, Vol XIII,
1957, pp. 84-91.

SLA 2890
SLA Tr 2363

Sci - Chemistry

53,319

Sep 57

The Behaviour of Several Indian Species in the
Moist State in the High-Frequency Field, by F.
Kellmon, D. Marayanasurti, 8 pp.

GERMAN, per, Holz Roh-u Werkstoff, Vol XIII, 1955,
pp 91-94.

SLA Tr 2362

Sci - Electricity

53,294

Sep 57

Quality Grading and Non-Destructive Tests for
Constructional Timbers, by B. Thunell.

GERMAN, per, Holz als Roh-und Werkstoff, Vol. 13, No. 3
1955, pp 1-1-11
NZDSIR/Ref. 835.

Sci -
Aug 67

335-263

Statistics in Wood Testing, by R. Keylwerth.
GERMAN, per, Holz als Roh- und Werkstoff, Vol 13,
No 5, 1955, pp 169-178.
NTC-69-12763-111

Sci-Mat
Sept 69

391,237

The Problem of Transferring Microstructures of
Native Cellulose Into the Structure of the
Regenerated Fibre, by H. Dolmetsch, 20 pp.

GERMAN, per, Holz als Roh-u Werkstoff, Vol XIII,
No 5, 1955, pp 178-185.

S.L.A. Tr 57-194

Sci - Engineering
May 57

47,779

Electron Micrographs of the Surfaces of Unbleached
Spruce Sulphate and Sulphite Pulps, by G. Jayne, H.
Gunther, 9 pp.

GERMAN, per, Holz Roh- u Werkstoff, Vol XIII,
Jun 1955, pp 212-215.

SLA Tr 2367

Sci - Biol

Sep 57

53,129

The Electron Microscope in the Service of
the Determination of Pinus Species, by A.
Frey-Hysaling, K. Muhlethaler, and H. H.
Bossard, 5 pp.

GERMAN, per, Holz Roh u. Werkstoff, Jul 1955,
p 245.

SLA Tr 57-1724

801

Jul 58

SLA Tr 57-2544

67,988

SLA Tr 57-2302

The Swelling of Timber as a Function of a Number of
Variable Factors Particularly Temperature and Timber
Dimension, by L. Vorreiter, 23 pp.

8

GERMAN, per, Holz Roh-u Werkstoff, Vol XIII, No 8,
1955, pp 301-312.

SIA Tr 57-655

Sci - *Biology*

53,328

Sep 57

Decomposition of the Cell Wall by Wood-Destroying
Fungi and the Submicroscopic Structure of Tracheids
of Spruce and Wood Fibres of Birch, by Hans Meier,
31 pp.

GERMAN, per, Holz Als Roh-und Werkstoff, Vol XIII,
No 9, Sep 1955, pp 323-338.

S.L.A. Tr 1018/1956

39235

Sci - Engineering

The Poisonous Action of Inorganic Salts, α -
Chlornaphtalene and Contact Insecticides of
the Gribble Limoria; by G. Becker, 16 pp.

GERMAN, per, Holz Roh- u Werkstoff, Vol XIII,
No 12, 1955, pp 457-461.

SLA 57-2723

Sci
Aug 58

70,858

The Effect of Timber Properties and Species on
Liquid Absorption in Brief Dipping of Pine and
Spruce, by G. Becker, K. Starfinger, 23 pp.

GERMAN, per, Holz Roh u Werkstoff, Vol XIV, No 1,
1956, pp 1-8.

SIA 57-3403

Sci
Aug 59

94, 540

Wood Drying in a High Frequency Electrical Field as
Carried Out in Practice in Various Countries, by
Friedrich Fessel, 16 pp.

GERMAN, per, Holz als Roh- und Werkstoff. Vol 14,
No 2, Feb 1956, pp 41-47.

S.L.A. Tr 1343/1956

Sci - Electric
Feb 57 CRS/dex

43,545

Interaction between the Preservative Treatment
of Wood and Glue, by W. Knech.
GERMAN, per, Holz als Roh- und Werkstoff, Vol 14,
No 2, 1956, pp 58-67.
HTC-69-12759-11L

Sci-Mat
Sept 69

391,234

Woods Injurious to Health, part of article, by
W. Sandermann, A. W. Barghoorn, 2 pp.

GERMAN, per, Holz Roh-u Werkstoff, Vol XIV, No 3,
1956, pp 92, 93.

SLA 57-1612

Sci
May 58

63,721

Studies on the Liquid Absorption in Dip Treatment
of Pine Spruce Wood. Third Report. Effect of the
Properties of Preservatives on the Liquid Absorption
in Short Dip Treatment of Pine and Spruce Wood, by
G. Becker, K. Starfinger, 15 pp.

GERMAN, per, Holz Roh- u. Werkstoff, Vol. XIV,
Mar 1956, pp 95-100.

S.L.A. Tr 57-134

Sci - Engineering
May 57

47,792

Experiences With Polyester Coatings in the Furniture Industry, by Herbert Niesen, 12 pp.

GERMAN, per, Holz als Roh- und Werkstoff, Vol XIV, No 3, 1956, pp 105-113.

SLA 59-15652

Sci
Dec 59
Vol 2, No 4

103, 106

Supplement to: The Electron Microscope
in the Service of the Determination of
Pinus Species, by A. Frey-Wyssling, K. Muhlethaler,
and H. H. Bosshard, ~~Sci. Rep. 1956~~.

GERMAN, par, Holz Roh-u Werkstoff, Vol XIV,
No 5, 1956, pp 161-162.

Sci

Aug 58

~~Sci~~
NRC

Ref C-2227

69, 834

Influence of Higher Temperatures on the
Electrical Measurement of the Moisture Content
in Wood When Using the Resistance Principle,
by R. Keylwerth, D. Noack, 20 pp.

GERMAN, per, Holz als Roh-u. Werkstoff, May
1956, pp 162-172.

S.L.A. Tr 57-191

Sci - Engineering
May 57

47,794

Investigations on the Outflow of Resin During Wood
Seasoning, by B. Koljo, 19 pp.

GERMAN, per, Holz als Roh-u. Werkstoff, May 1956,
pp 172-181.

S.L.A. Tr 57-198

Sci - Engineering
May 57

47,796

An Explanation of the Typical Corrosion Pattern
in Wood Fibres With Soft Rot, by P. Roelofsen.

GERMAN, per, Holz als Roh-und Werkstoff,
Vol XIV, No 6, 1956, pp 208-210.

CSIRO No 5132

Sci - Chem
Oct 61

Pilot-Plant Investigations on the Impregnation of
Building Wood Through Short Dipping and Steeping,
by W. Bavendamm, H. Anczykowski, 9 pp.

GERMAN, per, Holz als Roh-u Werkstoff, Vol XIV,
No 6, Jun 1956, pp 218-222.

S.I.A. Tr 57-197

Sci - Engineering
May 57

47,791

Electron-Microscopical Investigations of Im-
pregnated Woods, by A. M. Ans, B. Schulze.
GERMAN, per, Holz als Roh- und Werkstoff, Vl 14,
No 7, 1956, pp 252-256.
NTC-69-12758-111

Sci-Mat
Sept 69

391,233

An Instrument for Determining the Flame
Resistance of Wall Panels, by O. Braune.

GERMAN, par, Holz Als Roh- und Werkstoff.
Vol XIV, No 7, 1956, pp 271-277.

CSIRO

Sci - Engr
Aug 62

211,222

On the Anisotropy of Wood Shrinkage, by Hans
Heinrich Bosshard, 32 pp.

GERMAN, part, Holz als Roh- und Werkstoff, Vol XIV,
No 2, 1956, pp 285-295.

BIA 59-15270

Sci
Nov 59
Vol 2, No 3

101,541

W
Cutting Tests on the Bear of Cutter Edges in
Glued Laminated Beech Stock with Differently Glued
Joints, Cutting With and Against the Feed Direc-
tion, by W. Mang, 47 pp,

GERMAN, par, Holz Roh u Werkstoff, Vol XIV, No 9,
1956, pp 339-352.

SLA 58-540

Sci

95,667

Aug 59

Dimensional Stability and Uniformity of
Furniture and Door Panels, by R. Keylwerth.
GERMAN, par, Holz als Roh- und Werkstoff,
Vol 14, No 9, 1956, pp 353-360.
NTC-69-12760-111

Sci-Mat
Sept 69

391,235

The Influence of Various Factors on the
Reduction of Potassium Dichromate in Wood,
by G. Jonas.

GERMAN, per, Holz Als Roh- und Werkstoff,
Vol XIV, No 10, 1956, pp 403-407.

CSIRO 3811

Sci - Biol
Jun 62

201, 111

Taxonomic Significance of the Submicroscopic
Verrucose Structure in the Genus Pinus L, by Walter
Liese, 17 pp;

GERMAN, per, Holz als Roh-und Werkstoff, Vol ^{XIV} ~~14~~,
No 11, 1956, pp 417-424.

SLA 59-10100

Sci - Engr

Jul 59

OTS I, 11

91,038

Studies on the Sorption of the Wood Fibre.
Investigations on the Heterogeneity of the
Water Sorption of the Chemical and Morpho-
logical Components of Lignified Cell Walls,
by R. O. Runckl and M. Luthgens, 30 pp.

GERMAN, per, Holz Roh u Werkstoff, Vol XIV, No
11, 7 Nov 1956, pp 424-439.

Not Re. Quoted Copy
SLA Tr 57-1989

Sci

Jul. 58

67,992

Plastic Deformation and Stress Elimination in
Wood With Special Emphasis on Wood Drying, by H.
Reinbeck, 15 pp.

GERMAN, per, Holz Roh-u Werkstoff, Vol XXIV, No 11,
Nov 1956, pp 442-447.

SIA 57-1166

Sci - Chemistry
Feb 58

58, 535
NRD-44-106

Lumber Kilns, their Design, Installation
Costs and Economy, by M. Reisbaus, 10 pp.

GERMAN, per, Holz Roh-u Werkstoff,
Vol XIV, No 12, 1956, pp 466-472.

SLA 57-3291

Sci

Aug 58

72,513

Experiments with Glue Extenders for Urea Resins, by
H. Neusser, 14 pp.

No 12,
GERMAN, per, Holz Roh-u Werkstoff, Vol XIV, ~~1955~~,
1956, pp 475-482.

ASLIB-GB57

Sci

Aug 58

71,403

Hardboard as a Constructional Material - a Visco-
Elastic Body, by S. A. Lundgren.
GERMAN, per, Holz-als Roh-und Werkstoff, 1957.
CSR Co

EEur-Germany
Econ
Jul 64

262,610

Microscopic Investigations on Steaming of
Red-Beech 2nd Part of Steaming Round Logs,
by E. Plath and L. Plath, 12 pp.

GERMAN, per, Holz als Roh u Werkstoff, Vol
XV-82, 1957, pp 80-86.

712,

SIA 57-3042

Sci

71,415

Aug 58

The Bearing Strength of Nailed Joints Under Static
Load, by A. Meyer, 36 pp.

GERMAN, par, Holz Roh u. Werkstoff, Vol XV, No 2,
1957, pp 96-109.

SLA 58-541

8c1

Aug 59

95, 668

Measurement of Cutting Force and Edge Blunting
in Planing of Wood With Rotating Cutting Move- R
ment, by G. Pahlitzsch, K. Schulz, 24 pp.

GERMAN, per, Holz Roh u Werkstoff, Vol XV, No 4,
1957, pp 159-170.

SIA 57-3506

Sci
Aug 59

94, 543

63-16554

Bailey, I. W.
THE STRUCTURE OF THE PIT MEMBRANES IN THE
TRACHEIDS OF CONIFERS (Die Struktur der Tupfel-
membranen bei den Tracheiden der Koniferen). [1963]
[9]p. 11 refs.
Order from SLA \$1.10

63-16554

Trans. of Holz als Roh- und Werkstoff (West Germany)
1957, v. 15, no. 5, p. 210-213.
Another trans. is available from SLA as 58-750.

DESCRIPTORS: *Trees, *Wood, *Cells (Biology),
*Membranes (Biology), Histology, Electron microscopy

The structure of the pit membranes of coniferous
tracheids varies markedly, not only in different taxa,
but also in different parts of the same tree, and at
times in neighbouring tracheids of a small sample of
wood. These ranges of structural variability deserve
careful consideration in the interpretation of electron
(Biological Sciences--Botany, TT, v. 10, no. 7) (over)

1. Title: Conifers
2. Title: Tracheids
- I. Bailey, I. W.

Office of Technical Services

Investigations on Termite-Proof Wood
Species, by W. Sandermann, H. Dietrichs.

GERMAN, per, Holz als Roh- und
Werkstoff, Vol XV, No 7, 1957, pp 281.-
297.

CSIRO 3679

Sci - Chem

Feb 62''

186,570

Leaching and Fixing of U- and UA-Salt Preservatives in Wood, by G. Z. Jones, 16 pp.

GERMAN, per, Holz als Roh- und Werkstoff, 1957, Vol XV, No 10, pp 418-423.

SLA 59-10174

Sci - Chem
OTS I, 12
Jul 59

92, 323

The Fine Structure of Hardwood Pits, by W.
Liese.

GERMAN, per, Holz Als Roh- und Werkstoff.
Vol XV, No 11, 1957, pp 449-453.

CSIRO 3926

Sci - Engr
Aug 62

207,490

Studies on the Movement of Moisture Through
Wood, by H. Kubler.

GERMAN, per, Holz als Roh- und Werkstoff,
Vol XV, No 11, 1957, pp 5 453-468.

CSIRO

NTC 69-12660-112

190,454

Sci - Biol
Apr 62

Specifications for Wood Fibre Boards: History
of German Specifications and Comparison with
the Specifications of Other Countries, by
Anton Dosoudil, 35 p.

GERMAN, per, Holz als Roh- und Werkstoff, 1957,
Vol XV, No 12, pp 500-511.

SLA 59-20051

Sci
Mar 60
Vol 3, No 1

110, 980

Use of Particle Board in the Building Industry, by
C. A. F. von Thielmann.
GERMAN, per, Holz al Roh-und Werkstoff, 1958.
CSR Co

Sci - Mat/Met
Jun 64

261,234

Studies on Thickness Variation of Hardboard, by
V. B. Kumar.
GERMAN, per, Holz als Roh-und Werkstoff, 1958.
CSR Co

EEur-Germany
Econ
Jul64

262,609

Microstructure of Novopan-Particle Boards, by
H. H. Bosshard.
GERMAN, per, Holz-als-Roh-und Werkstoff, 1958.
CSR Co

Sci - M/M
Jul 64

262,605

Hygroscopical Properties of Fibreboard, by
S. A. Lundgren.
GERMAN, per, Holz als Roh-und Werkstoff,
1958.
CSR Co

Sci-Mar/Met
Jul 64

262,611

Effect of Water Storage on the ~~Amount~~ of Water Which
Can Be Absorbed by Scots Pine Sapwood, by O.
Suolahti, A. Wallen. UNCL

GERMAN, per, Holz a Roh-u Werkst, ~~Vol~~ Vol XVI, No 1,
1958, pp 8-17.

DSIR 34627/CT

Sci - Biol, botany
Mar 59

83,362

The Hygroscopic Properties of Fiberboards,
by A. Lundren.
GERMAN, per, Holz als Roh- und Werkstoff,
Vol 16, No 4, 1958, pp 122-127.
NTC 69-12596-11L

Sci-Mat
Aug 69

389,466

Methods for Testing Base Materials, Half Finished
and Finished Products Used for the Manufacture of
Sandwich Boards With Plastic-Layer Surfaces, by
W. Enzensberger, S. Fibich, 9 pp.

GERMAN, per, Holz Als Roh-und Werkstoff, Vol XVI,
No 4, 1958, pp 132-137.

SLA 59-10477

Sci - Chem
Sep 59
Vol 2, No 1

97,914

Determination of Cutting Forces in Woodworking,
by B. Thunell.

GERMAN, per, Holz Als Roh-und Werkstoff,
Vol XVI, No 4, 1958, pp 138-145.

CSIRO 4024

Sci - Engr
May 62

198, 473

Wood-Destroying Fungi in Sea-Water, by Jan
Kohlmeier, 10 p.

GERMAN, per, Holz als Roh- und Werkstoff, 1958,
Vol XVI, No 6, pp 215-220.

NRCC C-3108

Sci
Mar 60
Vol 2, No 11

109,628

63-10944

I. Stoy, W.

Stoy, Wilhelm.
I-BEAMS WITH CORRUGATED WEB (A SUCCESSFUL
EXPERIMENT IN THE MASS PRODUCTION OF
LAMINATED WOODEN STRUCTURAL UNITS). [1963]
6p. (figs. omitted).
Order from SLA \$1.10

63-10944

Trans. of Holz als Roh- und Werkstoff (West Germany)
1958, v. 16, no. 7, p. 274-276.

DESCRIPTORS: *Beams (Structural), *Wood, Lami-
nates, *Panels (Structural), Production.

(Materials--Wood, TT, v. 10, no. 3)

Office of Technical Services

63-10945

I. Seifert, K.

Seifert, Karl.
THE DETERMINATION OF PHENOLIC RESINS IN
HARDBOARD AND PARTICLE BOARD. [1963] [19]p.
Order from SLA \$1.60 63-10945

Trans. of Holz als Roh- und Werkstoff (West Germany)
1958, v. 16, no. 9, p. 335-340.

DESCRIPTORS: *Phenolic plastics, Plastics, *Lignin,
Reagents, *Fiberboard, Paper, Plywood, Laminates,
Chemical analysis.

(Materials--Plastics, TT. v. 10, no. 2)

Office of Technical Services

Studies in the Field of Wood-Preserving Chemistry
Part VIII. Paper Chromatography and Analysis
of Wood Preservatives, by Hans Hermann Dieckmann,
Wilhelm Sandermann, 15 pp.

GERMAN, per, Holz als Roh- und Werkstoff, Vol
XVI, No 9, 1958, pp 340-346.

SLA 59-15361

CSIRO

Sci - Chem
Dec 59
Vol 2, No 4

102,808

Toxic Sensitivity of Different Strains of Wood-Destroying Fungi, by Martin Gersonde, 10 p.

GERMAN, per, Holz als Roh- und Werkstoff, 1958, Vol XVI, No 11, pp 221-226.

NRCC C-3099

Sci
Mar 60
Vol 2, No 11

109,626

Production and Properties of Low Density Particle
Board, by W. Klauditz, H. J. Ulbricht, 23 pp.
GERMAN, per, Holz als Roh- und Werkstoff, Vol XVI,
No 12, pp 459-466, 1958
SLA 63-18519

Sci-Misc
March 64

252,102

Phenol Resins, by E. Plath.

GERMAN, per, Holz Als Roh-Und Werkstoff,
Vol XVI, No 12, 1958, pp 458-470.

CSIRO

Sci - Chem

193,892

Apr 62

Influence of the Hardening of Urea Resins on
Chipboard Properties, by E. Plath.
GERMAN, per, Holz als Roh-und Werkstoff,
1959.
CSR Co

EEur - Germany
Econ
Jun 64

261,269

61-20488

Kühler, Hans.

ORIGIN OF GROWTH STRESSES AND STRESSES IN
TRANSVERSE DIRECTION [PT. 1] (Die Ursache der
Wachstumsspannungen und die Spannungen Quer zur
Faserichtung). [1961] [30]p. (refs. 11 figs. omitted).
Order from SLA \$2.60 61-20488

Trans. of Holz als Roh- und Werkstoff (West Germany)
1959, v. 17 [no. 1] p. 1-9.
Another trans. is available from SLA ml\$2.70, ph\$4.80
as 60-16492 [1960] [26]p.

DESCRIPTORS: *Trees, Growth, Stresses, History,
Deformation, Tensile properties.

A theoretical transverse stress state in tree stems is
mathematically derived by the assumption that the cir-
cumferential stress of the growing young wood is con-
stant; measured strains agree nearly with the theoret-
ical equations. (Author)

I. Kühler, H.

(Materials--Wood, TT, v. 7, no
no. 1)

Office of Technical Services

Investigations on the Surfaces of Woods Coated
With Polyester Lacquers, by H. Nissen.

GERMAN, par, Holz Als Roh- und Werkstoff,
Vol XII, 1959, pp 30-32.

CSIRO

Sci - Biol
Aug 62

207,328

Studies on Growth Stresses in Trees. Part II.
Longitudinal Stresses, by Hans Hubler, 35 pp.

GERMAN, per, Holz als Roh und Werkstoff,
Vol. XVII, No 2, 1959, pp 44-54.

OTS 60-16493

Sci

188,915

30 Mar 62

Influence of Steaming on the Swelling
Pressure Σ of Wood, by T. Parlatry.

GERMAN, per, Holz Als Roh- und
Werkstoff, Vol XVII, No 2, 1959, pp 24-31.

CSIRO 4804

Sci - Biol
Jul 62

204, 942

61-10761

Stosic, D. Z.
INVESTIGATION OF THE STATIC FRICTION COEFF-
FICIENT OF WOOD. Feb 61 [5]p.
Order from SLA mi\$1.80, ph\$1.80

61-10761

Trans. of Holz als Roh- und Werkstoff (West
Germany) 1959, v. 17, no. 3, p. 86.

NRC/Reg. C-3540-Mi

1. Wood--Friction
2. Friction--Determination
1. Stosic, D. Z.

151746

Office of Technical Services

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

Moisture Permeability of Lacquered and Veneered
Particle Board and Plywood, by H. Niesen.

GERMAN, per, Holz als Roh- und Werkstoff,
Vol XVII, No 4, 1959.

CSIRO

Sci - Biol
Aug 62

207,327

61-10542

Kollman, Franz.
ON THE SORPTION IN WOOD AND ITS EXACT
DETERMINATION (Über die Sorption von Holz und
ihre Exakte Bestimmung). [1960] 19p. (12 figs. refs.
omitted).

Order from SLA m\$2.40, ph\$3.30 61-10542

Trans. of Holz als Roh- und Werkstoff (West
Germany) 1959, v. 17, no. 5, p. 165-171.

Under the simultaneous effect of vapor and heat, an
equilibrium of the moisture content of wood to the
relative humidity of the surrounding air will occur.
This equilibrium can be reached either by humidifica-
tion or adsorption or dehumidification or desorption.
S-shaped sorption curves are obtained for capillary
colloidal materials with vapor sorption from wetting
liquids, whereas simply curved lines are obtained
from non-wetting liquids. Distinction is made be-
tween chemisorption, monomolecular sorption, poly-
molecular adsorption and capillary condensation. A
(Materials--Wood, TT, v. 5, no. 8) (over)

1. Wood--Absorptive properties
1. Kollman, F.

151456

Office of Technical Services

Malmquist, Lars.

SORPTION OF WATER VAPOR BY WOOD FROM THE
STANDPOINT OF A NEW SORPTION THEORY (Die
Wasserdampfsorption des Holzes vom Standpunkt einer
Neuen Sorptionstheorie). [1962] [25]p. (figs. formulae
omitted) 5 refs.

Order from SLA \$2.60

62-16630

Trans. of Holz als Roh- und Werkstoff (West Germany)
1959, v. 17 [no. 5] p. 171-178.

DESCRIPTORS: *Wood, *Water vapor, Theory,
Hysteresis, Vapor pressure, *Sorption.

A detailed application of the space theory of sorption on
sorption data of wood has shown that the general iso-
therm of this theory describes the data within experi-
mental error. The existence of compound sorption with
liquid sorption in a part of the structure and soft
(Chemistry--Physical, TT, v. 9, no. 2) (over)

62-16630

I. Malmquist, L.

Office of Technical Services

Contribution to the Sorption of Wood at
Elevated Temperatures and Water Vapor
Pressures, by Detlef Moack, 29 pp.

GERMAN, per, Holz als Roh- und Werkstoff,
Vol XVII, 1959, pp 205-212.

Sci
Vol IV, No 5
Mar 62

SLA 60-16641
SLR 62-4297

188,463

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 226-236.

CSIRO 4908

Sci - Biol
Jul 62

207.637

Variation and Frequency of Fibre Lengths
in Spruce, by G. Schultze-Devitz.

GERMAN, per, Holz als Roh- und Werkstoff
Vol XLVII, No 8, 1959, pp 319-326.

CSIRO 4800

Sci - Biol
Jul 62

203,452

Investigation of Methods for Determining
Spiral Grain in Different Age Zones
in Hardwood, by W. Kneige, H. Schulz.

GERMAN, per, Holz Als Roh- und
Werkstoff, Vol XVII, No 9, 1959, pp 341-351.

CSIRO 4755

Sci - Biol
Jul 62

204,945