

Notes on the Unsteady Flow Through Labyrinths, by
[illegible]

TRAG, FOR, Z.V.D.I., Vol LXXXVI, No 32/40,
1942, pp 609-611.

TRAG/MIB T.2152

Scientific - Engineering
[illegible]

5872

Vacuum-Compressor Rotary Impeller Pumps, by
F. Kluge.

GERMAN, per, Z. Ver. deutsch. Ing., Vol LXXXVI,
No 41/42, 1942, pp 623-628.

TPA3/TIB T 3893, P 22305T

REur - Germany

The Latest Development of the Two-Cycle Engine, by
J. Zeman, 40 pp.

GERMAN, per, Ver Daut & Ing Z., Vol LXXVII, No 1-2,
9 Jan 1943, pp 7-14.

SLA 58-698

Sci

Aug 59

100-58-698

95, 296

On the Fatigue Sensitivity of High-Strength
Building Steels, by A. Fry, L. Kirschfeld, 21 pp.

GERMAN, per, Ver Deut Ing Z., Vol LXXXVII, No
9-10, 6 Mar 1943, pp 123-127.

SLA 58-647

Sci

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Behavior of Surface Layers in the Presence of
Operating Loads, by H. Wiegand, 3 p.

GERMAN, par, Verein Deutscher Ingenieure, Zeit,
1943, Vol LXXVII, No 9/10, pp 137-138.

SLA 59-20578

Sci
Apr 60
Vol III, No 2

113,557

Measurement of Tension with the "Ring Indicator",
by A. Theis.

GARTZ, TDI (Zeitschrift Des Vereines Deutscher
Ingenieure), Vol 87, No 11/12, 20 March 1943, pp 194 .

USA Corps of Engr, Waterways Exper Sta Tr 43-8

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

Available on loan at Research Center Library

The Latest Development of the Two-Cycle Engine. Part
II. Constructive Development, by J. Zeman, 29 pp.

GERMAN, per, Ver Daut Ing. Z., Vol LXXXVII, No
13-14, 3 Apr 1943, pp 177-182.

SLA 58-632

Sci

Aug 59

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95, 298

Prevention of Foam in Melting Large Quantities of
Pitch (Asphalt), by A. Thau.

GERMAN, VDI (Zeitschrift Des Vereines Deutscher In-
genieure), Vol 87, No 13/14, 3 April 1943, pp 194- .

USA Corps of Engs, Waterways Exper Sta Tr 83-11

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

Available on loan at Research Center Library

Fostering of Employee Inventions in German
Factories, by Ernst Weisse, 6 p.

GERMAN, per, Verein Deutscher Ing Zeit, 1943,
Vol LXXXVII, No 15/16, pp 201-204.

ELA 59-20392

Sci
Mar 60
Vol 2, No 12

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III. Working Processes, by J. Zeman, 21 pp.

GERMAN, per, Ver Daut Ing Z., Vol LXXXVII, No 15-16,
17 Apr 1943, pp 215-219.

SLA 58-653

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SLA 58-639

95, 299

Integrating Machine for Ordinary Differential
Equations, by R. Sauer, H. Posch

GERMAN, per, Z Ver Dtsch Ing, Vol LXXXVII, 1943,
pp 221-224.

TMA3/TIB T.2185

Scientific - Mathematics CTS/DEX
GDC 10/50017 ?

5503

The Flow Measurement of Viscous Fluids by the Effective
Pressure Method, by R. Witte

Trudy, per, Z.V.D.I., Vol LXXXVII, No 19/20, 15 May
1963, pp 289-290.

TPA3/TIB T.2267

Scientific - Engineering
SIC/DEX

5881

Bearing Friction and Interface Phenomena, by S.
Kiesskalt, 12 pp. UNCLASSIFIED

GERMAN, per, Zeitschrift des Vereines Deutscher
Ingenieure, NSBDT, Vol LXXXVII, No 21-22, 1943,
pp 321-324.

Navy Tr 756/BuShips 514

Scientific -
CTS/DEX

7331

Measurement of Slight Displacements, by K. Staiger.

GERMAN, VDI (Zeitschrift Des Vereines Deutscher Ingenieure), Vol 87, No 21/22, 29 May 1943, pp 332- .

USA Corps of Engr, Waterways Exper Sta Tr 43-7

Sci - Engineering, hydraulics, naval

Enon - Transportation, river, water

Available on loan at Research Center Library

The Stresses Occurring in Die Casting Dies, by
E. Michel, 10 pp.

^{6 FAHAN}
~~German~~, per, Zeitschrift, V.D.E., Vol LXXXVII, 12 Jan
1943.

S.L.A. Tr 109/1956

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Scientific - Engineering

Detection of "Separations" In Sheet Material
With Ultra Sonics, by A. Trost, 7 pp.

GERMAN, per, Verein Deutscher Ingenieure,
Zeitschrift, Vol LXXXVII, No 23/24, 1943,
pp 352-354.

SIA 60-14402

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OTB, Vol III, No 12

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Piezo-Electric Microphone of Small Dimensions,
by L. J. Goodlet, 1 pp.

GERMAN, per, Z. Ver Deut Ing, Vol LXXXVII, No
25-26, 26 Jun 1953, p 406.

ELA 58-467

Sci

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Temperature Distribution in a Revolving Cutting
Tool, by G. Pahlitzsch, H. Heuerdig, 47 pp.

GERMAN, per, Ver Deut Ing Z., Vol LXXXVII, No
35-36, 4 Sep 1943, pp 564-571.

SLA 58-697

Sci

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95, 185

Behavior of Light Metal Piston Materials Under
Stresses Similar to Those of Working Conditions, by
K. Wellinger, G. Stahl, 26 pp.

GERMAN, per, Ver Deut Ing Z., Vol LXXVII, No
41-42, 16 Oct 1943, pp 663-666.

SIA 58-688

Sci

Aug 59

95, 294

Mathematical and graphical treatment of
flow processes in inlet pipes of piston
engines, U, 8 pp.

GERMAN, per, Ver deut Ing 87, nos. 47-48,
p 753-4, Nov 27, 1943

SIA 58-609

Sci

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94, 376

A Simple Determination of the Hydrogen Content of
Diesel Fuels by Means of their Heat of Combustion,
5 pp.

(97)

GERMAN, per, Ver Dcut Ing Z., Vol LXXXVI, No 49-50,
11 Dec 1943, p 784.

SLA 58-690

Sci

Aug 59

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^{6 8}
The Measurement of Friction on Small Slide Bearings,
by G. Frankner, 8 pp.

GERMAN, per, Ver Daut Ing Z., Vol LXXXVII, No
51-52, 1943, p 808.

SLA 58-691

Sci

Aug 59

95, 293

Heat Transfer During Knocking in an Ottomotor, pp
13 pp.

CHESON, per, Ver Dent Ing, Vol LXXXVIII, No 1-2,
8 Jan 1944, pp 24, 25.

SLA 58-646

Sci

Aug 59

95, 279

Discharge Measurement by the Conductivity Method, by
Rudolf Franke.

GERMAN, VDI (Zeitschrift Des Vereines Deutscher In-
genieure, Vol 68, No 7/8, 19 February 1944, pp 109- .

USA Corps of Engr, Waterways Exper Sta Tr 44-8

Sci - Engineeing, hydraulics, naval
Econ - transportation, river, water

Available on loan at Research Center Library

Contact Extensometer for Measuring Working Stressen,
by A. Thum, O. Svenson

GERMAN, 2. Var. dtach. Ing., Vol LXXVIII,
No 11/12, 1944, pp 153-159.

TR43/TIN T.2206

Reference - Engineering

5770

The Combination of Internal-Combustion Engine and
Gas Turbine, by K. Zimmer

GERMAN, per, VDI Zeitschrift, No 245, 13 May 1944.

S.L.A. Tr Pool

Scientific - Engineering
CTB/DEX

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Systematic Characterization of Metallic Materials,
by Erich Siebel, 4 p.

GERMAN, per, Verein D I Zeit, 1944, Vol LXXXVIII,
No 19/20, pp 256-257

SLA 59-17281

ciSLA TT-64-10068(10pp)

Sci
Jan 60
Vol 2, No 6

103,723

62-18236

I. Pahlitzsch, G.

Pahlitzsch, G.
DEEP COOLING IN METAL MACHINING [Tiefkühlen
bei der Metallzerspanung]. [1962] 11p. (figs. table,
refs. omitted).
Order from SLA \$1.60

62-18236

Trans. of V[er]ein D[eu]tscher I[n]genieure. Zeit-
schrift [etc.] (Germany) 1944, v. 88, no. 27/28, p. 365-371.
Another trans. is available from SLA m/\$2.40, ph/\$3.30
as 59-20107 [1946] [17p].

DESCRIPTORS: *Metals, Machining, *Machine tools,
Cooling, *Refrigeration systems, Lathes, Lubrication.

(Metallurgy, TT, v. 9, no. 2)

Office of Technical Services

Recent Results on High-Pressure Axial Blowers, by
B. Eckert, 15 pp.

GERMAN, per, Zeitschrift des Vereines Deutscher
Ingenieure, Vol LXXVIII, No 37/38, 16 Sep 1944,
pp 516-520

S.I.A. Tr Pool
no AL-214
777-67-20825

Scientific - Engineering
CTS/DEX

14,302

Alternating Bending Strength of Case Hardened and
Nitrided Steels with Grinding Cracks, by H.
Staudinger, 12 p.

GERMAN, per, Verein Deutscher Ingen Zeit, 1944,
Vol LXXXVIII, No 51/52, pp 681-686.

SLA 59-20576

Sci
Mar 60
Vol 3, No 1

111,012

Zeunert, G.
DEVELOPMENT OF THE THREE-WHEEL AUTO-
MOBILE (Zur Entwicklung des Dreirad-
Kraftwagens). [1961] [9p. (foreign text included)]
& refs.

Order from SIA \$1.10

62-10323

Trans. of V[erein] D[eutscher] I[n]genieur[en].
Zeitschrift (West Germany) 1946, v. 90, no. 4,
p. 123-124.

DESCRIPTORS: *Vehicles, *Passenger vehicles,
*Vehicle wheels, Cargo vehicles, Design.

After discussing the nonuniform pre-war develop-
ment of the three-wheel automobile, the present
direction of development of the three-wheel truck
and three-wheel passenger car is shown by a model
of both. (Translator)
(Machinery--Transport. TT, v. 7, no. 8)

62-10323

I. Zeunert, G.

201325

Office of Technical Services

New Strength Calculation Methods, by E. Siebel, 11 pp.

Full translation.

GERMAN, per, VDI Zeitschrift, Vol XC, No 5, May 1948,
pp 135-139.

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Scientific - Engineering

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Locus Curve Method for Regulators With Friction, by W. Oppelt.

Full translation.

GERMAN, per, Zeitschrift des Vereins Deutscher Ingenieure
Vol 90, 1948, pp 179-183.

AEC Tr 1356

Sci - Engr?

Aug 52 CTS

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Calculation of Railway Car Springs, by E. Sperling,
9 pp.

GERMAN, per, VDI Zeitschrift, Vol XC, NO 10, Oct
1948, pp 318-322.

S.L.A. Tr 672/1955

Sci - Engineering
Apr 1957 CTS/dex

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Vieweg, R.
PRESENT SITUATION IN THE FIELD OF PLASTICS.
[1962] 7p.
Order from SLA \$1.10

63-10007

Trans. of V[erein] D[eutscher] I[n]genieure. Zeits-
chrift (West Germany) 1948, v. 90 (no. 11) p. 331-
334.

DESCRIPTORS: *Plastics, Silicone plastics, Fluorine,
Halocarbon plastics, Processing, Plastic industry.

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

I. Vieweg, R.

Office of Technical Services

Böcker, A.
GREASE LUBRICATION: CHARACTERISTICS AND
APPLICATIONS OF LUBRICATING GREASES. [1962]
6p. (ref. omitted).
Order from SLA \$1.10

62-16933

Trans. of Verein] Deutscher] Ingenieure]. Zeits-
chrift] (West Germany) 1948, v. 90, no. 12, p. 366-
368.

DESCRIPTORS: *Lubrication, *Greases, Production,
Machines.

(Materials--Lubricants, TT, v. 9, no. 2)

62-16933

I. Böcker, A.

Office of Technical Services

Kegel, K.
HIGH FREQUENCY HEATING, ITS PRINCIPLES AND
APPLICATIONS. 12 July 49, 14p. (figs. omitted).
Order from SLA \$1.60 62-18409

Trans. of Verein Deutscher Ingenieure
Zeitschrift (West Germany) 1949, v. 91, no. 2,
p. 25-32.

DESCRIPTORS: *Heaters, High frequency, Electrical
equipment, *Induction heating, *Dielectrics, Heattrans-
fer, Thermal conductivity, Generators, Driers
(Apparatus) Melting.

(Engineering--Electrical, TT, v. 9, no. 4)

62-18409

I. Kegel, K.

Office of Technical Services

**Results From Strength Tests With Railway Axles
Used as a Basis for Their Calculation, by
E. Sperling.**

**GERMAN, per, V.D.I. Zeitschrift, Vol XCI, No 6,
1949, pp 134-135.**

ETC 303

**Sci - Engr
Feb 63**

Shell Construction of Concrete Ships, by Dr. Ing.
Ulrich Finsterwalder, 15 pp., UNCLASSIFIED

GERMAN, reprint from no 7^I per, ZVDI, Vol IX, No 7,
1949, pp 157-163, paper read at German Concrete
Society, Wiesbaden.

Navy Tr 736/ONI 1160

WBar - Germany

1095
Scientific - Engineering
Economic - Shell, construction, concrete ships

Apr 53 CTS

The Consumption of Energy in Transportation of
Loads, by H. Spitzer, 11 pp.

GERMAN, per, VDI Zeit, Vol XCI, No 8, 15 Apr 1949,
pp 177-181.

CIA/VDI/X-2025

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Scientific - Medicine Mar 56 CTS/DEX

Goals, Means And Constructive Evaluation of
Flow Research, by A. Betz, 17 pp.
GOVERNMENT USE ONLY
GERMAN, per, Z des Vereines Deutscher Ingenieure,
Vol XCI, No 1, 1949, pp 253-258. 9692349
DDC RSIC-152

Sci - Engr
May 64

256,988

Synthesis of Edible Fats, by
K. H. Imhausen.
GERMAN, per, Z. Ver Dent Ing (VDI),
Vol KCI, 1949, pp 463-467.
NASA TT F-9894

U. S. GOVERNMENT USE ONLY
Sci-B&M
Apr 66

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V
An Easily-Operated Permanent-Magnet Instrument for
the Accurate Measurement of Coating Thickness, by
R. Berthold.

GERMAN, Z.V.D.I., Vol XCI, No 18 Sep 1949.
PP 476-478 CSIRO

B.S.A. Group Research C.
CNC/T 133
P 217978

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Scientific - Engineering

14,010

Rotary-Piston Pumps and Rotary-Piston Power
Engines, by Hans-Ulrich Tenzler, 24 pp.

GERMAN, per, VDI Zeitschrift, Vol XCI, 1949,
pp 239-246,

AEC UCRL-Trans-503(L)

Sci - Engr
14 Oct 60

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Influence of Extrusion Upon Structure and Strength of
Age-Hardening Aluminium Alloys, by H. J. Seeman,

GERMAN, per, Z Ver Dtsch Ing, Vol XCI(23), 1.12. 1949,
pp 621-26.

Aluminium Laboratories, Ltd
Tr No B-TM-101-52 OT/417

Scientific - Engineering, extrusion, structure, age-
hardening, aluminium, alloys

Index Aeronauticus

Tooth Bending and Appropriate Tip Relief and Root
Fillets, 3 pp. ~~UNCLASSIFIED~~ *by G. Dietrich*

Vol LXXXI,
GERMAN, per, VDI-Zeitschrift, ~~1949~~ No 32,
12 Aug 1949, p 930.

Navy Tr 1086/ONI 1288

Scientific - Engineering

Dec 54 CTS/DEX

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**The Application of Model Experiments for the
Solution of Problems in Fluid Mechanics, by
W. NI Barth.**

**GERMAN, Z. Ver dtsch Ing, Vol LLXII, No 5, 1950,
pp 105-110.**

DSIR/5118/CT

12,873

Scientific - Min/Metals

TT-63-20459

Nicolaus, H. O.
TITANIUM IN TECHNOLOGY. [1963] 33p 75refs
Order from SLA \$3.60 TT-63-20459

Trans. of Verein Deutscher Ingenieure, Zeitschrift
(West Germany) 1950, v. 92, no. 7, p. 153-160.

A survey with 75 references.

DESCRIPTORS: *Titanium, Industrial production,
Density, Corrosion inhibition, Purification, Electric
furnaces, Tensile properties.

(Metallurgy--Light Metals, TT, v. 11, no. 5)

I. Nicolaus, H. O.

Office of Technical Services

Egner, E.
WEAR RESISTANCE OF FLOOR COVERINGS
(BASED ON SHORT PERIOD TESTS). [1962] 7p.
(16 figs. 2 tables, refs. omitted).
Order from SLA \$1.10

62-18158

Trans. of V[erein] D[eutscher] I[ngenieur]e. Zeit-
schrift (West Germany) 1950, v. 92, no. 7, p. 169-173.

DESCRIPTORS: *Floors, f riction, Resistance.

(Materials, TT, v. 4, no. 9)

62-18159

1. Egner, E.

Office of Technical Services

**The Theory of Gases at High Speed Principles and
Suggestions for the Design of Turbines, by
Albert Betz, 21 pp.**

**GERMAN, orig, Zeitschrift des Vereines Deutscher
Ingenieure, Vol XCII, No 9, 1950, pp 201-206.**

NACA N-10136

Scientific - Engineering

Oct 1951 CTS

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14,023

Multiple Notch Effect: Stress-Relieving Notches
and Stress-Concentrating Notches, by A. Thun,
O. Svenson.

GERMAN, per, Z. Ver dtsch Ing, Vol XCII, No 10,
1950, pp 225-230.

Aluminium Laboratories, Ltd
B-TM-141-54
OT/977

Scientific - Min/Metals
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Preservation of Dried Foodstuffs by Keeping
the Oxygen Content at Low Level, by I. R.
Heiss, 12 pp.

GERMAN, por, 2. Ver Deut Ing, Vol XCII, No
18, 1950, pp 452-456.

Assoc Tech Serv

Sci

Aug 58

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Fahlenbrach, Hermann.
NEW DEVELOPMENTS IN THE DOMAIN OF MAGNETIC MATERIALS (Neuentwicklungen auf dem Gebiete der Magnetischen Werkstoffe). [1963] [26]p. (foreign text included) 38 refs.
Order from SLA \$2.60 63-16739

Trans. of Verein Deutscher Ingenieure, Zeitschrift
(West Germany) 1950, v. 92, no. 21, p. 565-570.

DESCRIPTORS: *Magnetic materials, Magnetic alloys, Magnets, Powder alloys, Sintering.

(Metallurgy, TT, v. 10, no. 8)

63-16739

I. Fahlenbrach, H.

Office of Technical Services

Rosahl, O.
FLOW, IGNITION AND COMBUSTION IN THE
COMBUSTION CHAMBERS OF MODERN LARGE
STEAM GENERATORS. [1949] 27p. (Sigs. examined)
18 refs.

Order from SLA \$2.60

63-16230

Trans. of Verein Deutscher Ingenieure. Zeitschrift
(West Germany) 1951, v. 93, no. 2, p. 25-34.

DESCRIPTORS: Gas flow, *Ignition, *Combustion,
Combustion chambers, Combustion chamber gases,
*Steam power plants, Boilers, *Fuel injection, Coal,
Pumps.

(Engineering--Mechanical, TT, v. 10, no. 8)

63-16230

I. Rosahl, O.

Office of Technical Services

Examples of the Application of Photoelasticity,
by L. Foppl.
GERMAN, per, Zeit des Vereines Deutscher Ingenieure,
Vol XCIII, No 5, 1951, pp 105-112. 9694647
DDC RSIC-196

Sci - Engr
Oct 64

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Small Helical Gears. The Effect of the Helix Angle
on Temperature Rise, Wear, Surface Strength, Root
Strength and Noise, by Niemann, G., and Glauwitz.

H.

GERMAN, per, T Z. Ver. deut. Ing., Vol XCIII, No 9,
1951, pp 215-222.

Assoc Tech Sv
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38,054

Sci - Engineering, Electricity

(816.55)

Gear Testing Stand with Output up to 1000 H. P. and
Rotational Speeds of 280-4000 R. P. M. , by K.
Wellinger, E. Keil, H. Glasbits, 10 p.

GERMAN, per, Verein Deutscher Ingenieure, Zeit,
1951, Vol XCIII, No 9, pp 236-238.

SLA 60-10231

Sci
Apr 60
Vol III, No 3

14, 976

On the Problem of the Life of Ball and Roller Bearings.
by A. Kobaut.

Full translation.

GERMAN, Z. Ver. dtseh. Ing., Vol 93, No 10, pp 257-261,
1951.

TPA3/TIB Tr No T 3953

Scientific - Engineering

Index Aeronautics, March 1953

The Present Status of Continuous Pressing and ~~Hand~~
Kneading Process Techniques in the Chemical and
Allied Industries, by K. Riess and R. Erdmenger,
12 pp.

GERMAN, per, Z. Ve Deut Ing, Vol XCIII, 1951,
No 19-20, pp 633-638.

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Sci

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Mechanical and Optical Behavior of Hot-formed
Flexiglass M 33 Under Tensile Stress, by
I. H. Feukert, 4 pp.

GERMAN, per, Z. Ver Dent Ing, Vol XCIII, No 26,
11 Sep 1951, p 831.

SLA 3191

Sci

Aug 58

69. 8. 27

The Servo-Pump and Its Application to Machine Design
by E. Greiner.

GERMAN, per, Z VDI, Vol XCIII, 1951, pp 921-925.

DSIR/30533/CT

Sci - Engr
Feb 58

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Question of Residual Stresses Due to Cold
Working and Their Decrease, by H. Bühler, 5 pp.

GERMAN, per, Zeitschrift VDI, Vol XVIII, No 29,
Oct 1951, pp 932, 933.

S. L. A.

Scientific - Engineering

OTS 68/May 55

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Gear Research and Lubricants, by E. Heidebroek, 6 pp.

GERMAN, per ^ZVerein Deutscher Ingenieure, Vol XCIII,
No 32, 1951, pp 1012-1014.

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Sci - Engr
OTS I, 9
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Tooth Base Strength of Straight Toothed Steel Spur
Gears, by G. Niemann, H. Gleubitz, 9 pp.

Full translation.

GERMAN, per, VDI Zeitschrift, Vol XCIII, No 33,
Nov 1951, pp 1050-1053.

S.L.A.

Scientific - Engineering

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Centrifugal Casting, by P. A. Heller.

GERMAN, per, Vereines Deutschen Ingenieure Z.
Vol XCIII, No 35, 11 Dec 1961, pp 1098-1100.

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NISI 2715

Sci - Engr

May 62

196, 218

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The Effect of the Guiding Device on the Characteristic
of Centrifugal Pumps, by P. Krisan.

GERMAN, per, Z Ver dtach Ing, Vol XCIV, No 11-12,
1952, pp 19-22.

D.S.I.R./¹15038/CT

Scientific - Engineering

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The Resonator as a Possibility of Reducing
the Consumption of Fuel by Turbo-Drive Power
Plants of Aircraft, by F. H. Reynst, 12 p,

GERMAN, per, Verein Deutscher Ingenieure, Zeit,
1952, Vol XCIV, No 3, pp 79-84.

SLA 59-17933

Sci
Mar 60
Vol 2, No 11

109,599

Measurement of Residual Stresses in Bars and Tubes
With the Aid of Strain Gages, by H. Bühler,
W. Schreiber, 8 pp.

GERMAN, per, Zeitschrift VDI, Vol XCIV, No 8,
Mar 1952, pp 216-218.

S. L. A.

Scientific - Engineering

OTS 68/May 55

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Larche, K.
THE NEW XENON HIGH PRESSURE LAMPS. [1961]
[10]p. (4 figs. 9 refs. omitted).
Order from SLA \$1.10

62-10062

Trans. of Verein Deut[sch] Ingen[ieure]. Zeit[sch]
Zeit[schrift] (West Germany) 1952. v. 94, p. 453-455

DESCRIPTORS: *Xenon lamps, Design, Operation,
Air cooled, Water, Cooling, Ignition, Pressure

(Physics--Optics. TT. v. 7, no. 5)

62-10062

1. Larche, K.

Office of Technical Services

An Interference Method of Investigating
Rough Surfaces, by E. Zehender. UNCLASSIFIED

GERMAN, per, Z Verein Deutsch Ing, Vol XCIV,
1952, pp 456-458.

DSIR/32418/CT

Sci - Engr
Oct 58

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The ... of ... and ...
The ... of ...
W. ...

GERMAN, ... des Vereins ...
11 ... 1902, pp 519-522.

British Iron and Steel Inst
(no number given)

Vol - ...
Sep 22

98, 198

Sewing Machines and Sewing Machine Drives, by
Anton Kloss, 10 p.

GERMANY, per, Verein Deutscher Ingenieure, Zeit,
1952, Vol XCIV, No 19, pp 595-598.

SLA 59-17929

Sci
Mar 60
Vol 2, No 11

108,596

Günther, M.
ILLUMINATION ENGINEERING, LIGHT SOURCES,
LIGHTS AND ACCESSORIES. [1961] 16p. (11 figs.
omitted) 03 refs.
Order from SLA \$1.60 62-10369

Trans. of V[erein] D[eutscher] I[n]genieure, Zeit-
[schrift] (West Germany) 1952, v. 94, no. 19,
p. 655-659.

DESCRIPTORS: *Electrical engineering, *Illumination,
*Light, Sources, Electrical equipment, *Xenon lamps,
*Mercury lamps, Optical filters.

(Physics--Optics, TT, v. 7, no. 8)

62-10369

I. Günther, M.

201337

Office of Technical Services

Critical Considerations on the Question of Pipe
Friction, by O. Kirschmer.

GERMAN, per. Z.V.D.I., Vol XCIV, 1952, pp 785-791.

D.S.I.R./⁸166/CT

Scientific - Engineering

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Tests for Fatigue Strength and Behavior of Materials
Under Alternating Stress. 1. Fatigue Tests as a
Means of Establishing Bases for Calculation, by
M. Hempel, 13 pp.

GERMAN, per, Z. VDI, Vol XXVI, No 26, 1952,
pp 809-815.

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