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Riedel, Leonhard.  
THERMAL CONDUCTIVITY MEASUREMENTS ON  
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L. Riedel, L.

Trans. of Technische Hochschule, Karlsruhe, Kälte-  
technisches Institut, A in Erlangen (West Germany)  
no. 7, 1978; 5p; (Abstract available)  
Another trans. is available from SLA as O-135, 82p

DESCRIPTORS: •Refrigerants, Heat transfer, Liquids,  
•Thermal conductivity, Measurement,  
•Thermochemistry

Topics include: choice of measuring method; construc-  
tion of apparatus; theoretical considerations concerning  
the measuring method; electrical measurements; deter-  
mination of the calibration curve; practical experiences  
with the apparatus; measuring results on pure liquids;  
(Chemistry--Physical, TT, v. 11, no. 11)      (over)

Office of Technical Services

A Method for Rendering Perceptible and Registering  
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Full translation.

E. GERMAN, <sup>44</sup>~~188~~ Technische Hochschule Stuttgart  
Festschrift der Hochschule zur Vollendung ihres  
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AEC Tr 1602

/Scientific - Physics

HH Jun 53 <sup>T</sup> CWS/DEX

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Widmaier, O. and Nenninger, L.  
DEVELOPMENT AND SIGNIFICANCE OF TETRA-  
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40p. 302 refs.  
Order from SLA \$3.60

63-14293

I. Title: Tetraethyllead  
I. Widmaier, O.  
II. Nenninger, L.

Trans. of [Technische Hochschule, Stuttgart,  
Forchungsinstitut für Kraftfahrwesen und Fahrzeug-  
motoren. Berichte] (Germany) 1942, v. 9, p. 109-121.

DESCRIPTORS: \*Lead compounds, \*Ethyl radicals,  
Fuel additives, Antiknock, Synthetic (Chemistry),  
Quantitative analysis, Physiology, Bibliographies.

Contents:

Introduction and significance of tetraethyllead as an  
antiknock agent

Historical review

Preparation of tetraethyllead

Forms in which tetraethyllead is used

(Materials--Fuels, TT, v. 10, no. 6)

(over)

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[1962] [85]p.

Available on loan from SLA

63-10151

Trans. of thesis Technische Hochschule, Stuttgart  
(West Germany) n.d. (Arch. Rational Mech. Anal., v. 4)

DESCRIPTORS: \*Continuum mechanics, Nonlinear sys-  
tems, Dislocations, Stresses, Elasticity, Geometry,  
Differential geometry, Statics.

This work is both a review of the present-day situation  
of the general nonlinear continuum theory of stationary  
dislocations and internal stresses and a presentation of  
new results in that field. (Author)

(Mechanics, TT, v. 9, no. 6)

63-10151

I. Kröner, E.  
II. Technische Hochschule,  
Stuttgart (West Germany)

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Sci-Engr  
May 66

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- I. EURAEC-158
- II. EURATOM (Belgium)

RESEARCH PROGRAMME ON HEAT TRANSFER IN  
A BOILING WATER REACTOR. Quarterly rept. no. 2,  
Apr-June 61 [on Contract 032-60-11 RDA]. [1962] 10p.  
Order from OTS or SLA \$1.10      EURAEC-158

Trans. of a rept. from Technische Hogeschool,  
Eindhoven (Netherlands) n.d.

DESCRIPTORS: \*Boiling water reactors, \*Heat transfer,  
Pressurized water reactors.

A capacitance gauge for measuring the void fraction  
in a boiling water circuit has been improved by using an  
outer electrode consisting of four small plates instead  
of one of cylindrical form. A pressure gauge for meas-  
uring differential pressures up to 25 cm water head with  
line pressures of 30 atmospheres has been constructed  
using also the capacitance method. Experiments were  
(Nuclear Physics--Nuclear Engineering, TT, v. 9,  
no. 5)      (over)

Office of Technical Services

62-32380

- I. EURAEC-105
- II. BURATOM (Belgium)

RESEARCH PROGRAMME ON HEAT TRANSFER IN  
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Dec 60-Mar 61 [on Contract 032-60-11 RDA]. [1962]  
[43]p. 4 refs.  
Order from OTS or SLA \$4.60      EURAEC-105

Trans. of a rept. from Technische Hogeschool,  
Eindhoven (Netherlands) n. d.

DESCRIPTORS: Nuclear reactors, \*Boiling water  
reactors, \*Heat transfer, Pressurized water reactors.

A short description is given of the pressurized boiling  
loop and the two atmospheric glass loops in operation.  
Progress in the development of new measuring methods  
and in the improvement of existing ones is indicated.  
Special attention is given to the radioactive and capaci-  
tance method for determining the void fraction in a two-  
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Engineering Fluid Mechanics, by Charles Jagger.

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Sci - Engr

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R-6195-D  
18 April 67

Technische Laufwerke einschliesslich Uhren  
By: Friedrich Assmus, 1958

(279 pp)

Into German - est for wds:

Please translate and type 1 original copy. Do not  
mutilate original book. Xerox copy can be cut for  
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Uniforms for Generals and Officers, Blouse for  
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40 pp. UNCLASSIFIED

BRUNNEN, Technische Lieferbedingungen-Vorläufige,  
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G-2, GSUSA G-2446

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Assoc Tech Sv  
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Notes on Their Operation and Their Importance  
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Sc: - Elec Engr

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E. Houdresant.

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Available: ASTIA, Knott Bldg.  
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Feb 56 OTS

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<p>Kollmann. THE BEHAVIOUR OF FRICTION COUPLINGS (Das Verhalten von Reibkupplungen). [1958] p. (foreign text included) 9 refs. Order from SLA \$3.60</p>	<p>62-18750</p>
<p>Trans. of Technische Mitteilungen (West Germany) 1958, v. 51, no. 8, p. 349-356.</p>	<p>I. Kollman</p>
<p>DESCRIPTORS: *Couplings, *Friction, Machine tool industry, Automation.</p>	
<p>(Machinery, Fabrications and Accessory Equipment, TT, v. 9, no. 8)</p>	<p>Office of Technical Services</p>

62-18754

Selig, H.  
MULTIPLE-DISC CLUTCHES OPERATED ELECTRO-  
MAGNETICALLY AND WITH OIL UNDER PRESSURE  
(Elektromagnetisch und Druckölgeschaltete  
Lemellenkupplungen). [1962] [31 p. (foreign text included)].  
Order from SLA \$3.60 62-18754

I. Selig, H.

Trans. of Technische Mitteilungen (West Germany)  
1958, v. 51, no. 8, p. 356-363.

DESCRIPTORS: \*Clutches, Disks, Operation  
Electromagnetic drives, Oils, Pressure, Torque,  
Transmission.

(Machinery, Fabrications and Accessory Equipment,  
TT, v. 10, no. 7)

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Mater, Albert.  
CLUTCHES FOR MOTOR CAR GEARS (Kupplungen  
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text included).  
Order from SLA \$1.60                      62-18753

Trans. of Technische Mitteilungen (West Germany)  
1958, v. 51, no. 8, p. 370-374.

DESCRIPTORS: \*Vehicles, \*Clutches, \*Gears, Fric-  
tion, Lubricants.

The following have to be taken into consideration in  
designing a clutch: (1) The static and dynamic friction  
coefficient. (2) The friction behaviour during the proc-  
ess of engagement from the point of view of avoiding  
jerking or vibration. (3) Drop in the friction coeffi-  
cient caused by mechanical smoothing. (4) Drop in the  
friction coefficient caused by changes in the lubricant.  
(Machinery--Transport, TT, v. 9, no. 8) (over)

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I. Mater, A.

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Hydraulic Bloom and Slab Shears, by A. Hertl.

GERMAN, per, Technische Mitteilungen, Vol LI, Oct 1958  
pp 513-519.

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The Steel Tube as Structural Element, by W. Jamm.  
GERMAN, per, Technische Mitteilungen, Mar 1959,  
pp 89-94.

BISI 1879

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GERMAN, Wur, Tech Mitt, Mar 1959, pp 109-113.

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Steel Ind 1950

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AND NUCLEAR RESEARCH LABORATORIES. [1961]  
12p.  
Order from ATS \$23.80                      ATS-62N55G

Trans. of Technische Mitteilungen (West Germany)  
1960, v. 53, no. 2, p. 92-98.

DESCRIPTORS: \*Glass, \*Nuclear physics laboratories,  
Radiochemistry laboratories, Isotopes, Radioactive  
isotopes, Laboratories.

(Nuclear Physics and Nuclear Chemistry, TT, v. 7,  
no. 1)

I. Jahn, W.  
II. ATS-62N55G  
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Services, Inc., East  
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Künzler, H., Fierz, W., and Grimm, G. O.  
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POTENTIAL BUILDING MATERIALS FOR TELE-  
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Order from SLA \$6.60                      62-14470

Trans. of PTT Technische Mitteilungen (Switzerland)  
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DESCRIPTORS: \*Plastics, \*Telephone receivers,  
Stability, Resistance, Elasticity.

(Materials--Plastics, TT, v. 8, no. 7)

62-14470

I. Künzler, H.  
II. Fierz, W.  
III. Grimm, G. O.

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Moser, J. O.  
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FIC. [1962] 7p.  
Order from SLA \$1.10                      62-16604

Trans. of PTT Technische Mitteilungen (Switzerland)  
1961, v. 39 [no. 9] p. 316-319.

DESCRIPTORS: \*Telephone communication systems,  
Switzerland, Telephones.

I. Moser, J. O.

(Engineering--Electrical, TT, v. 8, no. 7)

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FLOW IN METALS AND POWER REQUIREMENTS OF  
DIFFERENT EXTRUSION TECHNIQUES, BY W. FISTER.

GERMAN, PER TECHNISCHE MITTEILUNGEN, VOL LIV,  
FEB 1961, PP 77-78.

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Feb 1961, pp 82-87.

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GERMAN, per, Technische Mitteilungen, Vol LIV,  
Feb 1961, pp 88-98.

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GERMAN, per, Technische Mitteilungen, Vol 7,  
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GERMAN, per, Techn. Mitt., Vol 56, May 1963,  
pp 199-205.  
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