

Sci/Aero

C

Tests on Profile NACA 0012-63 in the DV L-High Speed Wind  
Tunnel, by G. Richter. UNCLASSIFIED

GERMAN, GDC 10/4081 N/T.

NACA N-2234

Dec cts

A9858

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Drag of Aircraft Directive Aerials at High Speed, by G. Richter. UNCLASSIFIED

GERMAN, GDC 2280 T, Jun 1944.

0182438

NACA 5321, 737

FLT: Aerodynamischer Widerstand Von Bordrichtantennen  
Bei ~~den~~ Hohen Geschwindigkeiten

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A New Institute of Seismology in Halle by Dr G. Richter, 3 pp.

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AP 546046

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out upsetting of ingots in heavy  
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Sep 1964, pp 570.  
DIS# 4360

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*G. Richter*

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A. Introduction; B. Geographic Situation and General Characteristics; C. Relief and Waters; D. Physico-Geographic Regions, by A. A. Grigoryev, G. D. Richter, 53 pp. UNCLASSIFIED

RUSSIAN, bk, Nizhneye Povolzh'ye, Fiziko-Geograficheskoye Opisanie, publ by Acad of Sci USSR, Moscow/Leningrad, 1948, pp 3-4, DEX 5-6, 17-44, 114-130.

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Apr 54 CTS/DEX

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(EO-3901)

Problems in the Classification of Russian Homonyms,  
by G. I. Richter, 10 pp.

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1961, pp 24-31.

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On the Magnetic Aftereffect in Carbonyl  
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TT-65-13775

Field 1A

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COMPARISON OF APPROXIMATION METHODS FOR  
CALCULATING THE PRESSURE DISTRIBUTION ON  
PROFILES AT SUBCRITICAL MACH NUMBERS WITH  
MEASUREMENTS (Vergleich von Naehungsverfahren zur  
Berechnung der Druckverteilung an Profilen bei  
Unterkritischen Machschen Zahler mit Messungen). 12p.  
Order from SLA: \$1.60 as TT-65-13775

Trans. of Lillenthal-Gesellschaft fuer Luftfahrtforschung  
(Germany) Rept n156 p188-93 1942.

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NCH-202 535            Field 7D

Richter, H.  
STRUCTURE OF PRECIPITATED, AMORPHOUS  
ARSENIC AT VARIOUS TEMPERATURES. 1965,  
17p. TC-1289.  
Order from TC: \$13.00 as TC-1289

Trans. of Zeitschrift fuer Naturforschung (West  
Germany) v12a p996-1002 1957.

I. Trans-Chem.  
Knoxville, Tenn.



Richter, H., Kuleke, W., and Specht, H.  
THE STRUCTURE OF AMORPHOUS SELENIUM.  
[1963] 32p.  
Order from ATS \$39.50                      ATS-75Q67G

Trans. of Z[eitschrift für] Naturforsch[ung] (West  
Germany) 1952, v. 7a, p. 511-532.

DESCRIPTORS: \*Selenium, Physical properties,  
Crystal structure.

(Chemistry--Physical, TT, v. 10, no. 3)

63-17332

- I. Richter, H.
- II. Kuleke, W.
- III. Specht, H.
- IV. ATS-75Q67G
- V. Associated Technical  
Services, Inc.,  
East Orange, N. J.

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Richter, H. and Tverberg, J. C.  
 INVESTIGATION OF ALLOYS OF ZIRCONIUM WITH  
 NIOBIUM AND TIN IN VIEW OF THEIR UTILI-  
 ZATION AS [SHEATHING] MATERIAL IN WATER-  
 COOLED NUCLEAR REACTORS: ON THE TECHNO-  
 LOGICAL PROPERTIES AND THE RESISTANCE TO  
 CORROSION OF THE ALLOY ZrNb3Sn. Special  
 technical rept. 1 concerning proposal 139, on  
 Contract 047-61-4 RDA. [1963] 56p. 16 refs.  
 Order from OTS or SLA \$5.60 EURAEC-352

Trans. of a rept. from Metallgesellschaft A. G.,  
 Frankfurt a.M. (West Germany) 26 Apr 62.

DESCRIPTORS: \*Light water reactors, \*Zirconium  
 alloys, \*Niobium alloys, \*Tin alloys, \*Corrosion  
 inhibition, \*Reactor fuel cladding, Nuclear reactors,  
 Heat treatment, Mechanical properties, Welding, Heat  
 resistant metals and alloys, Water, Reactor coolants.  
 (Nuclear Physics--Nuclear Engineering, TT, v. 10,  
 no. 7) (over)

63-15737

- I. Title: Sheathing
- I. Richter, H.
- II. Tverberg, J. C.
- III. Title: On the . . .
- IV. EURAEC-352
- V. European Atomic Energy  
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Richter, H. and Winclerz, P.  
INVESTIGATION OF ALLOYS OF ZIRCONIUM WITH  
NIOBIUM AND TIN IN VIEW OF THEIR UTILIZATION  
AS SHEATHING MATERIAL IN WATER-COOLED  
NUCLEAR REACTORS: EXAMINATION OF TUBES  
MADE OF THE ALLOY ZrNb3Sn1. Special technical  
rept. 3 concerning proposal 139, on Contract 047-61-4  
RDA. [1963] 36p. 12 refs.  
Order from OTS or SLA \$3.60            EURAEC-354

Trans. of rept. from Metallgesellschaft A. G.,  
Frankfurt a. M. (West Germany) 18 May 62.

DESCRIPTORS: \*Light water reactors, \*Niobium  
alloys, \*Tin alloys, \*Reactor fuel cladding, Nuclear  
reactors, Zirconium alloys, Heat resistant metals and  
alloys, Water, Reactor coolants.

The alloy ZrNb3Sn1 which, in corrosion tests and  
mechanical tests, had proved to be a promising  
(Nuclear Physics--Nuclear Engineering, TT, v. 10, no.6)  
(over)

63-15736

I. Richter, H.  
II. Winclerz, P.  
III. Title: Examination ...  
IV. EURAEC-354  
V. European Atomic Energy  
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Modification of the Structure of Evaporated  
Ge-Deposits in the Electron Microscope, by  
E. W. Fisher and H. Richter.

GERMAN, per, Ann Phys, Vol XVI, No 5-8, 1955,  
pp 193-209.

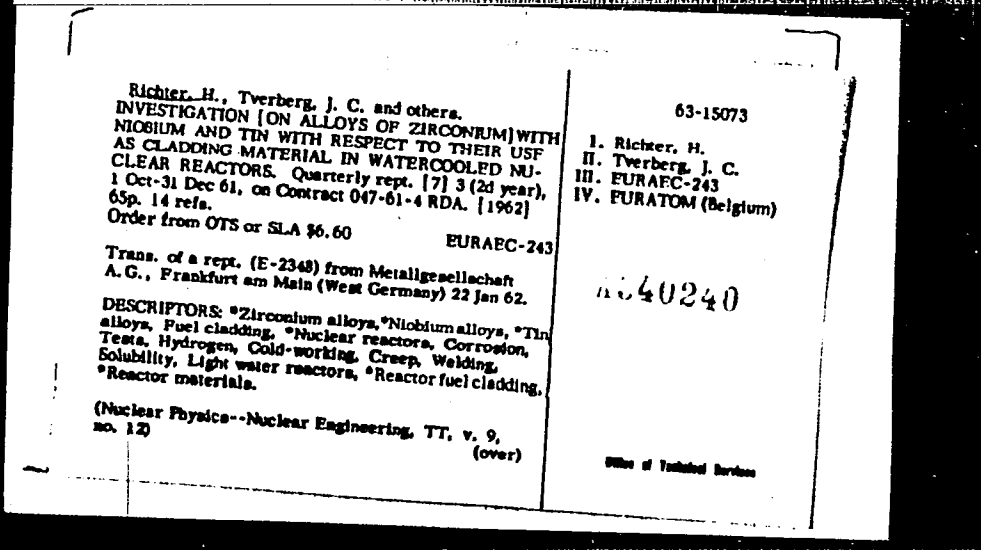
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<p>Richter, H. CHEMICAL BRIGHTENING OF ALUMINIUM. 1961, 2000 words. Order from TTIS \$18.00                      TTIS FA 79</p> <p>Trans. of Galvano (France) 1961, v. 30, July, p. 481-484.</p> <p>DESCRIPTORS: *Aluminum, Electrolytic polishing.</p> <p>(Metallurgy--Light Metals, TT, v. 7, no. 5)</p>	<p>62-12333</p> <p>I. Richter, H. II. TTIS-FA-79 III. Translation and Technical Information Services (Gt. Brit.)</p> <p>194950</p> <p>Office of Technical Services</p>
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<p>Richter, H., Wincierz, P. and others. THE CONSTITUTION OF ZIRCONIUM-NIOBIUM AL- LOYS. [1962]. Order from FRI FRI Trans-177 Trans. of Journal of the Less-Common Metals (Nether- lands) 1962, v. 4, no. 3, p. 252-265. DESCRIPTORS: *Zirconium alloys, *Niobium alloys, Chemical analysis.</p>	<p>63-12180 I. Richter, H. II. Wincierz, P. III. FRI Trans-177 IV. Fulmer Research Inst., Ltd. (Gr. Brit.)</p>
<p>(Chemistry, TT, v. 9, no. 4)</p>	<p>C227807</p>
	<p>Office of Technical Services</p>

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Tendencies in Telegraphic Equipment  
Development, by H. Richter, J. Schoenhof,  
6 pp.

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No 12, 1961, pp 542-~~4~~ 546.

JPRS 13432

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The Golets Terraces, by Hans Richter. 80  
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1963, pp 183-192.  
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FSTC-HT-23-214-69

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The structure of Amorphous Germanium and Silicon, by H. Slichter, C. Breitting.  
Z. Naturforsch., Vol 13a, 1958,  
pp 988-99.  
ADS 1281-3J

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Sci - Earth Sci & Oceanography  
Aug. 67

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Methods of Evaluating Coals; Their Critical Examination and Contributions to Further Development, by L. Kauts, H. E. Richter.

GEISTAR, per, Gas und Wasserfach, Vol LXXVIII, 1935, pp 221-229.

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Pittsburgh, Pa. Tr 103

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Problems of the Pleistocene Glaciation of the Khangai Mountains, by Hans Richter. *For official use only*  
7-88

GERMAN, bk, Deutscher Geographentag Koeln 22-26 Mai 1961  
-- Tagungsbericht und Wissenschaftliche Abhandlungen  
1962, pp 400-406.

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\*IPRS/SPECIAL/DC-10330

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Preliminary Report Concerning the Progress and  
Results of the 1958 German Expedition to the Sahara,  
by Dr Nikolaus B. Richter.

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Vol CIII, No 2, 1959, pp 100-106. (Call No G1,  
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The Biological Wastewater Purification  
Installation of the Big Coking Plant of  
Lauchhammer, by Herbert Richter, Rolf  
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JPRS 11641

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<p>Richter, H. CHEMICAL BRIGHTENING OF ALUMINIUM. 1961, 2000 words. Order from TTIS \$18.00</p> <p>Trans. of Galvano (France) 1961, v. 30, July, p. 481-484.</p> <p>DESCRIPTORS: *Aluminum, Electrolytic polishing.</p> <p>(Metallurgy--Light Metals, TT, v. 7, no. 5)</p>	<p>62-12333</p> <p>I. Richter, H. II. TTIS-FA-79 III. Translation and Technical Information Services (Gt. Brit.)</p> <p>194950</p> <p>Office of Technical Services</p>
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On the Effect of Deformations on the Mechanical  
Properties of a Precipitation Hardening  
Aluminium Alloy, by H. Richter, G. Wassermann.

GERMAN, per, Z. Metallk, Vol. II, No 11,  
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fulmer Res Inst

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Richter, H., and Schneider, R.  
 TEMPERATURE DEPENDENCE OF THE CONDUCTIVITY OF AMORPHOUS GERMANIUM FILMS DEPOSITED BY VAPORIZATION. [1960] 24p. 15 refs. Order from SLA ml\$2.70, pt\$4.80 61-10319

1. Germanium--Conductivity
  2. Metal films--Conductivity
- I. Richter, H.  
 II. Schneider, R.

Trans. of Zeitschr[ift für] Angew[andte] Physik (West Germany) 1959, v. 11, no. 7, p. 277-283.

Resistance measurements were made for Ge films deposited by vaporization in a high vacuum at 20° to 600°C. The shape of the resistance curves was strongly dependent on the mode of preparation of the films. In general, the resistance curves of amorphous Ge show impurity conductivity (activation energy: 0.25 to 0.65ev) and characteristic conductivity (activation energy: 0.90ev). The branches of impurity and characteristic conductivity are straight lines. In the case of impurity conductivity the dependence of the resistance and the activation energy on the impurity concentration is linear. (orig. in Zeitschr. f. angew. Physik, 11, v. 5, pp. 4) (over)

orig. in Zeitschr. f. angew. Physik

crystalline is distinguished by a clearly expressed resistance discontinuity for special amorphous Ge films deposited by vaporization. In such cases the conversion is sudden and occurs at about 300°C. The activation energy of converted (crystalline) Ge is 0.75eV and is in agreement with measurements on crystalline Ge. (Author)

PB- 61-10319

(NY-5560)

Tasks of the Electric Instrument Industry, by H.  
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JPRS 7753

EEur - Germany

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New Problems of Boiler Feed Water Treatment, by  
H. Richter, 8 p.

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Vol XXXVII, No 15, pp 389-392.

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A New Method for Large Scale Mapping of Relief,  
by Hans Richter.

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<p>Richter, H[erbert] and Wassermann, G[ünter]. ON THE EFFECT OF DEFORMATIONS ON THE MECHANICAL PROPERTIES OF A PRECIPITATION HARDENING ALUMINIUM ALLOY. [1961]. FRI Trans-137 Order from FRI</p> <p>Trans. of Z[eitschrift für] Metallk[un]de (West Germany) 1958, v. 49, no. 11, p. 549-556. Another translation is available from SLA mi\$2.70, pb\$4.80 as 60-18903 [1960] 26p.</p> <p>DESCRIPTORS: *Aluminum alloys, *Mechanical prop- erties, *Hardening.</p> <p>For abstract see Technical Translations 4: 687, 1960.</p> <p>(Metallurgy. TT, v. 6, no. 1)</p>	<p>61-22415</p> <p>I. Title: Precipitation hardening I. Richter, H. II. Wassermann, G. III. FRI Trans-137 IV. Fulmer Research Inst., Ltd. (Gt. Brit.)</p> <p><i>OT/4203 Fulmer Res. Inst. (687)</i></p> <p>Office of Technical Services</p>
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Structure of Amorphous Germanium and Silicon  
H. Richter,  
GEMMPT, Deutsche Zeitschrift für Naturforschung,  
Vol 11a, 1956, pp 988-996.  
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*H. Richter*

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Ultrasonic Testing of Austenitic Weldments-1,  
by H. U. Richter,  
GERMAN, per. Technik, Vol 23, Oct, 1968,  
pp 610-619.  
BISI 8479

*H. U. Richter*

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Economic Quality Control Through Nondestructive  
Materials Testing, by H. U. Richter, 15pp.

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Economic Quality Control Through Non-destructive Materials Testing, by H. U. Richter, 15 pp.

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93 pp.

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Ingenieurwesens, No 338, 1930, pp 1-31. 9094472

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Pressure Drop in Smooth Pipe Bends, by Hugo Richter,  
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Tentative Standards for Disintegrating Property  
Solubility and External Nature of Moulded  
Drugs and for the Type of Substances Permitted  
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J. Richter, H. Klein,

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Procedure for Hydrolysis of Cellulose-Containing  
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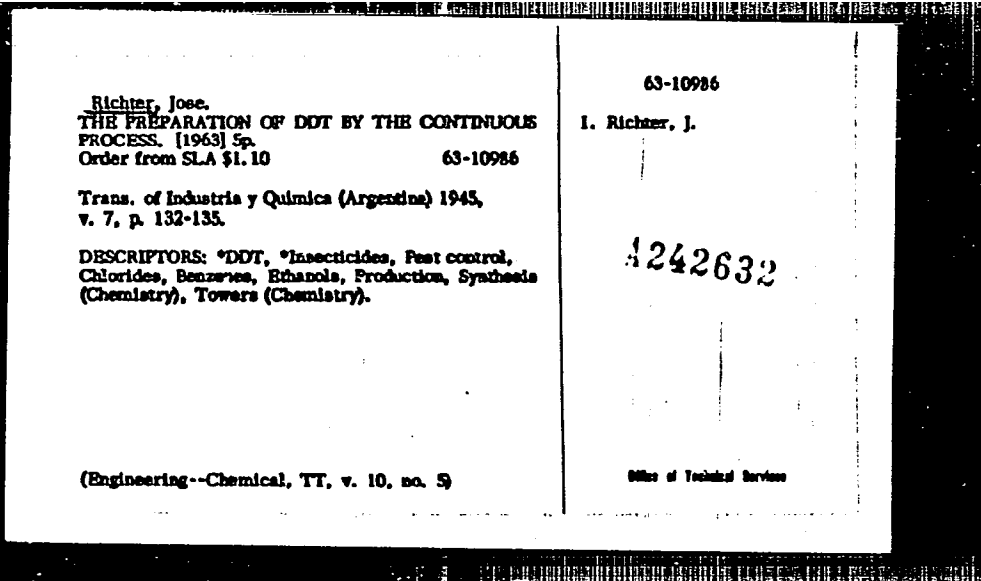
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PROCESS. [1963] 5p.  
Order from SLA \$1.10                      63-10986

Trans. of Industria y Quimica (Argentina) 1945,  
v. 7, p. 132-135.

DESCRIPTORS: \*DDT, \*Insecticides, Pest control,  
Chlorides, Benzenes, Ethanols, Production, Synthesis  
(Chemistry), Towers (Chemistry).

(Engineering--Chemical, TT, v. 10, no. 5)

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I. Richter, J.

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TT-64-22556

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PROCESS FOR THE PRODUCTION OF DYED FIBRES,  
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TTIS NS 218

Trans. of East German patent 26,640, appl. 28 Mar 62,  
pub. 17 Dec 63.

- I. Richter, J.
- II. Patent (East Germany)  
26 640
- III. TTIS-NS-218
- IV. Translation and Technical  
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(Materials--Textiles, TT, v. 12, no. 6)

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Rapid Oral Examination of Gallbladder and Bile Ducts,  
by K. Richter, A. Stecken, H. Witte, 6 pp.

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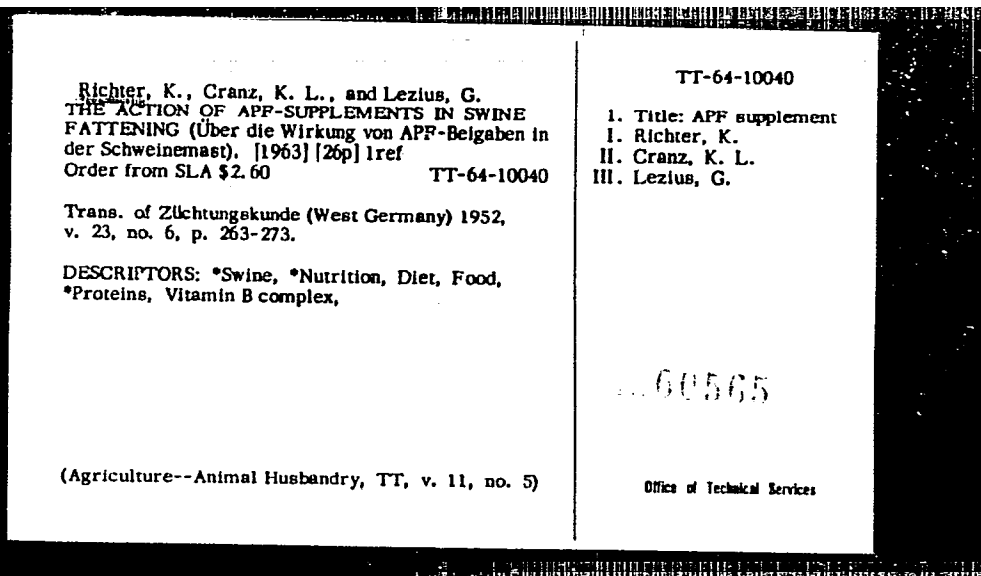
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Use of High Purity Materials in Thermometry, by  
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Symposium on Pure Materials in Science and Tech-  
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pp 345-355.  
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The suitability of the xenon lamp as a standard light source for measurements of radiation and colour, by H. G. Fruhling, W. Munch, H. Richter, 41 pp.

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BLA 58-564

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The Present Status of Color Theory, by Manfred  
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Socialist Work Methods Improve the Work of the  
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JPRS 2338

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About the Physiology of Wearing Apparel, by  
K. H. Richter, 10 pp.

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pp 40-45.

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Use of High Purity Materials in Thermometry, by  
H. Richter.  
GSR:44, rpt, Paper Presented at International  
Symposium on Pure Materials in Science and Tech-  
nology held at Bresden Nov 30 - Dec 2 1961,  
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New Plate for Astrol-Photography in the  
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IGC 113

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Richter, N. E.  
THE NATURE OF COMETS, REV. ED.  
Arthur Peet, tr. 1963. 1v  
Order from Dover Publications, Inc., 180 Varick St.,  
New York, 14, N. Y. \$10.00

Trans. and revision of an unidentified mono. . . n.p. n.d.  
(Abstract available)

DESCRIPTORS: \*Comets, Statistical data, Tables,  
Planets, Meteors, Orbital trajectories,

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ceptions and theories of comets from 1700 to the pres-  
ent. There follow chapters on statistical research  
(total number of comets, orbital forms, the general  
circumsolar cometary system, the central planetary  
comet system, perturbations caused by Jupiter, comet  
groups and families, etc.); the structure of a comet;  
(Astronomy--Astrophysics, TT, v. 11, no. 11) (over)

TT-64-12252

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The Testboard for Long Distance Cable Lines, by W. Gebhardt, P. Richter, 76 pp.

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(SF-1856)

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Organization of the Export Plan, by R. Richter,  
9 pp.

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JPRS 12656

EEur-Germany  
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DIVISION OF LABOR, BY DOLLY RICHTER-HANES,  
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1962, PP 356-360.

JPRS 17576

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Connection for Discharge Relay With Interrupter in  
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Connection for Gas-Filled Electric Discharge Relay,  
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Vol XXII, No 18, pp 437-441. 1955

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314 Albert Street  
East Melbourne, Australia  
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Relay Connections, by Rudolf Hermann Heinrich Gaffken,  
Rudolf Hans Richter, 6 pp.

GERMAN, Patent No 527,045.

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Relay Connection With Three Electrode Glow Discharge  
Tube, by Rudolf Hermann Heinrich, Rudolf Hans Richter,  
& pp. (Gefick)

GERMAN, Patent No 506,861.

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Glow Discharge Relay Tube, by Rudolf Hermann Heinrich  
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