

The measurement of the displacement energy of a lattice atom by electron collisions in $Al^{III} V$ compounds, by H. Bauerlein, 15 pp.

75

German, per. Zeit fur Physik, No 176, 1965, pp 498-503. 9699059
FTD-TT-65-685

AEC-AI-6-3 R. Bauerlein

Sci - Nucl Sci
Jan 66

104.703

Supplement to U-Report 103 on the Question of
Aluminum Carbide Formation from the Thermal
Reduction of Al_2O_3 with Carbon, by Bauermeister,
6 pp.

14
GREENMAN, Research Report Review 125, November-
December 1939.

S.L.A. Tr 970

33,014

Sci - Metals / Minerals

Apr 56

The Nature and the Uses of the "Kiel" Bone
Chips, by R. Mantz, A. Bauermeister,
17 pp.

GERMAN, rpt, Melsunger Med Pharmazout
Mittell Wissen u. Praxis, No 97.

Navy Tr 3670/NMS 837

Sci - Biol & Med
Jan 64

248,517

Treatment of Cysts, Tumors and Inflammatory
Processes in Bones With the Kiel Bone Chips, by
Arnold Eggenmeister, 35 pp.

GERMANY, per, Beiträge zur Klinischen Chirurgie
Braunschweig, Vol CCIII, No 3, 1961.

Lawr Tr 3706/MS 640

Sci. - Biol. & Med
Feb 64

248, 861

Stability of Sodium Aluminate Solutions Between
74°C and 94°C., by G. Bawernsister, 5 pp.

GERMAN, per, Aluminium, April 1941, pp 205-208.

S.L.A. Tr 971

33,016

Sci - Metals/Minerals

Apr 56

Contribution to the knowledge of the Bayer process,
by G. Baumgarter, W. Fulda, 6 pp.

GERMAN, per, Aluminium, p March 1943, pp 97-100.

S.L.A. Tr 969

Sci - Mineral/Metals

33,020

Apr 56

(NY-6450)

Better Planned Employment of Manpower, by
Gerhard Bauermeister. 6 pp.

GERMANY, par, Arbeit und Sozialversorg.,
Vol XVI, No 10, May 1961, pp 215-216.

JPRS 12580

EEur - Germany
RCM
Feb 62

185,831

How Can Armament Technology as a Vital
Element of Defense Be Most Efficiently Brought
to Bear in the "Bundeswehr?" by Hermann
Baummeister, 14 pp.

GERMANY, per, Wehrtechnische Monatshefte,
No 12, 1961, pp 512-524.

ACSI I-0747
ID 2186170

ESUR - Germany
ML1
21 Mar 62

188,208

Concerning the Mitigation of Front-wheel
Shimmying Through Road Unevennesses, by B.
Bauernstein, 25 pp.

GERMAN, per, ATZ Automobiltechnische Zeit-
schrift, Vol LXI, X No 10, 1959.

SLA 60-14067

Sci
Sep 61

169,360

Some Features of Arginine Metabolism in Birds, by
Ya. Bauerova, P. Sorn, 6 pp.

RUSSIAN, bino per, Biokhin, Vol XXI, No 3,
1956, pp 397-402, -----

Consultants Bureau

Sci - Biol
Chem

45,372

On an Extension of Prandtl's Diaphragm Analogy,
by W. Bauersfeld

GERMAN, per, Ing Arch, Vol V, No 1, 1934,
pp 69-82.

¹
Nat'l Res Council Canada TF 15

Scientific - Engineering;
Jul CTS/DEX

Price 0.25 15,607

Study of Deterrence with an Introduction by
General Bouffre, 23 pp.
FRANCE, par, Strategie, Vol I, No 1, Summer 1964,
pp 48-59; Vol II, No 2, Fall 1964, pp 39-60.
JFHM 20633

US-France
Sci-Nuclear Sci
Feb 65

P 99

P 35

275,192

UNION STRENGTH IN 1962, BY MARCEL BAUFRENE,
14 PP. GOVERNMENT USE ONLY .

RPT. FORCES SYNDICALES
FRENCH, ~~W. GERMANY~~, JUN 1962, 23 PP.

JPRS 17928

WEUR - FRANCE
ECON .
MAR 63

224,313

Statistical Study of 18,972 Investigations ³¹
on Hermatozoa over a Period of Three Years,
by R. Hauge.
FRENCH, per, Extreme Orient Medicales, Vol 6,
1953, pp. 104-10.
NTC 69-11602-06E

R. Hauge

Sci-HQM
July 69

387,542

Thrust Reversers for Braking Jet Aircraft, by
L. Darger. UNCLASSIFIED

FRENCH, rpt, Proces Deuxieme Sur Aeron Congres,
1956, pp 4.1-4.25.

TIL Tr 4869

Sci - Aero
Jun 58

64,507

Rapidly Locking ~~Vice~~ ^S ~~Exgr~~ by Adrien-Auguste
Barthand, 6 pp.

FRENCH, Patent No 63003, Addition.

US Dept of Commerce
Patent Office
Scientific Library (Loan)

Sol - Engineering
Oct 1956 CTS/dex

40,226

THE YEARS VEB BUNNARD (CONSTRUCTION SITE),
BERLIN, BY BAUHA, WALTER UEBELACK, 6 PP

GERMAN, PDR, BAUHAND-BAUTECHNIK, NO 1,
1963, PP 157-158.

JPRS 19835

FORM - GERMAN
ECON .
JUN 63

34,811

Striking Concentration of Bronchial Cancer in
Workers in the Chemical Industry, by W. ~~KLOFF~~
Alvens, E. E. Bouke, W. Jonas, 10 pp.

GERMAN, per, Munch Med Wschr, No 83, 1936, pp
485-487.

III

Scientific - Medicine
CTS/DEX

11,372

The Synthesis of Hydrocarbons. LXXI. The Synthesis
of Dinecalkyle $C_{12}H_{26}$ -- $C_{14}H_{30}$; by R. Ya. Levina,
I. Baukh, P. A. Kaikaris, E. G. Treshchova, 6 pp.

RUSSIAN, per, Zhur Obsheh Khim, Vol XXIX, No 9,
1959, 2945-2950.

CB

Sci

129,289

Sep 60

Synthesis of Hydrocarbons. LXIX. New General
Method of Synthesizing Dineoalkyls
(C₁₀-~~E-26~~) --Dineopentyl and Its Homologs, by
R. Ya. Levina, P. A. Kalkaris, I. Baukh, E. G.
Treshchova, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, NO 7,
1959, pp 2236-2240.

CB

Sci

124,689

AUG 60

(NY-1374/48)

The Latest in the Organization and Tactics of the
Combat Group Medical Service of the American
Infantry Division, by L. I. Baukin.

RUSSIAN, per, Voyezmo Med Zhur, No 11, 1961,
pp 88-92.

JPRS 12766

Sic1

188, 467

Mar 62

(S) (U)

The Problem of Medical Service Organi-
zation of the Combat Unit of the American
Infantry Division, by L. I. Baukin

RUSSIAN, no per, Voyenno Med Zhur, No 2,
Moscow, Feb 1961, pp 88-92

US JPRS 9303

Sci

Jul 61

157,779

Protection of Blood, Bacterial Prepara-
tions and Medicinals from the Effect
of Low and High Temperatures, by L. I.
Baukin, N. I. Komin, K. P. Vezno

RUSSIAN, mo per, Voenno Med Zhur,
No 11, Moscow, Nov 1958, pp 68-71

US JPRS 1249-3

Sci - Med

81,395

Feb 59

Myocardial Involvements in Certain Virus
Diseases, by M.S. Kushakovskiy, N. Baikin

RUSSIAN no per, Voenno Med Zhur, No 5,
Moscow, May 1958, pp 44-48

US JPRS/NY-713

Sci-Med
Oct 58

74, 531

THE CHURCH IN THE BIRE ACCORDATES ITSELF, BY
FRIEDHELM BARKER, 1) PP.

BERLIN, PER, 202 NICHIV, NDL XIV, NO 1/2,
1963, PP 7-10.

JPRS 18671

IN
EILER - GERMAN
SOC, POL
APR 63

228,376

Solubility of Hydrogen in Steel, Armco Iron, Cu, Ni,
and Al, by W. Baukloh.

GERMAN, per, Z. Metallkde, Vol 28, 1936, pp 34-40.

*NTIS/USDC/NBS TT 71-55042

Available NBS Only

W. Baukloh

May 71

Diffusion of hydrogen in Metals. by W. Bankloh. ³⁸
GILMAN, por. Arch Eisenh., No 11. 1937. pp 273-278. ⁴⁷
*HIS TO 70-57482

Sol-Flat
Aug 70

W. Bankloh

Decarburization De Quelques Aciers Allies Par L'Hydrogene.
(Decarbonization of Some Steels Combined With Hydrogen),
by W. Bankloh, H. Guthmann, 10 pp.

FRENCH from GERMAN, per, Arch Eisenhüttenw, Vol IX,
1935, pp 201, 202.

Reverse Translation
AEC/CEA-Tr-A494

Decarburization Par l'Hydrogene d'Alliages Fer-carbone
Purs et D'Aciers Allies, (Hydrogen Decarbidation of
Pure Iron-Carbon Alloys and Alloy Steels), by W.
Sieg Baukloh, W. von Krommels, 47 pp.

GERMAN to FRENCH, par, Arch Huttenwer Dtsch,
Vol XI, No 3, 1937, pp 145-156.

Reverse Trans
(HA Tr-A-631

Sci
May 61

Hydrogen Permeability in Cu, Fe, Ni, Al 47
and Some Alloys, by W. Baukloh.
GERMANY, per, Z. Metallkde, 27, 1935,
pp. 281-285.
*NBS TT 70-57284

Sci/mater
Jul 70

W. Baukloh

The Action of Hydrogen on Metals, by W. Haukioh,

GERMAN, per, Chemische Fabrik, Vol ~~XX~~ XI, 1938,
pp 449-455.

AEC Tr 482

Also Avail as Bratcher
Tr 860

Scientific - Chemistry

June 1951 CTS/DEX

14.153

On the Hydrogen Sickness of Some Metals, by
W. Bunkloh

CHERMAN, per, Z Metallkunde, Vol XXIX, 1937,
pp 427-433.

Nat'l Res Council Canada TR 353

Scientific - Minerals/Metals
Aug/ CTS/DEX

16,861

Concerning the Destructive Effects of Carben
Monoxide and Gases Containing Carbon Monoxide,
by W. Baukisch, 10 pp.

GERMAN, per, Die Chemische Fabrik, Vol ~~XXX~~
Vol XIII, No 6, 1940, pp 101-104.

S.L.A. Tr 1074/1956

Sci - Chemistry
Oct 1956 CTS

39,496

Oxides

The Primary Reaction of Metallic ~~EXXIX~~ With Solid Carbon, by W. Bauhoff, R. Durrer.

H
GERMANY, per, Zeitschrift Anorganische Allgemeine Chemie, Vol CCXXII, 1935.

Brutcher Tr No 212

Scientific - Min/Metals

\$3.30

14 142

Permeability of Copper, Iron, Nickel, Aluminum and Some Alloys to Hydrogen, by W. Baukloh, H. Kayser.

GERMAN, per, Zeitschr. Metallkunde, Vol XXVII, 1935.

Brutcher Tr No 269)

Scientific - Min/Metals

14,143

\$3.80

Permeability to Hydrogen of Copper, Nickel, and Some
Alloys, by W. Baukloh, H. Kayser.

GERMAN, per, Zeitschrift Metallkunde, Vol XXVI, 1934.

Brutcher Tr No 271

Scientific - Min/Metals

\$2.85

14,144

Permeability to and Decarburization by Hydrogen of
Steels, Araco Iron, Copper, Nickel, and Aluminum
Under Elevated Pressures, by N. Bauklob, E Guthman.

GERMAN, per, Zeitschrift Metallkunde, Vol XXVIII,
1936, pp 34-40.

Brutcher Tr No 359

Scientific - Min/Metals

\$5.20

14,140

Gases Generated in the Reduction of Iron Oxides by
Carbon, by W. Bahlloh, G. Zimmermann.

GERMAN, per, Stahl Und Eisen, Vol LIII, 1933.

Brutcher Tr No 112

14,141

Scientific - Min/Metals

\$1.75

Decarburization of Some Alloy Steels by Hydrogen,
by W. Dankloh, H. Guttmann.

GERMAN, per, Archiv Eisenhüttenwesen, Vol IX, 1935.

Brutcher Tr No 921

Scientific - Min/Metals

\$1.60

14,148

Vaporization of Manganese From Iron Alloys
Containing Manganese, by W. Baukloh, H. Uehlinger.

GERMAN, per, Metallwirtschaft, Vol XVII, 1933.

Brutcher
~~XXXXXXXX~~ Tr No 617

Scientific - Min/Metals

\$1.70

14,146

Reduction of Titanium Dioxide by Solid Carbon and
Carbon-Containing Iron, by W. Baukloh, R. Durrer.

GERMAN, per, Stahl und Eisen, Vol LX, 1940.

Brutcher Tr No 826

Scientific - Min/Metals 14,147

\$1.20

Baukloh, W.
PRINCIPLES OF ANNEALING UNDER PROTECTIVE
ATMOSPHERES. [1962] 12p. ([refs.] figs. tables
omitted).
Order from SLA \$1.60

62-16927

Trans. of die Technik (German?) 1949, v. 4, no. 1,
p. 14-19.

DESCRIPTORS: *Annealing, Atmosphere, Exchange
reactions, Gases, Metals.

(Metallurgy, TT, v. 8, no. 9)

62-16927

1. Title: Protective atmospheres
1. Baukloh, W.

020033

Office of Technical Services

Disintegrating Effect of Carbon Monoxide Upon Iron Ore,
by W. Bruckloh, F. Jaeger.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XIII, 1939-
1940, pp 65-67.

Brutcher Tr No 2250

Scientific - Min/Metals

\$2.60

14,158

Permeability of Steel to Hydrogen at 1300-1630° F. by
G. Lavkonja, W. Baukloh.

GERMAN, per, Archiv Hüttenwesen, Vol VI, No 10,
1933.

Brutcher Tr 945

Scientific - Min/Metals

~~12, 745~~ 14, 419

Influence of Gaseous Admixtures Upon Decomposition of
Carbon Monoxide, by W. Baukloh, E. Spetzler.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XIII, No 5,
1939-1940, pp 223-226.

Brutcher Tr No 1069

Scientific - Min/Metals

14,150

\$1.80

Decarburizing of Cast Iron in Carbon Monoxide-
Carbon Dioxide Mixtures, by W. Baukloh, U. Engelbert.

GERMAN, per, Archive Eisenhüttenwesen, Vol XV,
1941-1942, pp 247, 248.

Bratcher Tr 1230

Scientific - Min/Metals

\$1.70

12,746

Influence of Temperature and Pressure Upon Carbon
Monoxide Decomposition and the Disintegrating Effect
of Carbon, by W. Baukloh, B. Edwin.

GERMAN, per, Archiv Für Das Eisenhüttenwesen,
Vol XVI, No 6, 1942-1943, pp 197-200.

Brutcher Tr 1372

Scientific - Min/Metals

\$4.80

12,740

The Influence of Minerals on the Decomposition of
CO and Methane, by W. Baukloh, J. Heilbruggs.

GERMAN, per, Arch Eisenhüttenw, Vol XV, No 4, Oct
1941, pp 163-168.

ASLIB-0234

Sci.

Aug 59

94, 232

The Effect of Cerium on Cast Iron, by W. Baukloh,
H. Meierling.

GERMAN, per, Die Giesserei, Vol XXVII, 1940, 1st
pp 331-341. CIA 9042315

Brutcher Tr 1433

Scientific - Min/Metals

\$4.10

12,742

Influence of Thorium on Cast Iron, by W. Baukloh,
Meierling.

GERMAN, per, Die Giesserei, Vol XXIX, 1942.

Brutcher Tr 1470

Scientific - Mix/Metals

\$1.60

12,743

Solubility of Hydrogen in Iron-Tungsten Alloys, by
W. Bruckloh, K. Jehlen.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XII, No 1,
1938.

Brutcher Tr No 1786

Scientific - Min/Metals

\$1.80

14,156

IRON AND SOME FERROUS ALLOYS ATTACKED BY SULFIDES
Containing Hydrogen Sulfide, by W. Baukloh,
E. Spetzler,

GERMAN, per, Korrosion und Metallschutz, Vol XVI,
No 4, 1940, pp 116-121.

27832

Brutcher Tr 3408

Scientific - Min/Metals, Chemistry

Oct 55 CTS

Distribution of Pure Iron-Carbon Alloys and
Alloy Steels by Hydrogen, by W. Baukloh, W. Von
Eisenfels.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XI, 1937.

Brutcher Tr 521

Scientific - Min/Metals

\$8.90

12,748

On the Reduction Mechanism of Iron Oxides, by
W. Haukloh, R. Durrer.

GERMAN, per, Stahl Und Eisen, Vol LIV,

Brutcher Tr No 1846

Scientific - Min/Metals

\$5.70

14,157

Baukloh, W.

DESULPHURIZATION OF IRON BY HYDROGEN.

[Feb 48] 6p. 4 refs.

Order from SLA mi\$1. 80, ph\$1. 80 60-18813

Trans. of Metallwirtschaft [Metallwissenschaft, Metall-
technik] (Germany) 1936, v. 15, Dec, p. 1193-1196.

60-18813

1. Sulfur--Separation
 2. Iron--Purification
 3. Title: Desulphurization
- I. Baukloh, W.

(Unannounced)

Office of Technical Services.

46
Dark Pictures of Einstein, by Walter Danks, 17 pp.
GERMAN, in: Archiv fur Wissenschaften, Vol. XII,
1948, pp. 245-257.
AEC-SC-1-14-7

Sci-Stat Div
Jan 64

200,000

The Solubility of Hydrogen in Aluminum and a
Few of Its Alloys, by Walter Baukloh, Friedrich
Oesterlen, 10 pp.

GERMAN, per, *Zeitschrift für Metallkunde*, Vol XIX,
1938, p 389.

S.I.A. Tr 972

Sci - Metals/Minerals 33,015

Apr 56

Baukloh, Walter and Foroud, A. K.
 THE DECARBURISATION OF CAST IRON AND
 MALLEABLE IRON IN HYDROGEN AND IN
 MIXTURES OF HYDROGEN AND WATER VAPOUR.
 Rept. no. 619 of the Materials Committee of the Verein
 Deutscher Eisenhüttenleute; abridged version of
 Doctor's thesis. Technische Hochschule, Berlin.
 [Dec 43] 16p. (5 figs. omitted) 8 refs.
 Order from SLA \$1.60

61-18461

Trans. of Archiv für das Eisenhüttenwesen (Germany)
 1945, v. 16, Mar., p. 355-362.

DESCRIPTORS: *Cast Iron, *Hydrogen, *Water vapor,
 Manganese, Mixtures, Graphite, Carbon, Temperature.

(Unannounced)

61-18461

- I. Title: Decarburization
- I. Baukloh, W.
- II. Foroud, A. K.
- III. Title: Verein...
- IV. Technische Hochschule,
 Berlin (Germany)

Office of Technical Services

Baukloh, Walter, Schulte, Fritz, and Friederichs, Hellmut.

A STUDY OF THE PROCESSES INVOLVED IN THE MALLEABILISING OF UNALLOYED AND ALLOYED CAST IRON IN CARBON-MONOXIDE/CARBON-DIOXIDE MIXTURES. Rept. no. 618 of the Materials Committee of the Verein Deutscher Eisenhüttenleute; abridged version of Doctor's thesis Technische Hochschule, Berlin. Dec 43, 32p. (1 fig. omitted) 18 refs.

Order from SLA \$3.60

61-18457

Trans. of Archiv für das Eisenhüttenwesen (Germany) 1943, v. 16, Mar, p. 341-354.

DESCRIPTORS: *Cast iron, Iron alloys, Carbon dioxide, Carbon compounds, Monoxides, Mixtures, Temperature, Diffusion, Metallurgy.

(Unannounced)

61-18457

- I . Baukloh, W.
- II . Schulte, F.
- III . Friederichs, H
- IV . Title: Verein...
- V . Technische Hochschule, Berlin (Germany)
- VI . BISI-158

Office of Technical Services

Heating of non-continuous oven installations in the
Earthenware Pipe Industry with long distance gasheating,
by G. Baukrogitz.
GERMAN, per. ~~Alta-Builla-Kerna-Techn.~~ 1965, No 2, p 15
CRK/T. 1726x

G. BAUKROGITZ

Sci -
Sep 67

340,259

Theoretical Treatment of Phenomena in
Rarefied Gases, by B. Baule,
GERMAN,
REISSNER, per, Annalen der Physik, Vol XXXXIII,
1914, pp 145-176.

RAE 932

Sci - Phys

167,856

3ep 61

A Physical Analogy to the Law of Plant Yield,
by B. Braule.

GERMAN, per, Z. Acker-u Pflanzbau, Vol XCVIII,
No 3, 1954, pp 265-278.

CSIRO-2860

Sci

Aug 58

71,224

A Measuring Instrument for Explosion Vibrations,
by H. Beule,

BERMAN, per, Nobel Hafte, 1961, pp 67-71.

TIL T5280

Sci - Engr

Apr 63

129,401

Electrolytic Procedure For the Protection of
Metals, by Marie-Emile-Alfred Baule, Albert-
Jean Ducamp, 5 p.

FRENCH, patent, 721,675, Gr. 12, Cl. 7,
pub. 7 Mar 32, applied for 18 Nov 30, granted
22 Dec 31.

SLA 59-17104

Sci
Jan 60
Vol 2, No 8

105,538

Changes Produced in Polyamides by Chemical
and/or Physical Processes. I, Study of the
Degradation Products of Secondary Diamides,
by A. Cannepin, A. Baulenas.

FRINCH, bulletin, Inst Textile de France,
No 101, 1962, pp 641-651.

GB/256/T.1506

Sci-Chem

Aug 63

342,029

Experimental data on the Hydrolysis of the
Urinary 17-Ketosteroid Conjugates by
Enzymes of the Digestive Juice of Helix
Pomatia, (L), by Max F. Jayle, E.E. Baulieu,
29 pp.

FRENCH, per, Bull Soc De Chimie Biologique,
Vol XXXVI, N 10, 1954, pp 1391-1406.

NIH Tr 910

Sci - Biology

30,328

TRACK AND THE SPHERE OF SERVICES BY A. BALKIN,
7 PP.

MOSCOW, USSR, SOKRETNAYA TORGOVLYA, 21 AUG 63,

ISSN 2170

USSR
MOSCOW
AUG 63

201,589

A Spark Chronoscope for the Oscillographic Reception
of Time Signals, by M. D. Sopel'nikov, I. V. Baulin,
5 pp.

RUSSIAN, per, Astron Zhur, Vol XXXVII, No 1,
1960, pp 151-155.

AIP
Sov Astron - AJ
Vol IV, No 1

Sci
Oct 60

130,398

**Industrial Expansion of a Vast and Rich Region: The Urals, by
L. Smith, 6 pp.**

RUSSIAN, per, Vnesh Torg, No 10, 1963, pp 32-35.

JPAS 23461

**USSR
Rice
Jan 64**

245, 439

(DC-2500#1)

Training Center Constructed, by V. Baulin,
RUSSIAN, np, Sovetskiy Patriot, 13 Nov 1960, p 2.

*JPRS

USSR

Mil - Civil Defense

3 May 61

Removal of Silicates From Water by Magnesite
Sorbent Developed by VODGEO Institute, by V. M.
Kvyatkovskiy, A. I. Baulina.

RUSSIAN, per, Teploenergetika, No 10, 1958,
pp 46-51.

DSIR LLU RTS 1544

Sci - Chem, Engr

128,855

Oct 60

Standing with Gerasimov, by S. A. Zhurav, S. M.
Kuroshkin, P. V. Ushakov.

RUSSIAN, per, Iz Vostok Ucheb KHMEN Zaved,
Chern Mat, No 2, 1961, pp 22-33.

EB 5151

Set - Chrus
Oct 61

171, 862

Baum, F. A., Stanyukovich, K. P., and Shekhter, B. I.
PHYSICS OF AN EXPLOSION, CHAP. X: COMBUSTION
OF EXPLOSIVES. [1962] [87]p. 13 refs. AERDL
T-1488 (j); RIS E-875.
Order from OTS or SLA \$8.10 62-32430-3

Partial trans. of mono. [Fizika Vzryuva, Moscow,
1959, 800p.].
Another trans. is available from OTS \$7.60 as
AD-278 133, STL Trans-66.

DESCRIPTORS: *Explosives, *Combustion, Physics,
*Explosions, Ignition, Gases, Flames, Explosive
gases, Detonation, Pressure, Theory, Fulminates,
TNT, TETN, RDX, Tetryl, Powders, Benzenes,
Nitro radicals, Organic azides.

Contents: Basic characteristics of combustion processes
of explosives Combustion of gaseous explosive systems
(Physics, TT, v. 9, no. 8) (over)

62-32430-3

- I. Baum, F. A.
- II. Stanyukovich, K. P.
- III. Shekhter, B. I.
- IV. Title: Combustion...
- V. AERDL T-1488 (j)
- VI. RIS E-875
- VII. Army Engineer
Research and Develop-
ment Labs., Fort
Belvoir, Va.
- VIII. Research Information
Service, New York
- IX. 62-32430-4 canceled.
Included in 62-32430-3
1-50000

Office of Technical Services

On the Explosive Limits of Hydrogen-Air Mixtures, by H. J. Schuster
E. BARR, 14 pp.

Full translation.

SPANISH, Faculty of Chemistry and Pharmacy, Research
Institute La Plata.

CIA/FDD Z-25

US - Spain
Scientific - Chemistry, Explosive limits, Hydrogen-air
mixture

Oct 52 CTS/TKX A-107

108

Hygrometer, by E. Baum.
C. HILMAN, Patent No 922,796, 1955
AEC NP-Tr-1274 9229631

E. BAUM

Sci-Engr
How GS 201,932

Observations of Kinetic Measurements on Reactive
Dye-Stuffs. 1. by U. Baumgarte, F. Feichtmayr.
GERMAN, per Melliand Textil. Vol. 3, 1963, pp 267-270
QB 190

U. BAUMGARTE

Sci -
Aug 67

339-690

On the Formation of Hydrogen Sulphide in Meat by
Microorganisms and by Heating, by H. Baumgartner,
F. BERTH.

GERMAN, per, Ernahrungsforschung, Vol V, No 1,
1960, pp 40-55.

CSIRO/No 61489

Sci-Biol

Aug 63

342,010

Physics of an Explosion, by F. A. Bunn.

RUSSIAN, bk, Fizika Vzryva, 18 Chapters I-VI,
1959.

ERDL, Pt X Helvoir T-1483
ALC/MS/T-11

Sci - Phys
Aug 62

211, 419

Physics of an Explosion, by F. A. Baum. et al.

RUSSIAN, bk, Fizika Vzyva, Chapters X-XV, Moscow,
1959.

MAIL, Ft Belvoir T-1488

DP T-1488

Sci - Phys
Jan 63

2020,72

Baum, E. A., Stanyukovich, K. P., and
Shekhter, B. I.

PHYSICS OF AN EXPLOSION, CHAP. XI. BRISANCE
OF EXPLOSIVES. CHAP. XII. CUMULATION. [1962]
[163]p. AERDL T-1488 (k-1).
Order from OTS or SLA \$12.00 62-32430-5

Partial trans. of mono. [Fizika Vzryuva, Moscow,
1959, 800p.].
Another trans. of v. 12 is available from OTS \$9.60
as AD-266 215, FRL TN-94.

DESCRIPTORS: Physics, *Explosions, *Explosion ef-
fects, Damage, *Shock waves, Fragmentation,
*Shaped charges, *Cavity liners, Jet flames.

See also 62-32430-3

(Physics, TT, v. 9, no. 8)

62-32430-5

- I. Title: Brisance
- I. Baum, F. A.
- II. Stanyukovich, K. P.
- III. Shekhter, B. I.
- IV. Title: Brisance...
- V. Title: Cumulation
- VI. AERDL T-1488 (k-1)
- VII. Army Engineer Research
and Development Labs.,
Fort Belvoir, Va.
- VIII. Research Information
Service, New York

62-32430-5

Office of Technical Services

Baum, F. A., Stanyukovich, K. P., and Shekhter, B. I.
PHYSICS OF AN EXPLOSION, CHAP. XIII: EXPLOSION IN AIR. [1962] [135]p. AERDL T-1488 (m).
Order from OTS or SLA \$iG.50 62-32430-6

Partial trans. of mono. [Fizika Vzryuva, Moscow, 1959, 800p.].

DESCRIPTORS: Physics, *Explosions, Air, Explosion effects, Damage, *Shock waves, Detonation waves, Fragmentation, Projectiles, Velocity.

Contents:

Fundamental physical effects originating as a result of an explosion

One-dimensional dispersion of detonation products
Dispersion of detonation products for an inclined section

(Physics, TT, v. 9, no. 8)

(over)

62-32430-6

- I. Baum, F. A.
- II. Stanyukovich, K. P.
- III. Shekhter, B. I.
- IV. Title: Explosion ...
- V. AERDL T-1488 (m)
- VI. Army Engineer Research and Development Labs., Fort Belvoir, Va.
- VII. Research Information Service, New York

1 5 0 0 0 0 0 0
Office of Technical Services

Baum, F. A., Sanyukovich, K. P., and
Shekhter, B. I.

PHYSICS OF AN EXPLOSION. CHAP. XIV. EXPLOSIONS IN DENSE MEDIA. CHAP. XV. SYMPATHETIC DETONATION. [1962] [147]p. AERDL T-1488 (n-o).
Order from OTS or SLA \$11.00 62-32430-7

Partial trans. of mono. [Fizika Vzryuva, Moscow, 1959, 800p.].

DESCRIPTORS: Physics, *Explosions, *Shock waves, *Wave transmission, Theory, Projectiles, Gases, Water, Solids, Continuous media, Soils, *Meteorites, Impact shock, *Detonations.

See also 62-32430-6

(Physics, TT, v. 9, no. 8)

62-32430-7

- I. Title: Sympathetic detonation
- I. Baum, F. A.
- II. Sanyukovich, K. P.
- III. Shekhter, B. I.
- IV. Title: Explosions ...
- V. Title: Sympathetic ...
- VI. AERDL T-1488 (n-o)
- VII. Army Engineer Research and Development Labs., Fort Belvoir, Va.
- VIII. Research Information Service, New York

66650

Office of Technical Services

Baum, F. A., Stanyukovich, K. P., and Shekhter, B. I.
PHYSICS OF AN EXPLOSION, SUPPLEMENT: TOWARD THE THEORY OF CUMULATION OF GASES. [1962] [15] p. AERDL T-1488 (p); RIS E-881.
Order from OTS or SLA \$1.60 62-32430-8

Partial trans. of mono. [Fizika Vzryuva, Moscow, 1959, 800p.].

DESCRIPTORS: Physics, *Explosions, *Shock waves, Gases, Dynamics, Theory.

(See also 62-32430-7)

(Physics, TT, v. 9, no. 8)

62-32430-8

- I. Baum, F. A.
- II. Stanyukovich, K. P.
- III. Shekhter, B. I.
- IV. Title: Toward ...
- V. AERDL T-1488 (p)
- VI. RIS E-881
- VII. Army Engineer Research and Development Lab., Fort Belvoir, Va.
- VIII. Research Information Service, New York

62-32430-8

Office of Technical Services

62-32430-9

Baum, F. A., Stanyukovich, K. P., and Shekhter, B. T.

PHYSICS OF AN EXPLOSION: CONTENTS [AND] SUBJECT INDEX. [1962] [8]p. AERDL T-1488 (q). Order from OTS or SLA \$1.10 62-32430-9

Partial trans. of mono. [Fizika Vzryuva, Moscow, 1939, 800p.].

DESCRIPTORS: Physics, *Explosions, Indexes.

(See also 62-32430-8)

(Physics, TT, v. 9, no. 8)

- I. Baum, F. A.
- II. Stanyukovich, K. P.
- III. Shekhter, B. I.
- IV. AFRDL T-1488 (q)
- V. Army Engineer Research and Development Labs., Fort Belvoir, Va.
- VI. Research Information Service, New York

36658

Office of Technical Services

98
Evaluation of the Effectiveness of the
Agitation of Charges with Air Spaces, by F.
A. Baum, 6 pp.
FIZIKALN, per, Nauchnotekhnicheskoye gosoye
otdeleniye, vyzvnyye delo, Vol 54, No 11,
1964, pp. 48-52.
JPRS 34322

F. A. Baum.

UBSR
Sci-Engg
Mar 66

296,613

Introduction to Cosmic Gas Dynamics, by F. A.
Baum, S. A. Kaplan, K. P. Stanyukovich,
649 pp, UNCL.

RUSSIAN, bk, Vvedeniye v Kosmicheskuyu
Gazodinamiku, Moscow, 1958, 424 pp. CIA 65-0149V

ATIC F-75-9951/V 9092435
AEC NP-60-282

Sci-Phys

Jul 59

91,189

Investigation of Precipitation and Ageing in an
Al-Co Alloy, by H. Baum.

SHERMAN, per, Z. Metallkunde, Vol LI, No 7,
1960, pp 409-413.

Ot 7012

2 15, 6/3

Sci- Min/Met

Doc 00

Electrical Conductance of Solid and Liquid
Cerium, Silicon, and Germanium Disilicide
by B. A. Baum, E. V. Gal'ka, S. I. Suchil'nikov,
RUSSIAN, per. Aleksandra Mark SHER, Inventive
Metallography & Ceram. Soc., 1964, No 2,
pp 149-157
SIC

B. A. Baum

Sci - Meta
June 67

327,537

The Raw Material Base of the Indian Aluminum Industry
by Hermann Baum, 3 pp.

GERMAN, Aluminum, Vol 34, No 4, April 1958, p 241
Duseseldorf

FDD/X-3205

NE/A - India
Eco - Industry
Nov 58

The East German Aluminum Industry, by Hermann
Lamm, 3 pp.

GERMAN, per, Aluminium, ^{Vol} No 31, No 144, Mar 1955.

23,506

CIA/TDD/X-1620

EEur - Germany
Economic -

May 55 CTB

The Soviet Aluminum Industry, by Hs Hermann Bauz,
6 pp

Vol XXXI

GERMAN, per, Aluminium, ~~Mag~~, Mar 1955,
pp 145-147.

CIA/PDD/X-1632

23,749

USSR -

Aluminum -

Economic - industry, *Plan, Bauxite, smelters*
May 55 CRS

The Furnas Problem in the Production of Oxygen-
Blown Steel, Especially LD Steel, by K. Baun.
UNCL.

GERMAN, per, Berg und Huettenmannische Monatsch,
No 2, 1959, pp 41-50.

HB 4717

Sci - Min/Mat

Dec 59

103,075

How We are Improving the Economic Knowledge of
Our Communications Workers, by I. S. Baum, 4 pp.

RUSSIAN, per, Vestnik Svyazi, No 5, 1961.

JPRS 9679

Sci

Aug 61

2
167,018

Removal of Dust from Electric Furnace Waste
Gases. Part I - Experience With Wet Dust
Removal by Venturi Scrubbers. Part II -
Experience With a Dry Electrostatic Filter on a
100-ton Electric Arc Furnace, by
K. Baum A. Hahn.
GERMANY, *ger. Stahl und Eisen*, Vol 84, No 23,
Nov 1964, pp 1477-1500.
RIB 6418

K. Baum

EE-Germany
Sci/M&M
May 68

280,699

Autogenous Coking, a New Process for the
Simultaneous Production of Low Cost Product
Coke and Heat Energy, by K. Baum, 10 pp.

GERMAN, per, Brennstoff-Warme-Kraft, Vol VI,
Jul 1954, pp 244-249.

S.L.A. Tr 1839

Sci - Engineering
Apr 57

47,380

Description of Hydrogen by Lead and Lead Alloys
Containing Magnesium and Calcium, by W. Mannchen,
M. Baum, 10 pp.
GERMAN, per, Metall, Vol IX, No 15, 16, 1955,
pp 686-689. 9223340
AEC-AI-Tr-52

Sci-Mat & Met
Aug 64

265,627

CONTRIBUTIONS TO THE EXPLANATION OF THE PHENOMENA CONNECTED
WITH Cathode Sputtering, by Theodor Baum

GERMAN, per, Z Physik, Vol XL, 1927, pp 686-707.

C&A Tr No A-457 9093360
AEC Tr 1695

Scientific - Physics
CPS/DEX

S. P. 3

5532

Study of the Operation of Photoelectric Cells at
High Luminous Fluxes, by V. A. Bum, R. P.
Burovikova, A. S. Okhotin, 10 pp. UNCL

RUSSIAN, per, Izvestiya-Fizicheskii Zhurnal, No 8,
1960, 6 pp.

CIA/FID X-4799

Sci - Phys

Jan 62

180,625

MASS TRANSFER IN TURBULENT FLOW THROUGH THE
ORIFICE OF A CIRCULAR, BY V. A. BAIN, I. DMIT,
10 PP.

RUSSIAN, PER, (Z AK NIK SDR, OTDELENYE TOSH
NAK, ENERGETIKA I AVIATSIKA, NO 3, 1962.

JPRS 18756

CI - FIVE
APR 62

228,428