

**A Critical Comparison of the Most Important
Methods of Applying the Circulation Theory in the
Design of Ships' Propellers on its Practical Use.**

by J. Balhan.

^{Portch}
~~Schip en Werf~~, Nos 9, 10, 11, 1949, Publication
No 76 of the Netherlands Shipb. Res Station.

DSIR/3445/CT

12.961

Scientific - Engineering

~~SECRET~~

The Ship Below the Waterline, by S. Van Ramshorst,
8 pp.

DUTCH, per, Schip en Werf, 7 May 1954, Encl to
NA, Ser H-180, The Hague.

Navy Tr

Scientific - Engineering

CTS 68/May 55

23,672

Controllable Derrick for Sea-going Ships, by A.
Siebenga.

GERMAN, per, Schip En Werf, Vol XXIII, ^{No 2^u} 28 Dec 1956,
pp 692-694.

ASLIB-GB85

Sci

Aug 59

93, 693

On the Corrosion Phenomena and Cathodic
Protection of the Under-Water Part of the Ship's
Skin, by E. Voesenek, J. H. Vlascher

ONWAT, per, Schip en Verf, No 2, pp 31-49.
1957,

C.S.I.R.O.

Sci - Chem

May 60

NA 2543/8, 5, 6-1
116, 201

Investigations in the Cavitation Tunnels of
the Netherlands Ship Model Basin, by C. B.
Van de Voorde,

DUTCI, per, S. en W., Vol XXX, No 11, 1963,
pp 311-321.

*Dept of Navy/DTMB

Sci-Tech, Indust, Civil & Marine Engr
Doc 66

Cathodic Protection of Vessels by Means of
Grillo Refined Zinc Anodes, by Dr Eberins,
7 pp.

GRUNN, per, Schip en Werf, Vol XXVIII, No 14,
7 July 1961.

Dept of Commerce
Maritime Admin
Div of Office Services

Sci - Engr

168, 138

Sep 61

Schlackeneinschlüsse in Eisen und Stahl, 1955, by
Yu. T. Lukatshevitch-Davanova.

Translated from the Russian edition, 1952.

DSIR 669.1
Lending Lib Unit
O. 11342

The Theoretical Aspects of Bonded Deposit, by
W. Gumz, et al.

GERMAN, rpt, Schlackenkunde, Chapt IX.

Dept of Interior
Tr No 17389

Sci

Jan 63

A New Heat Exchanger for the Cold Rooms Used
for the Quick Freezing of Cattle Meat, by
U. Sallerio.-

GERMAN, per, Schlacht- und Viehhof-
Zeitung, Vol LX, no 10, 1960, pp 343-345.

CSIRO/No 5878

Sci-Biol
Aug 63

341, 501

The Load-Bearing Capacity of Circular Road Supports, by E. Mettler.

CHRON, per, Schlage und Eisen, No 10/11, 1951, pp 3-7.

Dept of Int
US Bur of Mines
Eastern Exp Sta
College Park, Md.

Sci - Engr

Apr 59

84,627

High Pressure Water Infusion of Hard Seams..

GERMAN, per. Seitzel und Eisen, Sep 1957. pp 633-641.

NCB A. 1588

Sol

Mar 62

Operational Safety of Diesel Engines Employed
Underground and the Purification of Their Exhaust
Gases, by O. C. Spannagel.

GERMAN, per, Schlagel und Eisen, No 7, 1900,
pp 447-451. _____

Dept of Interior
Tr No 1746

Sci

Jan 63

1
New Developments in the Struggle Against
Silicosis, by P. KAIM Keienburg.

GERMAN, per, Schlagel und HX Eisen, No 2,
1963, pp 89-90.

BISI 3515

Sci-Biol & Med Sci

Jan 64

248,419

Impact Testing of Materials, by W. Spath, 213 pp.

GERMAN, bk, Der Schlagerversuch in der Werkstoffprüfung,

Gordon & Breach

Sci - Engr.

Mar 62

189,666

On the Death of Ernst Mayat, the Inventor of
Electrocorundum, 8 pp.

GERMAN, per, Schleif u Poliertchnik, No 10,
Oct 1937, pp 193-195.

27/1
SIA Tr 57-1950

Sci - Mechanics

Jul 58

67,906

Sizing of Warps of Polyester Fibers with
Cotton, by H. Gorlach, 7 pp.

GERMAN, per, Schlichten von Ketten aus
Polyesterfasern mit Baumwolle.

Dept of Modern Languages
N.C. State Univ at Raleigh

Apr 67

322,004

R-399-N/C

Bericht über Dienstreise am 7.-9. August 1960
zum Pz.Bt. 124

GSMAH, rpt, Der Schlieffen-Kaserne zu Lunenburg,
pp 1-3.

*JPAS for Hq, US Army Ord Ars Det

3. Oct 60

The Construction of an Artificial Joint Because
of Immobility of the Mandibular Joint, by
F. Remarch, 10 pp.

GERMAN, per, Schmidt's Jahrb. Vol CX, 1861,
pp 204-209.

SIA Tr 2330

52,800

Sci - Medicine
Sep 57

Das Schmieren von Maschinen. 1953, by P. K. Gedyk

Translated from the Russian edition, 1950.

DSIR 621-72
Lending Lib Unit
G. 11700

Alcon 305, a New Bearing Material on a Zinc-Aluminum-Copper Basis, by K. Zenssner, 24 pp.

UNION, per, ~~Scientific~~ Technik, Vol 2, No 1, Jan-Mar 1953, pp 11-16.

S.L.A. Tr 1427/1996

Sci - Min/Metals
Feb 57 CTS/dem

43,577

Kugelfischer Grosse Test Maschine, by Kullmann,
Lage-III.

GERMAN, per, Schmierstoff, Vol III, Jan and
Mar 1956, pp 19-27.

~~AMF-1000~~

Sci

Jul 59

92,550

Selection and Operational Behaviour of
Manual Lubrication Equipment, by E. Gulker.
GERMAN, per, Schmieretechnik, No 1, 1964,
pp 24-30.
*BISI 4616

EE-Germany
Sci/M&M
Feb 66

Snow and It's Metamorphism, by H. Bader, 342 pp.

OERMAN, book, Der Schnee und Seine Metamorphose,
Kummerly and Frey Publishing House, Bern, Switzerland,
1939.

OCR Tr

Scientific - Geophysics

12,970

~~12,970~~

Schnellschleifen von Lehren auf Planschleifmaschinen,
1953, by A. Maharov

Translated from the Russian original. 1951.

DSTR 621.925
Lending Lib Unit
C. 12270

Flash Back Arresters of Porous Sintered Metals.
A New Safety Appliances for Explosive Cases,
by F. Fraun, W. Hstop, G. Stempel, 5 pp.
UNCLASSIFIED

CHESMAN, per, Schneiden und Schweißen, Vol VII,
1955, pp 190-200. CIA 903250

ACHIL 965

Sol - Eng
Oct 58

75, 116

Contributions to the Physiology of Prawn Shell
Shedding, by E. Plankemann.

GERMAN, per, Schriften des Naturwissenschaftlichen
Vereins fuer Schleswig-Holstein, Vol XXI, 1935-1936,
pp 195-216.

*U.K.A.E.A.
Chapelcross, Tr 17

Sci - Biol
Sep 62

Shock, Origin, Course and Therapy, 38 pp.
GERMAN, rpt, Der Schock Entstehung, Verlauf und
Therapie, 1 Jan 1962, pp 1-61.
ACSI 1-3644
ID 2204042364

Sci - Phys
Nov 64

• 269,168

On the Problem of Electrolytic Rectification,
by W. C. Van Geel, 26 pp.

GERMAN, per, Schottky W Halbleiterprobleme, Vol I,
1953, pp 299-312.

SLA 57-2049

May 58

64,559

Smokestack Heights. Their Determination
from the Principles of Turbulent Diffusion in the
Atmosphere, by F. Wippermann, W. Klug, 45 pp.

WAVAN, bk, Schornsteinwindstoeben, 1960.

Amer Meteorol Soc
~~At Cambridge Res Center~~

Sci - Geophys
nn 61

153,827

Wippermann, F. and Klug, W.
 MINIMUM SMOKE STACK HEIGHTS: THEIR DETER-
 MINATION FROM THE PRINCIPLES OF TURBULENT
 DIFFUSION IN THE ATMOSPHERE (Schornstein-
 hochkathöhen: Ihre Bestimmung aus Gesetzmäßigkeiten
 der turbulenten Diffusion in der Atmosphäre) tr. by
 Robert Cahill and David Kralus, Mar 61 156p. 12 refs.
 Am Met Soc - T-G 1961, AD-268 026.
 Order from DTIC or from A \$1.60. 62-13590

Trans. from monogr. Schornsteinhochkathöhen: Ihre
 Bestimmung aus Gesetzmäßigkeiten der turbulenten
 Diffusion in der Atmosphäre Darmstadt, July 60.

DESCRIPTORS: Gas flow, *Smoke, Turbulent flow,
 *Gas diffusion, Wind, Atmosphere, Distribution,
 Buildings, Design, Handbooks, Air, Impurities,
 *Wastes (Industrial)

(Earth Sciences--Atmosphere, ET, v. 9, no. 13)

62-13590

- I. Wippermann, F.
- II. Klug, W.
- III. Am Met Soc - T-G 1961
- IV. AD-268 026
- V. American Meteorological
Society, Boston, Mass.
- VI. Contract AF 19(62) 1111

10-11-62

Office of Technical Services

Under What Circumstances are Wild Ducks and
Geese Infected with Ticks and What is the
Epidemiological Importance of Such Infes-
tation, by F. Balat,
GERMAN, per, Schriften Landesst Natursch
LandschPflege Nordrhein Westfalen, No 1,
1964, pp 115-120.
HEN NIH 4-34-67
On Loan

Sci-B&M
May 67

326,922

Corrosion-Resistant Fasteners, by C. O. Bauer.

GERMAN, per, Schrauben, Muttern, Formteile,
Part IV (Supplement to Draht-Welt, Vol XLVIII,
Oct 1962, pp 123-135.

BIBI 3150

Sci - M/M
Jul 63

235,722

Status of Coal Research With Particular Reference
to Distillation by Low Temperatures, by F.
Fischer, 14 pp.

Verhandl. der, Schriften der Brennstofftechnischen
Gesellschaft, No 1, 1919.

Dept of Interior
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa. Tr 84

Sci - Engr

May 59

107
87,607

Natural and Artificial Radio Nuclides in
the Atmosphere and the Human Organism,
by E. Oberhausen, H. Muth.
GERMAN, per, Schriften der Bundesanstalt
f. Wasserbau, No XXV, pp 123-124, 1963
REC SC-T-68-740

Oct 65
Sci Phys

290,043

Scientific Foundations for High Altitude Fitness
Tests by Means of Respiration of Defined Gas Mix-
tures, by T. Benninger, 43 pp.

GERMANY, par, Schriften Deut Ak Luftfahrtforsch,
No 75, 1940, p 34.

SIA 3209

Jul 58

70,028

High Altitude Flight Accidents During the War,
by S. Ruff, 8 pp.

GERMAN, per, Schriften deut Akad Luftfahrtforsch,
No 84, 1940.

SIA Tr 3197

Sci

Aug 58

68,631

The Effect of High Altitude on the Human Organism
After Disruption of oxygen Respiration at High
Altitudes, by V. M. Strughold, 15 pp.

GERMAN, per, Schriften Deut Akad Luftfahrt-
forsch, Vol LXXXIV, 1940.

SLA 3207

Jul 58

69,900

Chances for Escape in High Altitude Flight, by
V. S. Ruff, 25 pp.

GERMAN, per, Schriften deut Almd Luftfahrtforsch,
No 97, 1942, pp 18-.

SLA Tr 3202

Sci

Aug 58

68,630

Measurement of the Combustion Velocity of a Flowing
Gas-Air Mixture, by W. Unger

x

GERMAN, Zeitschrift für Flugwissenschaften,
Vol. XIV, 1941, pp 127-151.

Nat'l Res Council Canada TR 32

Scientific - Aeronautics
Jul CTS/DEX Price 0.25

16,110

Exact Calculation of Laminar Boundary Layer in
Longitudinal Flow Over a Flat Plate With Homogeneous
Section, by Rudolf Iglicch

GERMAN, REX. Schriften der Deutschen Akademie der
Luftfahrtforschung, Vol VIII, No 1, 1944.

g.L.A. Tr Pool

Scientific - Aeronautics
CES/DEX

14,216

The So-Called Trench Nephritis; Clinical Study
on the Symptomatology, Pathogenesis and Etiology
of an Acute Diffuse Vascular Ailment of Infectious
Origin, by Otto Heinrich Arnold, M. D., 17 pp.

GERMAN, per, Schriftenreihe zur Deutschen
Medizinischen Wochenschrift, Vol VIII, Leipzig,
1944, pp 126-136.

WTH 10-11

Sci - Med

99,429

Oct 59

(FDD 21638)

South-Yunnan, Part of the Southeast Asia Area, by
Hermann Von Wissmann, 47 pp.

GERMAN, monograph, Schriften zur Geopolitik,
No 22, Heidelberg, 1943, pp 4-90.

CIA/FDD/U-6225

FZ - China

Geographic

Jul 54 CMB 17.317

Defense Against Chemical Agents, by Karlheinz Lohs,
3 pp.

GERMAN, pamphlet, Schriftenreihe Luftschutz, No 4,
1960, pp 29-33.

ACSI I-1673-B
ID 2203208

WEur - Germany
M11
Jan 63

Means and Methods of Protection Against weapons
of Mass Destruction, Part 5, Personnel Protect-
ion, by Gerhard Kaper,

GRACIA, per, Schriftenreihe Luftschutz, No 19,
pp 42-55.

ACSI J-1775

LD 2204007507

Wur-German

.11

apr 67

321,479

Contributions to the Physiology of Prawn Shell
Shedding, by H. Plandemann.

GERMAN, per, Schriften des Naturwissenschaftlichen
vereins fuer Schleswig-Holstein, No 21, 1935-36,
pp ~~IX~~ 195-216.

*UKAEA

Sci - ~~EXX~~

Jun 63

Investigation Concerning the Connection Between
the Properties of the Wood and the Growth
of the Non-Indigenous Douglas Pine.

GERMAN, par, Schr Reihe Forst Fakultat der
Univ Gottingen, Vol XX, 1958, pp 93-96.

DSIR 33655/OT

Sci - Biol
Mar 59

83,303

Investigations on Aerosol Filtration, by G.
Stamps, F. Bangert, 12 pp.

GERMAN, pamphlet, Schriftenreihe über Zivilen
Luftschutz, No 11.

12A 9673948

Sci

Mar 62

188,048

English Title Unknown, by W. F. Cammerer,
GERMAN, rpt, Das Schrifttum des Wärme- und
Kalteschutzes, Forschungsbereich für Wärmeschutz,
No 2, 1960, 22 pp.
*CFSTI TT 67-59045

Jun 67

ZEISEL, H.G. Developing a method for determining
grindability.
SchrReihe ZemInd. 14:31-72 (1953) (CRL/D. 800)

SLA TR 875/1955

The Effect of Surface Active Substances on the
Crushing of Solids, by E. Ziegler.

GERMAN, per, Schriftenreihe der Zementindustrie,
HEFT No 19, 1956, pp 1-75.

CSIRO 3812

Ref - Chem
Jun 62

203,329

Wlachars, G(er)d).
EFFECT OF TEMPERATURE VARIATION ON THE
STRENGTH OF CEMENT STONE AND MORTAR.
[1962?] [101]p. 35 refs.
Order from S.L.A \$9.10

63-10193

Trans. of Schriftenreihe der Zementindustrie (West
Germany) 1961, no. 28, 117p.

DESCRIPTORS: *Cement, *Concrete, Temperature,
Tensile properties, Compressive properties, Sand,
Gravel, Structures, Mathematical analysis.

(Engineering--Civil, TT, v. 10, no. 3)

63-10193

I. Wlachars, G.

Office of Technical Services

(NY-1209)

Protection Against Weapons of Mass Destruction
(Germany), 84 pp. UNCLASSIFIED

GERMAN, manual, Schutz Gegen Massenvernichtungswaffen
Berlin, 1956, pp 1-144.

US JPRS/NY-454

EEur - Germany
Mil - Atomic, chemical, Bacteriological warfare
Sci - Chemistry
Jul 58

66,607

Protection Against Chemical Warfare
Agents, by Karlheinz Lohs, G. FP.
OSWALD, bk, Der Schutz vor Chemischen
Kriegsfstoffen, 1960. 9896387
FD-11-64-92

Sci ' Chem
Apr 65

277,851

The Oxygen Lance for the ^{Bur}ining of Holes in
Concrete, Minerals and Steel, by R. Wolf, ^E/Zorn,

GERMAN, per, Schweissen u Schneiden, Vol II, No 6,
Dec 1950.

SLA Tr 2156

Sci - Min/Met

53,120

Sep 57

Neuenkirchen, H. von.
OLD AND MODERN PRESSURE WELDING METHODS.
[1962] 3p. (figs. refs. omitted).
Order from SLA \$1.10

62-16998

Trans. of Schweißen (und) Schweißen (West Germany)
1952, v. 4, no. 10, p. 360-361.

DESCRIPTORS: *Welding, *Flash welds, Welded joints,
*Electric welding, Pressure, Temperature.

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

62-16998

1. Title: Recrystallization
welding

I. Neuenkirchen, H. von

Office of Technical Services

Kunz, H. and Peletier, L. A.
NEW COMPARATIVE CUTTING TESTS WITH
PROPANE AND ACETYLENE [AND] CRITICISM OF
KUNZ'S PAPER WITH REPLY TO PELETIER'S
CRITICISM. (1962) 10p. 3 refs.
Order from SLA \$1.10

62-20167

Trans. of Schweissen und Schneiden (West Germany)
1962, v. 4, no. 12, p. 442-444.

DESCRIPTORS: Tests, Torches, *Propane,
*Acetylene, Consumption, Oxygen, *Cutting torches.

(Machinery--Manufacturing. TT, v. 9, no. 12)

62-20167

I. Kunz, H.
II. Peletier, L. A.
III. Title: Criticism...
IV. Title: Reply...

Office of Technical Services

Oxy-Propane Flame Cutting, by O. Oidenburg, 14 pp.

GERMAN, per, Schweissen u Schneiden, Vol IX, VI,
1954, pp 1247-1267.

SLA T: 57-2568

Sci

Aug 58

68, 6.20

Becker, Kurt
INVESTIGATION OF SOME PHENOMENA IN THE
METALLIZING PROCESS (Untersuchungen über die
Vorgänge beim Flammspritzen). Doctoral Thesis,
Polytechnic Inst. of Hannover, 1953. [1962] [47]p.
57 refs.

Order from SLA \$4.60

62-18795

Trans. of reprint of Schweißen und Schneiden (West
Germany) 1954, v. 6, no. 4, p. 127-142.

DESCRIPTORS: *Metal coatings, *Atomization,
Microphotography, Experimental data, Test equipment.

(Engineering--Mechanical, TT, v. 9, no. 11)

62-18795

I. Becker, K.
II. Technische Hochschule,
Hannover (West Germany)

Office of Technical Services

The Welding Behavior of Corrosion Resisting
Chromium-Nickel Steels, by F. Rapp.

GERMAN, per, Schweißen u. Schneiden, Vol VI, 1954,
pp 128-133.

ASLID-0870

Sci

Aug 59

30-10-11-1000 + Steel/
Two (one 1000 1000 1000)
95, 32 8

Is Welding With Heavy-Duty Electrodes
Economical?, by H. Neumann.

GERMAN, per, Schweissen und Schneiden,
Vol VI, 1954, pp 209-219.

CSIRO

{ EUR - Germany
Econ
Mar 62

189,517

The Effects of Oxygen Purity on Speed and Gas
Consumption in Oxygen Cutting, by I. F. Moses.
GERMAN, per, ~~Schweizerische Eidgenossenschaft~~, Vol 17, Feb
1955, pp 58-59.
RIMI 5387

Sci/Mat
Feb 68

349,513

Flaskback Arrestors of Porous Sintered Metals -
A New Safety Appliance for Explosive Gases,
by F. Frehn, W. Hotop, G. Stempel.

GERMAN, per, Schweißen u Schneiden, Vol VII,
No 5, 1955, pp 198-200.

T.I.L. T.4535

35,710

Sci - Minerals/Metals, Engineering, *fuel*

Jun 1956

✓
The Application of Welding in Modern Steel
Building, Bridge Construction and Rail
Joining, by O. Steinhardt.

GERMAN, per, Schweißen u. Schneiden, Vol VII,
1955, pp 236-241.

INSDOC-T2059

8c1

Aug 58

12,396

Principles of Ox-Acetylene Stress-Relieving and
Requirements for its Execution, by H. G. Kunz.
GUSTAF, per, Schweissen Schneiden, No 7, 1955,
pp 1-8.
KLSI 7298

sci/ materials
sept 69

390,931

Repair Welding of Cast Iron Ingot Moulds, by A.
Buchholz. UNSOL

GERMAN, per, Schweiessen und Schneiden, Vol VIII,
No 7, 1955, pp 335-341.

British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

98, 115

The Bend Test, by W. Lohrig.

GERMAN, par, Schweißen u Schneiden, Vol VII,
No 9, Sep 1955, pp 387-391.

ASLIB-GB39

8c1

Aug 59

95, 325

Gas-Shielding Arc Welding of Carbon Steels, by W.
Hammitzsch, F. Hermann.

GERMAN, (er, Schweißen u^S Schneiden, Vol VIII No 3,
Mar 1956, pp 73-79.

ASLIB-0870

Sci

Jul 59

92, 742

On Hot Cracking of Austenitic Chromium-Nickel
Welds, by W. Hirsch, H. W. Fritze. UNCL

GERMAN, per, Schweißen u Schneiden, No 3, 1956,
pp 81-85.

BIBI 1633

(L4)

121 - :in/Net

Mar 60

111, 156

Testko, K.
CONTRIBUTION TO THE CLARIFICATION OF THE
PROCESS OF FLAME CUTTING. [1962] [10]p. 1 ref.
Order from SLA \$1.10 62-20128

Trans. of Schweissen u[nd] Schneiden (West Germany)
1956, v. 8, no. 4, p. 122-129.

DESCRIPTORS: *Cutting tools, *Torches, Iron,
Steel.

(Machinery, Fabrications and Accessory equipment,
IT, v. 9, no. 9)

62-20128

I. Testko, K.

Office of Technical Services

Mantel, W.
SIGNIFICANCE OF PHYSICAL PHENOMENA IN
WELDING ARC. [1962] [20p. 6 refs.
Order from SLA \$11.60

62-20099

Trans. of Schweißen u[nd] Schneiden (West Germany)
1956, v. 9, no. 3, p. 280-287.

DESCRIPTORS: *Arc welding, *Electrodes, Thermionic
emission, Gas discharges, Polarization, Tungsten,
Argon, Helium, Steel.

An attempt has been made to apply the known funda-
mental properties of the physical arc to the welding arc.
In accordance with the heating of the anode, three
different types of arcs are formed which in practical
welding occur as three variants, depending upon polarity
and type of current used. A comparison is made between
the known theoretical relationships of these variations.
(Machinery - Manufacturing, ET, v. 9, no. 12) (over)

62-20099

1. Mantel, W.

Office of Technical Services

Experience in Non-Destructive Testing of Welded Tubes,
by H.-D. Weise.

GERMAN, Ver. Schweißen Und Schneiden, Vol VIII, No 10,
1956, pp 355-363.

Brutcher Tr 4073
\$9.80

Sci - Engr

Apr 58

61,430

Material Testing at Low Temperatures, by
H. Hildebrandt. UNCLASSIFIED

OSTMAN, per, Schneidese u Schneideu, Vol II, No 3,
1977, pp 117-119.

DOIR/11362/UT

Sci - Engr
Sep 58

75, 838

Fish Eyes in Steel Welds, by W. Hummaltzsch.

GERMAN, per, ~~Schweissen und Schneiden~~.
Vol IX, No 8, 1957, pp 386-390.

HU 5160

Sci-W/M

Dec 63

243,951

Problems of Welding High-Tensile Structural
Steels, by H. J. Wiester.

GERMAN, per, Schweißen und Schneiden, No 10,
1957, pp 465-468.

BISI 1901

Sci - Engr

Jan 61

136,079

Weldable Al-Mg Alloys, by P. Brenner, 27 pp.

UNSWAN, per, Schweißen und Schneiden, 1957,
Vol II, No 11, pp 483-492.

SLA 79-10467

Sci - Min/Met
QTS I, 12
Jul 59

92,334

Problems of Measurement Technique in Resistance
Welding, by O. Gengalbach.

GERMAN, per, Schweißen und Schneiden, Vol X, No 1,
1958, pp 1-12.

CSIRO

118,575

Sci - Min/Metals

Jun 60

The Inert Gas Tungsten Arc Welding of Thin
Sheet Steel for Transformers and Dynamos, by
J. Ruge, W. Rauchfuss.

GERMAN, per, Schweißen Schneiden, Vol X,
Feb 1958, pp 55-58.

BISI 2213

Sci - Eng

Jun 61

156,886

Practice for Welding Circular Seams on Large
Diameter Pipes, by L. Henze, H. Scheruhn. USCL

OKUDAN, per, Schweißen und Schnitten, May 1958,
pp 162-166.

British Iron and Steel Ind 1130
(Lb 5 0)

Sci - Engr
Apr 21 59

84,708

Ultrasonic Testing Of Welds by W.H. Papke.

GERMAN, per, Schweissen Und Schneiden, Vol X, No 4,
1958,

CSIRO

Oct. 62

Ultrasonic Inspection of Welds, by W. H. Papke.

GERMAN, per, Schweißen und Schneiden, Vol X,
No 4, 1958, pp 131-135.

HB 4237

Sci - Engr

Apr 61

147,481

Approximating Equilibrium Conditions in the
Molten Pools of Metal and Slag in Arc Welding,
by W. M. Conn. UNCL

GERMAN, per, Schweißen u. Schneiden, No 5,
1958, pp 174-181.

REF 1468

(15 Oct. 60.)

114,292

Sci. Min/Met; Eng
Apr 60

Position, Time and Cause of Spatter During
Electric-Arc Welding, by Friedrich
Erdmann-Jesnitzer, Gottfried Pysz, 29 pp.

GERMAN, per. Schweißen und Schneiden, Vol. V,
No. 8, 1950, pp. 293-311.

SLA 60-10039

Sci

OTN, Vol. III, No. 6

126, 921

Sep 60

Investigations on the Electro Slag Welding
Process, by R. Muller, 8 pp.

GERMAN, per, Schweissen und Schneiden, Vol X,
No 9, 1958, pp 2-10.

CSIRO

Sci - Engr
Nov 61

174,403

BECKER, H. Build-up welding of wheel flanges of rail vehicles with the aid of shielded arc welding.
Schweiss. Schneid. 10(10):442-4 (1958) (CRL/T.4211x)

**Build-Up Welding of Wheel Flanges of Rail Vehicles
with the Aid of Shielded Arc Welding,**

by H. Becker,

**GERMAN, per. Schweißtechnik, Vol 10, No 11,
1978, pp 442-444,
BIBI 7866**

**Sci/Mat
Mar 70**

404,074

Studies of Electro-Slag Welding Process, by L.
Puehler.

GERMAN, per, Schweissen und Schneiden, Vol X,
No 9, 1958, pp 359-367.

HD 4761

Sci - Engr

Jan 60

106,204

Glinther, H.
AUTOMATIC WELDING PROCESS WITH MAGNETI-
CALLY CONTROLLED ARC FOR THE WELDING OF
PIPE LINES. [1962] [23] p. 12 refs.
Order from SLA \$2.60

62-20091

Trans. of Schweissen u[nd] Schneiden (West Germany)
1962, v. 10, no. 10, p. 383-394.

DESCRIPTORS: Automatic. *Arc welding. *Pipes. In-
dustrial equipment. Electromagnets

The present report covers an automatic pipe cracker
butt welding process which makes it possible to produce
perfect root and finishing beads in any welding position.
Its mode of operation is based on the control of the arc
column by auxiliary magnetic fields whose theory is ex-
plained. A description is given of the equipment which
has been developed and field-tested with pipe diameters
(Machinery - Manufacturing, TT, v. 9, no. 10) (over)

62-20091

1. Title: Butt welding
1. Glinther, H.

Office of Technical Services

Limitations in the Evaluation of Gamma
Radiographs Used for Examining Circumferential
Pipe Welds in Accordance With DIN 54 111, by W. H.

(Papke, W. H. UNCL

GERMAN, per, Schweißen u Schneiden, No 11, 1958,
pp 439-441.

British Iron and
Steel Ind 1391
(12 15s.0d.)

96, 836

Sci - Phys
Sep 59

Optimum Intensification and Fault Definition
Through the Use of Suitable Lead Screens for
Gamma Radiographs With Ir 192 and Cs 137, by
W. E. Papke.

GERMAN, per, Schweissen und Schneiden, Vol X,
No 12, 1958, pp 463-466.

*FIL T-5126

Sci - Phys

Jul 60