

The Use of a High Frequency Film Camera  
to Study Plastic Deformation of Metals  
at Explosive Burdens, by A. Schweighofer,  
6 pp.

CZECH, per, Jenna Mechanika a Optika,  
No 3, 1965, pp 75-76. P100059066  
FTD-RT-66-43

Sci - Materials  
Nov 66

The Present State of Series Production of Basic  
Vacuum-Technique Components in Czechoslovakia,  
by J. Burel, 13 pp.

CZECH, per, Jenna Mechanika a Optika, No 3,  
1965, pp 89-92.

P1003:5767

FTD-HT-66-562

Sci-Mechanical, Industrial, Civil  
and Marine Engineering

Dec 67

344,454

Role of Optics in Czechoslovak Precision  
Mechanics Industry, by J. Hrnkovačy, 7 pp.  
GOVERNMENT USE ONLY  
CZSOU, per, Jenna Mechanika a Optika, Vol  
X, No 5, May 1965, pp. 137-139.  
JPRS GUC 778

EE-Czech  
Econ  
Jul 65

282,972

Measurements of Refraction Index of Thin  
Layer by Method Based on Brewster's Angle  
of Incidence, by K. Kuznikova, 12 pp.  
CZECH, per, Jenna Mechanika a Optika,  
No 6, June 1965, pp 173-176.

ACSI I-9418 a  
ID 2204017866

Sci-Elect  
Apr 66

299,622

Production of Gelatine Light Filters Used  
in Photometry, by V. Jakubek, 20 pp.  
CZECH, per. Jenna Mechanika a Optika,  
No 6, 1965, pp 181-185.  
ACSI I-9418b  
ID 2204017866

Sci-Elect  
Apr 66

299,623

Electro-Optical Range Finder EOS, by  
Ondakar Partl. 6 pp.  
CZECH, per, Jenna Mechanika a Optika, no 6,  
1965, pp 193-195.

ACSI I-9418 c  
ID 2204017866

Sci-Elect  
Apr 66

299,624

Quartz-iodine Lamps for Photography and  
Cinematography,

CZECHOSLOVAKIA, per, Jedna Mechanika a  
Optika, No 6, 1965.

ACSI I-9418-D

ID 2204017866

Sci-Engr  
MAR 66

On the Problems of Vacuum Technology in the  
Preparation of Thin Films, by W. Kape, 17 pp.  
CZBCH, per, Jenna Mechanika a Optika, No 10,  
1965, pp 305-310. P160221463-V  
FTD-HT-67-209

Sci/Phys  
Sept 68

366,621



Expansion of Optical Waves in the  
Atmosphere, by M. Miler, 20 pp.  
CZECH, per, Jenna Mechanika a Optika,  
No 10, 1965, pp 313-317. P100090967  
FTD-HT-66-341

Sci - Atmospheric Sci  
Apr 67

322,059

On the Problems of Vacuum Engineering in the  
Preparation of Thin Films, by W. Ispe, 24 pp.  
CZECH, per, Jarna Mechanika a Optika, No 11,  
1965, pp 341-348.  
AIR/FTD/FT-67-211.

Sci-Phys  
Nov 68

353,675

*Psych*  
Certain Physical Problems of Physiological  
Optics, by O. Novakova,  
RUSSIAN, per, Jenna Mechanika a Optika, No  
12, 1965, pp 369-372. PI00126566  
FTD-HT-66-283

Sci-Phys  
Feb 67

318,937

A Method for the Fast Measurement of the  
Permeability of Glass Fibers, by K. Cabak, 6 pp.  
CZECH, per, Jenna Mechanika a Optika, No 1,  
1966, pp 3-4. P100073668-V  
FTD-HT-23-694-67

Sci/Phys  
May 68

356.774

Experiences in Using Sliding Air Bearings, by  
G. Stuller. 5 pp.  
CSZH, per, Jarna Mchanika a Optika, No 2, 1966,  
pp 47-48.  
AIR/FTD/HI-23-1256-67

Sci/Mechan Engr  
Feb 69

375,474

Infrared and Ultraviolet Birefringent Chain  
Filters, by I. Solc. 3 pp.  
CZBQI, per, Jeana Mechanika a Optika, No 4,  
1966, pp 112.  
ACSI J-0593  
ID 2204043366

Sci-Phys  
Oct 66

309,815

Thin Layers in Optics, by Zd. Knittl,  
8 pp.  
CZECH, per, Jemna Mechanika A Optika,  
No 11, 1966, pp 218-220.  
P100218768-V  
FTD-HT-23-1032-67

Sci/Physics  
Sep 68

364,306

Evacuation of Electron Emitters Using Titanium  
Getter Pumps, by P. Hix, ~~SA~~.  
CERN, ~~part~~, ~~Atomic Mechanics & Optics~~, 1966/8  
pp 243-244. ~~PH1137457~~  
AEC Spec Trans-70

Sol/Mat  
Nov 67

342,400



Discharge Lamps of Czechoslovak Industrial Glass  
for Lasers, by G. Sklenar, 19 pp.

GOVERNMENT USE ONLY

CZECH, per, Jemna Mechanika a Optika, No. 1,

Jan 1967, pp. 22-27.

JPRS GUO 2326

EE-Czech

Econ

Apr 67

321,102

Radiation Measurements by Means of a Radiometer,  
by K. Schovanec, 11 pp.  
CZHCII, per. Jomna Moch a Optika, No 4, 1967,  
pp 109-113.  
RTB/FTD/HT-23-599-68

Sci/Nucl  
Nov 69

393,546

Generation of Giant Pulses with Ruby  
Laser by the Rotating Mirror Method at  
Lower Speeds, by V. Novacek, J. Matousek.  
GOVERNMENT USE ONLY  
CZECH, per, Jemna Mechanika a Optika,  
No 5, 1967.  
ARN/PSTC/HT-23-702-68

Sci-Phys  
June 69

384,099

Radiometer Radiation Measurement,  
by K. Schovanec  
Czechoslovakia, Jahra mehani a a optika, No 5,  
1967, pp 109-113.  
\*FTD-HT-23-599-68C

Sci-Nuclear Sci  
Aug 68

Medical Electronics at Threshold of Cybernetics  
Age, by O. Pistora, 17 pp.

GOVERNMENT USE ONLY

CZECH, per, Jenna Mechanika a Optika, No 8, Aug  
1967, pp 250-253.

JPRS GUD 2597

Sci-B and M  
Nov 67

343,769

Laser Beam and the Eyes, by M. Liska, 10 pp.  
CZECH, per, Jenna Mechanika a Optika, Vol II,  
Nov 1967, pp 341-344.  
Dept of Navy/NMS 1252

Sci-B and M  
Apr 68

352.177

The Effect of Atmospheric Scattering on  
Optical Beam Intensity at Low Visibility,  
by M. Miller, M. Chomat.  
CZECH, per, Jemna Mechanika a Optika,  
No 12, 1967, pp 382-384.  
AIR/FTD/HT-23-598-68

Sci-Atmos Sci  
Apr 69

380,515

Ruby Laser with Controlled Quality of Optical  
Resonator, by J. Vierzig, J. Smucr, 10 pp.  
GOVERNMENT USE ONLY  
CZECH, per, Jonna Mechanika A Optika, Vol 13, No 6,  
1968, pp 176-178.  
ARM/FSTC/HT-23-772-68

Sci/Phys  
Oct69

394,063



Ruby Laser TKG 102, by F. Bohlicek, et al, 13 pp.  
GOVERNMENT USE ONLY  
CZECH, per, Jenna Mechanika a Optika, Vol 13, No 7,  
1968,  
ARM/FBIC/HT-23-588-68

Sci/Phys  
June 69

383,333

A Calorimeter for Measuring Laser Output Energy,  
by D. Vavrouci. 14 pp.  
CZECH, per, Jenna Mechanika a Optika, 1968,  
No 9, pp 287-290.  
AIR/TID/IT-23-524-69

sci/physics  
feb 70

402,781

New Development in Fiber Optics by A. Jacobsen,  
7 pp,  
CZECH, per, Jenna Mechanika A Optika No 11,  
1968, pp 348-349  
AIR/FTD/HT-23-520-69

sci/materials  
apr 70

406,560

Calibration of Infrared Radiation Detectors, by  
J. Obadalek. 12 pp.  
CZECH, per, Jenna Mechanika a Optika, No 11,  
1968, pp 358-361.  
ACSI-J-7727  
FSTC-HT-23-157-70

AIR/FTD/HT-23-332-69

Sci-Nucl Sci  
Jan 70

400,263

Electromotive Dental Drill Handpiece, by  
K. Kumbalek, 9 pp.  
CZECH, per. Jemna Mechanika a Optika, Vol 15,  
No 4, 1970, pp 97-100.  
ACSI-R-1296

Jan 72

Device for Spatial Filtration of Undesirable Images,  
by M. Miler, 11 pp.  
GOVERNMENT USE ONLY  
CZECH, per, Jenna Mechanika a Optika, Vol 15, No 5,  
1970, pp 137-140.  
ARM/FSTC/HT-23-1534-71

June 72

Laser Distance Measurement of Artificial Earth  
Satellites at Ondrejov Observatory,  
by T. Daricek, 10 pp.  
CZECH, per. Jamna Mechanika a Optika, No 7,  
1971, pp 186-189.  
ACSI-K-1627  
FSTC-HT-23-1081-72

May 72

*W. Kicaulehn*

*The engineering of the 11 glass makers. 55 pp.  
GERMAN, Dr. Jenaer Glaswerk Schott & Genossen, Mainz  
1971, pp 1-55  
AIR/PWD-NO-83-1811-71*

*DISTRIBUTION LIMITED TO U.S. GOV'T AGENCIES ONLY  
COPYRIGHT MATERIAL*

*june 72*



Immunohistologic Detection of the Foot-and-  
Mouth Disease Virus, by Dieter Urbaneck, 16 pp.  
GOVERNMENT USE ONLY  
GERMAN, rpt, Jenaer Rundschau, 1969, pp 222-227.  
ARN/FSTC/HT-23-623-70

Sci/B&M  
Feb 71

Scandia/Handers, 8 pp.  
DANISH, per, Jernbane Tidende, No 2, 15 Jan 1968,  
pp 15-17.  
DIA LN 617-68

Sci/Misc  
June 68

358,404

The Importance of the Railroads in Future  
Transportation, 9 pp.  
DANISH, per, Jernbane Tidende, No 6, Mar 1968,  
pp 72-75.  
DIA LN 854-68

W Bur  
Econ  
Jul 68

361,292

Rationalization of the Danish State Railways.  
DANISH, per, Jernbane Tidende, Copenhagen, No 17.  
15 Sept 1968, pp 204-205.  
DIA LN 367-69

WE  
Econ  
Jan 69

372,665

Safety.  
DANISH, per, Jernbane Tidende, Copenhagen, No 17,  
15 Sept 1968, pp 232-233.  
DLA LN 367-69

Sci-Misc  
Jan 69

372,666

When the Accident Happened.  
DANISH, per. Jernbane Tidende, Copenhagen, No 17,  
15 Sept 1968, pp 238-239.  
DIA LN 367-69

Sci-Misc  
Jan 69

372,667

Preparatory Considerations and Experiments on  
the Automation of the Basic Oxygen LD Process,  
by W. Schleicher, et al.  
SWEDISH, per, Jernkontorets Annaler, Vol 149,  
No 1, 1965, pp 1-11.  
HB 6646

NE-Sweden  
Sci/N&M  
Apr 66

298,881

The Influence of Different Factors on the  
Coefficient of Heat Transfer in Steel Heating  
Furnaces, by G. Wallquist.

SWEDISH, per, Jernkon. Ann., Vol 149, No 5,  
1965, pp 221-256.

\*BISI 6224

Sci/Mat  
Mar 68



Accelerated Cooling of Hot-Rolled Products, by  
H. Jensfelt.  
SWEDISH, per. Jernkont. Ann. Vol 149, No 9.  
1965, pp 505-603.  
BISI 5703

Sci-Int  
Oct 67

~~340,856~~

Addition of Aluminum to Steel for  
Deoxidation, by H. Widmark.  
SWEDISH, per, Jernkontorets Annaler,  
Vol 150, No 1, 1966, pp 28-38.  
HB 6870-I

Sci-Materials  
Oct 66

313,155

Addition of Aluminum to Steel for Deoxidation.  
Part II, by H. Midmark.  
SWEDISH, per, Jernkontorots Annaler, Vol 150,  
No 1, 1966, pp 38-50.  
IB 6870-II

Sci/Materials  
Dec 66

314,344

Calibration and Evaluation in X-Ray Fluorescence Analysis of Alloyed Steels, by  
N. Louannas, W. Fugmann.  
SWEDISH, per, Jernkont. Ann., Vol 150, No 2,  
1966, pp 99-110.  
BISI 5069

314,522

Sci - Materials  
Jan 67

The Corrosion-Fatigue Strength of Corrosion-Resistant Steel Exposed to Sulphurous Acid, by H. Spain, H. Speckhardt. SWEDISH, par, Jernkont. Ann., Vol 150, No 3, 1966, pp 174-202. BISI 5205

319,826

Sci - Materials  
Feb 67

Slag Inclusions in Steel, by R. Kieseling, N. Langa.  
SWEDISH, per, Jernkont. Ann., Vol 150, No 3, 1966,  
pp 203-211.  
BIBI 5027

313, 312

Sci - Materials  
Nov 66

Checking the Progress of the Carbon Elimination From the Hot Metal by Oxygen Blowing. Continuous Determination of the Carbon Combustion Ratio in the Baldo Process, by J. A. Smedstram.

SWEDISH, per, Jernkont Ann., Vol 150, No 6, 1966, pp 335-357.  
#WB 6989

Sci - Mechanical, Industrial,  
Civil, and Marine Engineering  
Dec 66

Process Control of Sheet and Wide-Strip Mills,  
by K. Gedin.  
SWEDISH, per, Jernkon Ann., Vol 150, No 8,  
pp 537-572.  
\*BIBI 5286

Sci - Mechanical, Industrial,  
Civil, and Marine Engineering  
Jan 67



The Possibilities of Vacuum Treatment, by S.  
Kestorp.  
SWEDEN, per, Journt. Ann., Vol 150, No 9,  
1966, pp 585-605.  
REF 5399

Sci-Materials  
Oct 67

343,126

Process Control in Mineral Concentrates,  
by P. H. Fahlstrom.  
SWEDISH, per, Jernkon Ann, Vol150, No 10,  
1966, pp 701-717.  
BISI 5938

NLL R4. 9032.06(5938)

Sci-Materials  
Mar 69

376,286

Diffusion of Carbon in the Different Phases  
of Carbon Steel, by M. Hillert, R. D. Sharp.  
SWEDISH, per, Jernkont. Ann. Vol KXXVII,  
No 11, pp 785-790.  
\*BISI 4876

Sci-M&M  
May 66

300,953

Scale Formation on Steel at Temperatures of  
Interest in Hot Working, by E. Thelander and  
S. Elongren.

SWEDEN, par, Jernkon. Ann., Vol 151, Jan 1967,  
pp 16-61.

PRIM 5930

Sol-Materials  
Oct 67

X-Ray Method for Residual-Stress Measurements,  
by G. Alston, P. Spiegelberg.  
SWEDISH, per, Jernkon. Ann., Vol 151, No 1,  
1967, pp 62-83.

BISI 6007

CRL/T. 3924 x

Sci-Mat  
May 69

382,412

General X-Ray Fluorescence Method for the Determination of Iron in Minerals, by T. Reistad.  
SWEDISH, per, Jernkon App. Vol 151, No 3, 1967,  
pp 216-226.

BISI 5896

NLL Ref: 9022.06(5896)

Sci-Mat  
Apr 68

352,186

The Swedish Charcoal Furnaces, by I. Bohm. SWEDISH,  
per, Jornkon Ann, Vol 151, No 6/7, 1967,  
pp 445-458.  
BISI 7250

Sci/Materials  
Jun 69

383,081

Selenium-Containing Inclusions in Steel,  
by R. Kiessling.  
SWEDISH, per, Jernkontorets Annaler,  
Vol 151, No 8, 1967, pp 542-552.  
HB 7491

Sci/Materials  
Jan 69

353,304



KALLING, B. Desulphurisation of pig iron with special regard to Swedish conditions.  
Jernkont. Annlr 151(9):584-602 (1967) (CRL/D. 986)

Solution of SiO<sub>2</sub> In Plain Carbon Steels, by  
H. Sandberg.  
SWEDISH, per, Jernkon. Ann., Vol 151, No 9,  
1967, pp 612-617.  
BISI 6721

*ALL BY 9022.06(6721)*

Sci-Mat  
Mar 69

377,309

Studies of the Strength in a Reducing Atmosphere  
of Cold-Bound and Sintered Iron Ore Agglomerates, by  
G. Thaning. SWEDISH, per, Jernkon Ann, Vol 151,  
No 10-11, 1967, pp 705-748.  
BISI 6785

Sci/Materials  
Jun 69

583, 574

The Organization and Economy of Research, by  
K. N. Jansenberg.  
SWEDISH, per, Jamkon. Ann., Vol 152, No 1,  
1968, pp 9-18.  
BISI 6633

sci/ materials  
oct 69

395,277

Bubbles in Steel, by P. E. Kihlstedt.  
SWEDISH, per, Jernkont. Ann., Vol. 152, Jan 1968,  
pp 19-28.  
HSI 8613

sci/materials  
nov 70

Studies Relating to the Effect of Tapping and  
Pouring Practices on the Nonmetallic Inclusion  
Content of Steel. Part 1, by C. Ericsson.  
SWEDISH, par, Jamkintonets Annaler, Vol 152,  
No 5, 1968, pp 205-212.  
EBB 7643-1

sci/ materials  
aux 69

388,616

Studies Relating to the Effect of Tapping and  
Pouring Practices on the Nonmetallic Inclusion  
Content of Steel. Part 2, by C. Ericsson.  
SWEDISH, per, Jernkontors Annaler, Vol 152,  
No 5, 1968, pp 212-223.  
His 7643-2

sci/ materials  
sept 69

392,949

Recent Developments in the Field of Powder  
Pressing, by O. V. Roman.  
SWEDISH, per, Jernkon. Ann., Vol 152, No 5,  
1968, pp 245-252.  
BISI 6777

Sci-Mat  
Apr 69

379,736



The Alloy Supply Situation for the Steel Industry,  
by G. Bjorling.  
SWEDISH, per, Jemken. Ann. Vol 152, No 8, 1968,  
pp 372-386; discussion pp 412-419  
BISI 7343

sci/ materials  
sept 69

392,981

The Alloy Supply Situations for the Steel  
Industry III - The Uses of Alloy Metals,  
by C. H. Rosendahl,  
SWEDISH, per. Jernkon, Ann., Vol 152, No 8,  
1968, pp 387-419.  
BISI 8314

Sci/Mat  
Sep 70

Studies of Changes in the Composition of Sulphide  
Inclusions After the Rolling of Steel Ingots and  
Continuously Cast Billets, by S. Bergh.  
SWEDISH, per, Jernkon Ann, Vol 152, No 9, 1968,  
pp 451-452.  
BISI 7657

Sci/Chem  
May 70

406,768

Stripping Power of Rolls in Hot Rolling with  
Friction Driven Work Rolls and Directly Driven  
Rolls, by B. Zachrisson.  
SWEDISH, per, Jernkon Ann, Vol 153, No 7, 1969,  
pp 289-294.  
BISI 8537

Sci-Mat  
Dec 70

Development of Iron Ore Products for the  
Swedish Market, by P.G. Kihlstedt,  
SWEDISH, per. Jernkon Ann., No 8, 1969,  
pp 373-399.  
BISI 8165

Sep 71

The Effect of Stress Relieving on the Mechanical Properties of Ordinary Pressure Vessel Steel, by C. Ulff,  
SWEDISH, per. Jernkon. Ann., Vol 154, 1970,  
pp 53-64.  
BISI 9098

Jul 71

The Reform Method of Demulphurisation, by  
L.-E. Carlsson.  
SWEDISH, paper, Jernkontors Ann., Vol 151, No 6, 1970,  
pp 211-253.  
\*RISI 0953

sci/inst  
feb 71

Degradation of Ores in Handling and Transport,  
by B. Fagerberg,  
SWEDISH, per. Jernkon. Ann., Vol 154, 1970,  
pp 369-385.  
BISI 9547  
*NTC 72-60568-11F*

Mar 72



Course of Refining [of Pig Iron] by Treating  
it with [Various Beneficiated] Ores,  
by F. Berglund,  
GERMAN, per. Jernkontorets Annaler, Vol 155,  
No 3, 1971, pp 109-118.  
HB 8516

Mar 72