

Reflections and Refraction of Acoustic Waves by a  
Shock Wave, by J. Brillouin, 42 pp.

W  
GERMAN, per, Acustica, Vol V, No 3, 1955, PP  
149-163.

NACA TM 1409

Sci - Phys

50,526

Aug 57

Forces of Attraction and Repulsion Between  
Spheres in a Sound Field, by W. Dorr, 10 pp.

OSMAN, par, Acustica, Vol V, 1955, pp 163-166.

S.I.A. Tr 1217

Sci - Physics  
Jan 57 OIS

42,331

Sound Propagation in Liquid-Filled Small-Bore Tubes,  
by H. W. Helberg.

GOVERNMENT USE ONLY

GERMAN, per, Acustica, Vol 5, 1955, pp 267-268.

\*Dept of Navy NRL Trans No 1135

Sci-Phys  
Nov 68

The Eigenfrequencies of Horns, by W. Lange.

GERMAN, per, Acustica, Vol V, No 6, 1955, pp 323-330.

NATL Res Council, Canada  
TT No 751

E Sci - Electronics

CSTRO

Apr 60

118,632

Acoustical Calibration Standards, by F. Spandock,  
17 pp.

GERMAN, per, Acustica, Vol V, No 197, 1955.

Navy Tr 3319/USRL 22

Sci - Phys  
Mar 63

324,864

62-18334

Hertz, C. H. and Edler, I.  
THE RECORDING OF THE MOVEMENTS OF THE  
HEART WALLS USING THE ULTRASONIC IMPULSE  
METHOD (Die Registrierung von Herzwandbewegungen  
mit Hilfe des Ultraschall-Impulsverfahrens). [1962]  
[14]p (foreign text included) 12refs  
Order from SLA \$1.60                      62-18334

I. Hertz, C. H.  
II. Edler, I.

Trans. of Acustica (Switzerland) 1956, v. 6, p. 1-4.

DESCRIPTORS: \*Medical equipment, Motion, \*Heart,  
\*Ultrasonic equipment, Medical examination.

Using the ultrasonic reflectoscope the position of the  
heart walls in the human body can be located by placing  
the quartz crystal of the ultrasonic reflectoscope on  
the chest of the patient in such a way that the sound  
passes between the ribs and falls upon the heart region  
to be investigated. Further, with the help of a special  
(Biological Sciences--Medical Specialties, TT, v. 10,  
no. 10)                                      (over)

Office of Technical Services

*The Significance of the Frequency Group for the  
Loudness of Sounds, by H. Bausch. 13 pp.*  
GOVERNMENT USE ONLY  
GERMANY, per, Acustica, Vol 6, 1958, pp 40-45.  
NASA TT F-13083

sci/b and m  
sept 70

Radiation Behavior of Walls, by K. Goselo.  
FOR GOVERNMENT USE ONLY  
GERMAN, per, Acustica, Vol. VI, 1956, pp 94-98.  
9696430  
UDC RSIC=353

Sci - NS  
Apr 65

278p263



Two-Port Equivalent Circuits for Electro-  
mechanical Transducers, Part II, by  
A. Lenk,  
GERMAN, per, Acustica, Vol VI, 1956,  
pp 303-316.      P500057467  
Dept of Navy/NRL Tr No 1079

Sci-Electr  
Mar 67

230,283

On the Sound Production by Periodic Short  
Pressure-Pulses With Relation to the Sensation  
of Loudness, by H. Bauch. 31 pp.

GOVERNMENT USE ONLY

GERMAN, per, Acustica, Vol 6, 1956, pp 494-511.  
NASA TT F 13,055

sci/physics  
oct 70

Transmission of Impact Sounds by Floating Floors,  
by M. Foti.  
GERMAN, per, Acustica, Vol 7, 1957, pp 29-37.  
GB 49/T.D. 1625

Sci -

Jul 67

333,678

63-18883

Chocholle, René.  
AUDITORY DIFFERENTIAL INTENSITY IN THE  
PRESENCE OF A CONTRALATERAL TONE OF THE  
SAME FREQUENCY. [1963] [27]p. 5 refs.  
Order from SLA \$2.60      63-18883

I. Chocholle, R.

Trans. of Acustica (Switzerland) 1957, v. 7, p. 75-8).

DESCRIPTORS: \*Audiometry, \*Hearing, \*Thresholds  
(Physiology), Attenuation, Attenuators, \*Ear, Sensory  
mechanisms) Sound, Tests, Measurement.

Variations in the intensities received at one ear are  
measured while a steady tone of the same frequency is  
measured at the other ear. Examination of the response  
curves and their slopes in the middle portion, as well as  
of the differential thresholds, shows that there is always  
an attenuation in differential sensitivity. This phenom-  
enon will be the more pronounced, the higher the inten-  
sity of tone on the other ear. It can be assumed that this  
effect is of cortical origin and is, perhaps, a question of  
contrast. (Author)

(Biological Sciences--Physiology,  
TT, v. 10, no. 11)

Office of Technical Services

Wave Impedance and Specific Impedance in Acoustics, by  
UNCL G. Lavielle, Th. Vogel.  
GERMAN,  
KREMER, per, Acustica, Vol VII, 1957, p 101.

Navy Tr 2847/USRL 1

Sci - Phys  
Jul 61

160, 681

Induced Cavitation, by L. Bohn, 22 pp.  
GELMAN, per, Acoustic, Vol VII, 1957, pp 201-217.  
Navy Tr 4047/USRL Tr 46

*NTC 70-23691*

**Sci-Phys  
Mar 65**

**274,971**

Ultrasonic Surface Cleaning, by J. Claf.

GERMAN, per, Acustics, Vol VII, No 5,  
1957, pp 2583-263.

CSIRO

Sci - Phys  
Jul 62

207,664

Calibration of Hydrophones at Infrasonic  
Frequencies, by O. Brandt, UNCLASSIFIED

~~GERMAN~~  
~~RESEARCH~~ per Acustica, Vol VIII, No 1, 1958,  
p 31.

Navy 2495/USRL 2

Sci - Physics  
May 60

115,902



Reciprocity Calibration of Underwater Sound  
Transducers in a Free Field, by H. Marmoz,  
16 pp.

GERMAN,  
~~RESEARCH~~, Acustica, Vol VIII, 1958, p 102ff.

ORS 60-21184

Sci  
Vol IV, No 8  
29 May 62

198,229

Results From the Construction of a Supersonic  
Iconoscope, by W. Freitag, H. J. Martin, 9 pp.  
GERMAN, per, Acustica, Vol VIII, 1958, pp 197-200.  
9224875 922-7157  
AEC-ANL-Tr-69

Sci-Nucl Sci  
Nov 64

268,714

Description of an Electronic Ultrasonic Image  
Converter, by W. Freitag, H. J. Martin, 7 PP.

GERMAN, per, Acustica, Vol VIII, 1958,  
PP 197-200.

ACBI I-8006  
ID 2216543

Sci - Phys  
Jan 63

221,746

Investigations on the Influence of Eigen-  
resonances of Rooms on the Results of  
Sound Insulation Measurements, by M  
Heckl.

GERMAN, per, Acustica, Vol 8, No 4, 1958,  
pp 212-220  
GB/21/LC 963

Sci -

Jul 67

334,256

61-20535

Kuttruff, H.  
PROPERTIES AND ANALYSIS OF REVERBERATION  
CURVES. [1961] 11p. 9 refs.  
Order from SLA \$1.60

61-20535

I. Kuttruff, H.

Trans. of Acustica (Switzerland) 1958, v. 8,  
p. 273-280.  
Another trans. is available from ATS \$14.80 as  
ATS-90NS2G [1961] 11p.

DESCRIPTORS: Vibration, \*Sound transmission,  
Acoustics, \*Reverberation.

An exposition of reverberation phenomena in enclosed  
spaces is given and hence the characteristic bending of  
reverberation curves is predicted. The slope at the  
commencement of such a curve is shown to be pro-  
portional to the weighted arithmetic mean of the  
damping factors of all the relevant natural vibrations.  
(Physics--Acoustics, TT, v. 7, no. 1) (over)

Office of Technical Services

Hot-Wire Measurement of Ultrasonic Intensity,  
by J. Schreiner.  
GERMAN, per, Acustica, Vol 8, No 5, 1958, pp 303-307.  
NAVY/APL/JHU-T-2653

Nov 72

20320

4 March 68

Acoustical -Optical Picture Transformation  
by Means of Photographic Films by G.Keck, pp  
79-85

German, per, Acoustica, Vol.9, Vienna, 1959

Special Type "B": Translator's draft plus one  
(text and captions only wherever possible)  
T.D. 11 March 68

pp- do not subtitle,

13

Sound Radiation From Point Driven Hollow  
Cylinders, by Von M. Heckl.

GERMAN, per, Acustics, Vol IX, No 2,  
1959, pp 86-92.

Sci - Hys  
Mar 62

CSIRO

28/78

189, 286



The Loudness of Noise From Motor Vehicles,  
by H. J. Rademacher.

GERMAN, par, Acustica, Vol IX, 1959,  
pp 93-106.

CSIRO

Sci - Phys  
Apr 62

190,345



An Ultrasonic Radiator for Flaw Detection With  
Improved Near Field, by K. von Hasselberg, J.  
Krauthramer. UNCLASSIFIED

*German*  
RUSSIAN, par, Acustica, Vol No 2, 1959, p 359.

NAVY 2 24/16/UNCL 8

Sci - Physics  
May 60

115,903

On the Study of the Problem of Tonal  
Selectivity of the Ear, by L. Pimonov,  
22 pp.

GERMAN, per, Acustica, Vol IX, No 5,  
1959, pp 345-352.

SLA 60-16915

Sci  
Feb 62  
Vol 4, no 9

*184, 686*

Ultrasonic-Radiator for Testing of Materials With  
Improved Near-Field, by K. von Haselberg, J.  
Kraukramer,

GERMAN, per, Acustica, Vol IX, 1959, pp 359-364.

AEC Tr-4025

Sci - Chem

OTS 60-21423

CEA A-1217 Rev TR

May 60

117,377

62-20331

Weiss, O.  
ON THE PROPAGATION OF SOUND IN DISSIPATIVE  
MEDIA WITH COMPLEX SHEAR AND BULK  
MODULUS. [1962] 31p. 4 refs.  
Order from SLA \$3.60                      62-20331

I. Weiss, O.

Trans. of Acustica (Switzerland) 1959, v. 9,  
p. 387-398.

DESCRIPTORS: \*Sound transmission, Mechanical  
waves, \*Wave transmission, Propagation, Sheets,  
Elasticity, Liquids, Absorption, Continuous media,  
Equations.

Topics include: Compression waves, shear and dilata-  
tion waves (primary waves) in a dissipative medium;  
compression wave propagation in a homogeneous  
liquid layer (free of shearing stress), bounded absorp-  
tively with compression losses; wave propagation in an  
(Physics--Acoustics, TT, v. 10, no. 1)                      (over)

Office of Technical Services

Absolute Calibration of Microphones in a Diffuse  
Sound Field, by H. G. Diestel, 6 pp.

GERMAN, per, Acustica, Vol X, 1960.

Navy Tr 3215/USRL 21

Sci - Engr

Sep 62

211, 289

Modes of Vibration of Cylindrical Disks of  
Barium Titanate Ceramic, by G. Schmidt.  
EUROPEAN, per, Acustica, Vol 10, 1960, pp 30-  
34.

NTC-71-11744-20A

Navy 2697/USRL 12

OTS 62-10078

Feb 72



Investigation of Orthotropic Sheets, by M. Heckl.  
GERMAN, per, Acustica, Vol 10, 1960, pp 109-115.  
NTC-71-11900-20A

*Navy 2639/USRL 10*

Nov 71

Ultrasonic Image Converter With Electronic Mirror,  
by Von G. Koch, *4 pp.*

GERMAN, per, Acustica, Vol X, 1960, pp 167-170.

\*ACSI I-2149  
ID 2227640

Sci - Phys  
11 Mar 63

Accurate Measurement of Classical Sound Absorption  
in Gases by Means of Cylindrical Resonators, I.  
by L. Fritzsche.  
GERMAN, per, Acustica, Vol X, No 4, 1960,  
pp 188-196.  
NASA TT F-9275

Sci-Phys

May 65

U.S. GOVERNMENT ONLY

280,179

Theory of Acoustical Cylindrical Resonators  
Taking into Consideration the Excitation Due  
to Sound II, by L. Fritzsche.  
GHEIMAN, per. Acoustics, Vol 1, No 4, 1960,  
pp 199-207.  
NASA TT F-9276

Sci-Phys  
May 65  
U.S. GOVERNMENT ONLY

136, 280,181

Problems in the Transmission of Ultrasonic  
Vibrations in Heated Liquids, by R. Pohlman.  
GERMAN, per, Acustica, Vol 10, No 4, 1960,  
pp 229-237.  
NTC 71-14185-20A

Feb 72

The Construction of an Anechoic Tank for Underwater  
Sound Measurements, by E. Meyer, W. Schile, K. Tamm.

GERMAN, per, Acustica, <sup>Vol X,</sup> ~~10-10~~, 1950, p 231.

~~REF~~ USRL Tr 18

REur - Germany  
Recon  
Jul 61

Some Observations Concerning the Optical Power  
Frequency, by H. Miede.

GERMAN, ger, Acustica, Vol XI, 1961, p 41.

Navy 2874/USRL 19

Sci - Electronics, Phys  
Oct 61

170.991

62-14437

Tamm, K. and Weis, O.  
WAVE PROPAGATION IN INFINITELY EXTENDED  
DISCS AND IN DISC STRIPS. [1962] 25p. 4 refs.  
Order from SLA \$2.60                      62-14437

I. Tamm, K.  
II. Weis, O.

Trans. of Acustica (Switzerland) 1961, v. 11 [no. 1]  
p. 8-17.

DESCRIPTORS: \*Mechanical waves, \*Wave transmission,  
Distortion, Reflection, Attenuation, Velocity, Disks.

An analysis shows that the same wave types occur in  
disks as in the case of secondary waves with plane  
distortion field. In disks the dilatational wave that is  
without rotation in xyz is replaced by the extensional  
plate wave, free of rotation only in xy, which formally  
has the same properties in disks as the dilatational  
wave in an infinite medium. As a secondary wave, the  
extensional plate wave is of course a combination of a  
shear wave and a dilatational wave. (Author)

(Physics--Wave Propagation,  
TT, v. 9, no. 6)  
Office of Technical Services



Reduction Phenomena for Attenuation of Sound  
in Ducts, by G. Kartze,  
GERMAN, *per*, *Acustica*, Vol XI, 1961, pp 112-117.  
NASA TT P-9277

Sci-Electr  
May 65  
U.S. GOVERNMENT ONLY

280,190

Lavergne, M. and Chauveau, J.  
TRANSFER FUNCTIONS OF PIEZOELECTRIC TRANS-  
MITTERS AND RECEIVERS FOR SEISMIC MODELS.  
[1962] 13p. 7 refs.  
Order from SLA \$1.60

62-14435

Trans. of Acustica (Switzerland) 1961, v. 11, no. 3,  
p. 121-125.

DESCRIPTORS: \*Seismic waves, Models (Simulations),  
\*Wave transmission, \*Piezoelectric crystals, Ultra-  
sonics, \*Acoustics.

The transfer functions on transmission and reception  
are calculated for cylindrical piezoelectric pellets  
vibrating parallel to their axes. It was possible to de-  
fine the initial electric pulses and to determine the  
acoustical impedances of materials to be applied to the  
surfaces of the pellets in order to obtain pulses of de-  
sired form. (Author)

(Earth Sciences--Seismology, TT, v. 9, no. 6)

62-14436

I. Lavergne, M.  
II. Chauveau, J.

*SLA TT-64-16330*  
*SLA TT-62-14436*

Office of Technical Services

62-14485

Tjaden, K.  
ABSORPTION OF LONGITUDINAL ULTRASONIC  
WAVES IN ALUMINUM AT HIGH TEMPERATURES.  
[1962] [37]p. 20 refs.  
Order from SLA \$8.60                      62-14485

I. Tjaden, K.

Trans. of Acustica (Switzerland) 1961, v. 11 [no. 3]  
p. 127-136.

DESCRIPTORS: \*Aluminum, Single crystals, Crystals,  
\*Ultrasonic radiation, \*Absorption, Propagation, Tem-  
perature, High temperature research, Ultrasonics.

(Physics--Acoustics, TT, v. 8, no. 6)

Office of Technical Services

62-12226

Oetinger, R. and Hauser, H.  
AN ELECTRICAL NETWORK FOR THE INVESTI-  
GATION OF THE MECHANICAL VIBRATIONS OF  
THE INNER EAR. [1961] 26p.  
Order from ATS \$36.40      ATS-48N56G

I. Oetinger, R.  
II. Hauser, H.  
III. ATS-48N56G  
IV. Associated Technical Ser-  
vices, East Orange, N. J.

Trans. of Acustica (Switzerland) 1961, v. 11,  
p. 161-177.

DESCRIPTORS: \*Ear, \*Vibrations, \*Electrical net-  
works, Recording devices, Physiology.

(Biological Sciences--Physiology, TT, v. 7, no. 3)

Office of Technical Services

The Dynamic Behavior of the Ear in Separating  
the Sound Spectrum Into Frequency Groups,  
by H. Scholl. 12 pp.  
GOVERNMENT USE ONLY  
GERMAN, per, Acustica, Vol 12, 1962, pp 101-107.  
NASA TT F-12,719

Sci-DM  
Feb 70

401,762

A Test Sound Source for Broad-Band Microphones  
for the Measurement of Sound Pulses in Liquids,  
by W. Eisenmenger, 14 pp.

GOVERNMENT USE ONLY

1962

GERMAN, per, Acustica, Vol 12, No 3, 1962,  
pp 165-172.

Dept of Navy NRL Tr No 1211

Sci/Phys  
Sept 70

Electromagnetic Generation of Plane Pressure  
Pulses in Fluids, by W. Eisenmenger.  
GERMAN, per, Acustica, Vol 1, 1962, pp 185-202.  
NSTIC Trans No 1680                      P944024668

Sci-Prop & Fuels  
Feb 68

350,437

Terminal Impedance of Resonant Cylindrical  
Tubes, by J. Guittard.

GERMAN, per, Acustica, Vol XII, No 5, 1962,  
pp 313-322.

*J*  
~~\*Navy/APL-260~~

Sci - Phys  
Aug 63

*Navy JW 3628/APL T 896*



TT-63-20618

Kleesattel, C.  
"VIBRATOR AMPULLACEUS": A LONGITUDINAL  
MECHANICAL RESONATOR FOR VERY HIGH AM-  
PLITUDE GENERATION AND TRANSDUCER POWER  
GAIN. [1963] 40p 10refs  
Order from SLA \$3.60

TT-63-20618

I. Kleesattel, C.  
II. Title: Longitudinal ...

Trans. of Acustica (Switzerland) 1962, v. 12, no. 5,  
p. 322-334.

DESCRIPTORS: \*Resonators, Magnetostrictive ele-  
ments, Power amplifiers, Acoustic impedance,  
Resonance, Ultrasonic equipment, Vibration.

The value of a mechanical resonator shaped according  
to the sectional area function  $S(x) = S_0 e^{-ax^2}$  is in-  
vestigated both for very high amplitude generation and  
for use as an electro-mechanical transducer operating  
at resonance. For identical magnitudes of the peak  
(Physics--Acoustics, TT, v. 11, no. 1)      (over)

Office of Technical Services

Schügerl, K.  
ON THE NON-LINEARITY OF HEARING. 40p 21refs  
Order from SLA \$3.60      TT-64-16584  
Trans. of Acustica (Switzerland) 1962, v. 12, no. 6,  
p. 386-397.

(Physics--Acoustics, TT, v. 12, no. 3)

TT-64-16584

I. Schügerl, K.

Office of Technical Services

Pressure Chamber Methods for the Measurement  
of Acoustical Impedances of Small Objects  
(microphones) in Liquids, by M. Kund,  
H. Kuttruff, 11 pp.

GERMANY, per, Acustica, Vol XII, 1962, pp 404-410.

Navy Tr 3530/USRL 33

Sci - Phys  
Sep 63

344,192  
NSTIC TR 1559 (922 3385)

Absolute Calibration of Various Kinds of Underwater Sound  
Transducers in the Range From 5 to 250 kc, by H. Kuttruff,  
P. Wille, 19 pp.  
GERMAN, per, Acustica, Vol ~~XIX~~ XII, 1962, pp 410-421.

Sci - Phys  
Mar 64

Navy Tr 3725/USRL 36  
NTC 70-14144-20A

250,957

Acoustic Arrangements in Rebuilding the German  
Opera House, by L. Cremer, J. Nutsch, H. J. Zemke.  
GERMAN, per, Acustica, Vol 12, No 6, 1962, pp 32-  
428 - 432  
AWA

Sci -  
Aug 67

335,154:

Should Acoustic Power and Sound Pressure Levels  
of Machine Noise be Indicated, by W. Reichardt,  
15 pp.

GERMAN, PAT, Acustica, Vol XI, No 1,  
May 1963.

Navy Tr 3621/InShips 822

Sci - Phys  
Dec 63

244,170

Attempts to Standardize Effectively the Measurement of the Absorption Coefficient in Reverberation Rooms, by J. Guillermin.  
GERMAN, per, Acustica, Vol 13, 1963, pp. 14-24.  
NZDIA

*NTC 70-10291-20A*

sci-physics  
aug 1969

390,101

The Optical Representation of Sound Fields  
with Phase and Amplitude Recording, by  
H. J. Schroeder  
GERMAN, per, Acustica, Vol 13, No 2, 1963,  
pp 92-108.  
MLL Ref: 8732 (1258)

Sci-Physics  
Aug 68

362,189



TT-63-20653

Schroeder, J. H.  
OPTICAL REPRESENTATION OF SOUND FIELDS  
WITH PHASE AND AMPLITUDE RECORDING.  
{1963} 24p (figs formulae omitted)      TT-63-20653  
Order from SLA \$2.60

1. Title: Sound field visualization
1. Schroeder, J. H.

Trans. of Acustica (Switzerland) 1963, v. 13, no. 2,  
p. 92-108.

DESCRIPTORS: \*Sound signals, \*Phase measurement,  
\*Pulse height analyzers, \*Recording systems,  
\*Optical equipment, Photographic recording systems,  
Acoustic equipment, Transducers (Acoustic).

(Physics--Acoustics, TT, v. 11, no. 3)

Office of Technical Services

Thickness Modes of Vibration of Barium Titanate Disks, by  
G. Schmidt, R. Grohmann, 13 pp.  
GERMAN, per, Acustica, Vol XIII, 1963, pp 131-139.

Navy Tr 3726/USRL 37  
*NTC 70-14153-20A*

Sci - Phys  
Mar 64

250,958

Reflecting Properties of Broken Ceilings (modal studies on the Reflector Arrangement of the New Philharmonic Hall in New York), by E. Meyer, E. Hestruff, 6 pp.

Acoustics, Jour. Acoustics, Vol XIII, 1963, pp 183-186.

←  
New York/USA. \*

Encl - 2 pp  
out 63

345, 193

Effect of a Reflector on the Ultrasound Radiated by a  
Periodically Structured Jet, by J. Y. Moisan.  
GERMAN, per, Acustica, Vol XIII, No 4, 1963,  
pp 251-257.  
NASA TT F-9171

Sci-Phys  
Jan 65

U.S. GOVERNMENT ONLY

270,978

The Effect of An Absorbent Covering Over a  
Vibrating Surface on Sound Radiation from  
the Surface, by K.M.Iwanov-Schitz.  
GERMAN, per, Acustica, vol. 13, 1963, pp.403-6  
NTC 70-17112w-20A

The Effect of an Absorbent Covering over a Vibrating  
Surface on Sound Radiation by the Surface,  
by K. M. Iwanov-Schitz, S. N. Rzhavkin, 6 pp.  
GERMAN, per, Acustica, Vol XIII, No 6, 1963,  
pp 403-406.  
Dept of Navy 4429/USRL Tr No 52

Sci - Elec  
Feb 66

295,428

*English title unknown, by E. Lubcke.*  
*GERMAN, per, Acustica, Vol 14, 1964, pp 105-114.*  
*NASA TT F 13,943.*

*sept 71*

Agency: Harry Dia. Lab. *R-10711-8*  
P.O. #: *19 Aug. 69*

Title: Untersuchungen zur Akustischen Beeinflussung  
der Stromungsgrenzschicht in Luft

Author: F. Mechel und W. Schilz

Source: Acustica, Vol. 14 (1964)

Language: German

Special Instructions: Please translate and type 1 copy



F. Luebcke

Subjective and Objective Evaluation of Engine  
Noises.

GERMAN, per, Acustica, Vol 14, 1964, pp 105-114

NTC 72-12572-20A

NASA TT F-13, 943

sept 72

Experimental Determination of Shock Front Thickness  
From the Acoustical Frequency Spectrum of  
Electromagnetically Generated Shock Waves in Liquids  
in the Shock Pressure Range From 10 atm to 100 atm,  
by W. Eisenmenger, 32 pp.  
GOVERNMENT USE ONLY  
GERMAN, per, Acustica, Vol 14, No 4, 1964, pp 187-204.  
Dept of Navy NRL Tr 1213

April 71

Effects of Noises on Vigilance as a Function of  
Their Physical and Psychophysiological Characteristics,  
by A. Wisner C. Tarriere.  
GERMAN, per Acustica, Vol. 14, No. 4, 1964, pp 216-226

*PMB/ENG*

Sci -  
Aug 67

338-462

Investigations on the Direction-Dependent  
Perceptibility of Delayed Sound Pulses,  
by W. Burgdorf, H. K. Oehlschlager.  
SWISS, par, Acustica, Vol 14, 1964,  
pp 254-66.  
SLA TT-66-10893

331, 639

Sci  
Jul 67

Acoustical Reflectometer, by H. Grote.  
GERMAN, per, Acustica, Vol XIV, 1964, No 5,  
pp 296-297.  
Navy/USRL No 47/NAVY Tr. No 4097

6  
Sci - Phys  
Nov 64

Comparison of Measurements of Room Acoustics  
on Models and in the Actual Room Demonstrated  
on the Example of the Kosmos Cinema in Berlin,  
by H. Winkler.

GERMAN, per, Acustica, International Journal  
on Accoustics, Vol 14, No 6, 1964, pp 347-355.

NZDIA

NTC-69-12869-20A

SCI -  
Jul 67

334,774

Permissible Noise Levels in Studios, Concert  
Halls and Theatres, by W. Kuhl.  
GERMAN, per, Acustica, International Journal  
on Accoustics, Vol 14, No 6, 1964, pp 355-359.

WZDIA

*NTC-69-12870-20A*

Sci -  
Jul 67

334,770

Comparison of the Methods Used for Obtaining  
Diffuse Sound Fields With Reverberation  
Room Measurements, by G. Venzke.  
GERMAN, per, Acustica, International Journal  
on Accoustics, Vol 14, No 6, 1964, pp 360-364.

NZDIA

*NTC-69-12868-20A*

Sci -  
Jul 67

334,773



ANTI-TERRORIST FACTION OF VENEZUELAN  
COMMUNIST PARTY DRAFTS MANIFESTO, 8 PP.

SPANISH, PER, A. D. 18 DEC 1962,  
P 24.

JPRS 17026

LA - VENEZUELA  
POL.  
JAN 63

*(Democratic Action)*

218,906

4100-D

(NY-4527)

Statistics and Data for a Study of the Development  
of the People's Economy - 1949-1955, 327 pp.

HUNGARIAN, bk, Adatok es Adalekok a Heggazdasag  
Fejlodesenek Tanulmanyozasahoz, 1957,  
pp 37-154, 287-338, 447-460.

JPRS 7784

Ebur - Hungary  
Econ  
Mar 61

142,021

Items of Interest From Everywhere, 3 pp.

CZECH, per, Adelovaci Technika, No 11, 1959,  
pp 424, 430.

UBASIA: H-6613b

Sci - Electron

Feb 61

*140, 153*

J-503/63

Printing Inks for Safety Printing, by Pierre Genin, 7 pp  
(  
GERMAN, per, Adhession, Vol IV, No 8, 1960, W. Berlin,  
pp 421-423,

*J*  
\*JPRS/DC-8592

~~XXXXXXXXXXXXXXXXXXXX~~

Sci - Misc  
Apr 63

Fuchs, Erwin,  
THE HARDENING OF GELATINE, PARTICULARLY  
IN PHOTO-MATERIALS. [1964] 22p  
Order from SLA \$2.60

TT-64-14776

Trans. of Adhäsion (West Germany) 1961 [v. 5] no. 5,  
p. 225-230.

TT-64-14776

I. Fuchs, E.

(Materials--Photographic, TT, v. 11, no. 11)

Office of Technical Services

Sizing Materials for the Textile Industry,  
by E. Freizer.

GERMAN, per, Adhesion, Vol V, No 10, 1961,  
pp 505-512.

GB/39/Nob

Sci-M/I

Oct 63

241, 410

Sizing Materials For the Textile Industry, by  
E. Freizer.

GERMAN, per, Adhesion, Vol V, No 11, 1961,  
pp 564-577.

GB/39/Nob

Sci-M/M

Oct 63

241,411

Sizing ~~XXXXXXXXXX~~Materials for the Textile  
Industry, by E. Freizer.

GERMAN, per, Adhesion, Vol V, No 12, 1961,  
pp ~~XXXXXX~~.617-622.

GB/39/Nob

Sci-M/M

Oct 63

241,412



TT-64-10411

Fuchs, Erwin.  
CONTROL OF THE PROPERTIES OF GELATINE OR  
ITS SOLUTIONS WITH SPECIAL CONSIDERATION  
FOR PHOTOGRAPHIC EMULSIONS. [1963], 24p  
Order from SLA \$2.60      TT-64-10411

I. Fuchs, E.

Trans. of Adhesion (West Germany) 1962 [v. 6] no. 7,  
p. 332-338.

DESCRIPTORS: \*Gelatins, Solutions, \*Photographic  
emulsions, Control, Chemical reactions, Stability,  
Preservation, Viscosity, Plasticizers, Surface active  
substances.

(Materials--Photographic, TT, v. 11, no. 10)

Office of Technical Services

Emulsion Processes and Emulsifiers, by  
W. Wachs.  
GERMAN, per, Adhaesion, Vol 6, No 11,  
1962, pp 553-556.  
NTC 69-11448-07D

Sci-Chem  
July 69

387,085

New Theories of Adhesion of High  
Polymers, by P. O. Seidler.  
GERMAN, PER, Adhasion, Vol VII, No 11,  
1963, pp 503-512.  
TC-163

TC-163

Apr 67

323, 105

*Adhesion*

1963 V 7, No 4, pp 160-170 & 188  
nto 70-16549-14E

Epoxy Resin Adhesives in Structural Engineering,  
by R. Hinterwaldner.  
GERMAN, per, Adhasion, No 4, 1964, pp 51-143 -/57  
GB 226

Sci -  
Jul 67

334,125

Joining of Thin-Section Steel by Metal Adhesion,  
by K. Ulmer.  
GERMAN, per, Adhasion, Jun 1964, pp 276, 277.  
BISI 3882

Sci-M/M  
Feb 65

2273,195

Thermoplastic Adhesives - Fundamentals,  
Requirements, and Definitions, by H. Hartmann  
GERMAN, per, Adhaesion, Vol 8, No 10, 1964,  
pp 424-428  
NTC 71-15262-11A

mar 72

Adhesive Bonding of Textiles, by H. Lucke.  
GERMAN, rpt, Adhaesion, No 12, 1964, pp 501-515.  
NTC-71-10328-11A

Nov 71



The Role of the Adiabatic Exponent in Chemically  
Variable Gas Mixtures, by Irene Sanger-Bred't.

GERMAN, per, Der Adiabatenexponent Bei Chemisch  
Veranderlichen Gasgemischen, Vol VI, 1955, pp 35-66.  
9661823.

ATTC MCL 702/1-2

Sci - Chem  
Jun 61

155,498

Adiestramiento de la Dotacion del Vehiculo Blandado  
Liviano M8.

ENGLISH to SPANISH, Field Manual, Crew Drill Light  
Armored Car M8, FM 2-6, 30 Dec 1943.

Sales Agency,  
US Govt Printing Office  
Hq, USARCARIB  
Fort Amador, Canal Zone  
\$0.20

Adiestramiento de la Dotacion de Vehiculos Semiorugas  
de Infanteria Blindada.

ENGLISH to SPANISH, Field Manual, Crew Drill for  
Half-Truck Vehicles, American Infantry, FM 17-71,  
10 Dec 1947.

Sales Agency  
US Govt Printing Office  
Hq, USARCARIB  
Fort Amador, Canal Zone  
\$.25

Dynamic Adiabatic Curve for Uranium,  
by J. Viard.  
FRENCH, rpt, Adiabatique Dynamique  
de l'Uranium, 1961      9229742  
AEC UCRL-1r-1213(L)

Sci-Chem  
Nov 65

291,935

Mapping Activities 1957-1960. 17PP

CZECH, per, Administration Centrale de Geodesie  
et de Cartographie. Call No. GA842.C96.

AMB

Sci - Geophy's  
Aug 61

163,025

order from NTC

ANM REVISTA DE LA ASOCIACION DENTAL MEXICANA  
1964 V21 P79-88                      70-21476 <\*>  
1964 V21 No P427-439                70-11078-06E <\*>

(DC-6967)

DIRECTORY OF GOVERNMENT ORGANS, INSTITUTIONS,  
AND ORGANIZATIONS IN THE CITY OF ZAGREB, 40 PP.

~~XXXXXXXXXX~~

CROATIAN, DIRECTORY, ADRESAR ORGANA, USTANOVA I  
ORGANIZACIJA U GRADU ZAGREBU, 1961, PP 5-34.

JPRS 14847

SEEUR - YUGOSLAVIA  
BLOG, POL  
AUG 62

208,381

**Absorption and Energy of Activation in Metallurgical  
Euzon Processes, by Prof Dr Wladyslaw Kaszowski, 11 pp.**

**POLSK, 44, Adsorpcja i Energia Aktywacji w Procesach  
Metalurgicznych, 1978.**

**CIA/RDP X-3082**

**Sci - MIA/mab  
Feb 79**

**80,689**



Adsorption of Ions from Aqueous Solutions  
on Metal and Oxide Surfaces, by E. Herczynska,  
POLISH, rpt, Adsorpcja Jonow z Rostworow Wodnych  
na Powierzchni Metali i ich Tlenkow,  
\*AEC 115-38

Sci-Phys

Remarks on the Propagation of Electrons and  
Phonons: Application to the Investigation of  
Thermoelectric Materials, by J. P. Buchet,  
H. Rodot, P. Leroux-Hugon, M. Rodot, 26pp  
ENGLISH, per, Advanced Energy Conversion,  
Vol 3, 1963, pp 569-590  
SIA TT-64-18127

Sci - Phy  
May 67

326,552

Herring Fishing Trials With the "Neptunus" 1950,  
by Jakob Jakobsson, 5 pp.

~~NORWEGIAN~~  
NORWEGIAN

~~NORWEGIAN~~, per, ABgir, Vol xlix, No 22, 1956,  
pp 343-347.

Fisheries Research Board of Canada  
Biological Stations, St. Andrews, N.

*Tu 618*

*156, 029*

~~United Kingdom~~  
United Kingdom  
Sci - Biol  
Jun 61

Herring Fishing Trials With the Neptunus 1958,  
Jakob Jakobsson, 6 pp.

~~SCANDINAVIAN~~ <sup>NORWEGIAN</sup>, per: Aegir, Vol LII, No 5, 1959, pp 1-

Fisheries Research Board of Canada  
Biological Stations, St. Andrews, N.B.

T/L 619

Sci  
Jun 61

156, 031