

Some Recent Developments in Ultra-High-Vacuum
Technology, by P. A. Redhead¹, E. V. Kornelsen. 23 pp

GERMAN, per, Vacuum¹¹-Technik, Vol 1, No 2, 1961,
pp 31-39. 9518824

AEC-AI-Tr-3

Sci - Nucl Sci

Dec 63

Gas Sorption ~~III~~ on Evaporated Titanium Films,
by J. Laschert, 36 pp.

GERMAN, per, Vakuum-Technik, No 1/2, pp 1-7,
no. 45, 1961. 9091771.

AEC-HP-Tr-908

Sci - Phys
Sep 62

211,066

(SF-2211.)

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CELEBRATING THE TENTH ANNIVERSARY OF THE SOCIETY
FOR WELDING TECHNIQUES OF SLOVENIA II PARTUR,
10 PP.

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VOL X, NO 3, OCT-DEC 1961, PP 65-68.

JPRS 13720

SCI - ENGR
MAY 62

194,608

Häfer, R. A.
THE ION BAFFLE, A NEW ELECTRIC HYDROCAR-
BON TRAP FOR OIL-SEALED ROTARY PUMPS. [1962]
18p. 14 refs.
Order from SLA \$1.60

62-14783

Trans. of Vakuum-Technik (West Germany) 1961, v. 10,
no. 4, p. 95-99.

DESCRIPTORS: *Rotary pumps, Ions, *Electric dis-
charges, Cathodes, Polymers, *Hydrocarbons, Mole-
cules, Cold cathode tubes.

A new electric hydrocarbon trap is described. It is
based essentially on the fact that the hydrocarbon mole-
cules flowing back from the pump are deposited in a
solid CH polymer layer on the surface of the cathode by
ion impact in an electric cold cathode discharge of in-
verse magnetron type. The mechanism is discussed in
(Engineering--Chemical, TT, v. 8, no. 4) (over)

62-14783

1. Title: Ion baffle
1. Häfer, R. A.

Office of Technical Services

Schlütze, H. J. and Heyge, G.
STUDY OF THE APPLICATION OF THE ION BAFFLE
IN THE PRODUCTION OF ELECTRON TUBES. [1962]
22p. 11 refs.

Order from SLA \$2.60

62-16590

Trans. of Vakuum-Technik (West Germany) 1961, v. 10,
no. 4, p. 100-105.

DESCRIPTORS: *Ions, Production, *Electron tubes,
*Vacuum pumps, Test methods, Design, Cathodes
(Electron tubes).

The ultimate vacuum of the auxiliary pumps used to
evacuate electron tubes can be lowered by about one
order of magnitude when an ion baffle is connected
between pump and tube. The final pressure of about
 10^{-4} Torr obtained with such a pump arrangement
resulted in an improvement of the emissive power of
(Engineering--Electronic, TT, v. 10, no. 10)

62-16590

I. Schlütze, H. J.
II. Heyge, G.

Office of Technical Services

63-10398

Klopper, A.
THE OBTAINING OF MAXIMUM VACUUMS WITH
GETTER-ION PUMPS, AND THE MEASURING OF
VERY LOW PRESSURES. 29 Sep 61 [20]p. 18 refs.
Order from SLA \$1.60 63-10398

Trans. of [Vakuum-Technik (West Germany) 1961,
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DESCRIPTORS: *Vacuum pumps, Ions, Low pressure
research, Gas dischargers, Cathodes.

Getter-ion pumps, operated by cold-cathode gas dis-
charges are very suitable for obtaining and maintain-
ing in a routine way very low pressures in small,
laboratory installations without the use of a diffusion
pump. The lowest total pressure attained so far was
 6×10^{-12} Torr [mm.]. The residual gases, analyzed
with an omegatron, consisted chiefly of hydrogen and
(Research Methods, Techniques and Equipment, TT,
v. 10, no. 2) (over)

1. Title: Getters
1. Klopfer, A.

Office of Technical Services

Applicability of the Omegatron for Quantitative
Partial Pressure Analysis in a High Vacuum, by
S. Dammeler.
GERMAN, per, Vakuum-Technik, Vol X, No 5, 6,
1961, pp 131-138; 184-190.
NASA TT F-9287

Sci-Phys
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U.S. GOVERNMENT ONLY

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Calibration Measurements With a McLeod Manometer,
by E. O. Locherbach, F. J. Schittko, 13 pp.
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GERMAN, per, Vakuum - Technik, Vol XI, No 2,
1962, pp 51-56. 9692354
DDC RSIC-153

Sci - Engr
May 64

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Physical Adsorption at Low Pressures and
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GERMAN, per, Vakuum Technik, Vol 3, Mar 1962,
pp 70-77.
*NASA TT F-12,537

Sci/B&M
July 69

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Production of Vacuum by Condensation on Low-
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AERE, Harwell
Tr-1675

AERE-TR-915

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Guages, by Meinke, G. Reich, 6 pp. GOVERNMENT
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DDC RSIC-144

Sci - Engr
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The Measurement of Residual Gas Pressure in Travel-
ing-Wave Tubes, by H. Schnitzger, 14 pp.
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Hydrogen Sorption by Barium Films in the Pressure
Range of 10^3 to 10^4 mm Hg, by G. Fauscher, C.
Staudt, 6 pp.
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(11th Year). 9225396
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May 65

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Influence of System Geometry and Operating Con-
ditions on the Sensitivity of a Bayard-Alpert Gage,
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pp 133-141.
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35 pp.

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Aug 63

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COMPARATIVE MEASUREMENTS BETWEEN AN OSCILLATOR
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W. GERMAN, per, Vakuum Technik, Vol XII, 1963,
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New Developments in the Field of Steel
Degassing, Part I, by W. Coupette.
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Determining the Phosphorus Requirements of
the Soil, With Theoretic Discussions on the
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NoEur - Norway

Military - Pay

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Hoer - Denmark

Military - Barracks, Zealand base

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Military - defense, policy

Nov 52 CTS/DEX

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HorEur - Sweden

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Oct 59

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Pol
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R-7140-D
13 June 66

Stromming och sydkustsill som foder till avelsmink
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USDA 19873-ARS-66

R-7141-D
13 June 66

Strömsäng och vill som foder till mink
From: VARA FALSENUR #4 4/15/64 pp 66-67

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USDA 19873-ARS-66

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13 June 66

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Dec 61

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HEW/Air Pollu. SA-1745-67

R-7340-D
16 Aug 66

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By: Lindaa, Helge

From: VARME V 30(5):124-127

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