

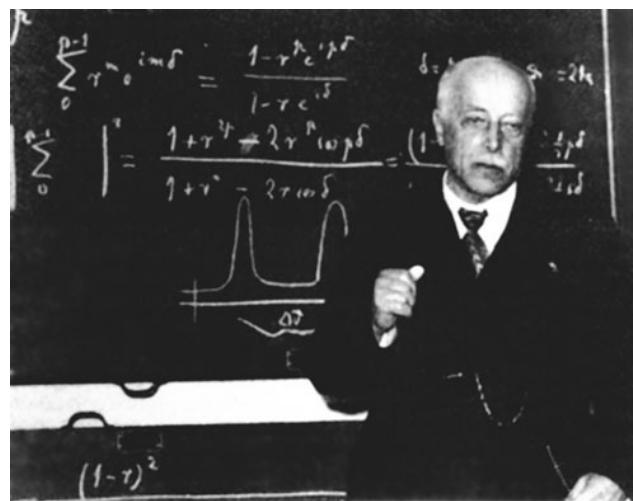
## Figures for 2012 Publication:



**Herbert Freundlich**

1880 – 1941  
(I: 1916 – 1933)

Fig. 1



**Max von Laue**

1879 – 1960  
(I: 1951–1960)

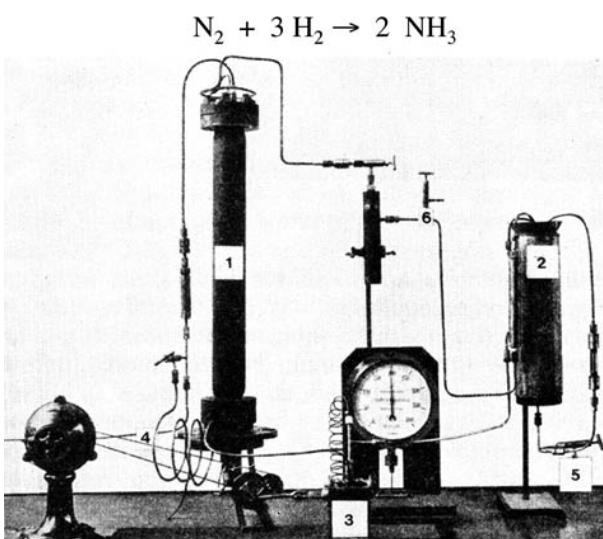
Fig. 2



**Fritz Haber**

1868 – 1934  
(I: 1911–1933)

Fig. 3



*F. Haber & R. LeRossignol, 1909  
Z. Elektrochem. 16 (1910), 244; 19 (1913), 53*

Fig. 4



Fig. 5

Nuclear spin

$|I = 0$

$|I = 1$

Rotational quantum  
numbers

$J = 0, 2, 4, \dots$

$J = 1, 3, 5, \dots$



K.F. Bonhoeffer  
1899 - 1957  
(l: 1923-1930, 1948-1949)

P. Harteck  
1902 - 1985  
(l: 1928-1933, e: 1956-1985)

**Fig. 6**

Über Para- und Orthowasserstoff-

Von

von

R. F. BONHOEFER UND F. HARTKEK.  
 (Aus dem Kaiser Wilhelm-Institut für physikalische Chemie und Elektrochemie,  
 Berlin-Dahlem.)

(Mit 5 Figuren in Tafel V.)

(Mit 5 Figuren im Text.)

Z. phys. Chem. B 4 (1929). 113



**Fig. 7**

H. Eyring  
1901 – 1981  
(l: 1929–1930)

M. Polanyi  
1891 – 1976  
(I: 1923–1933)

## Über einfache Gasreaktionen.

Von

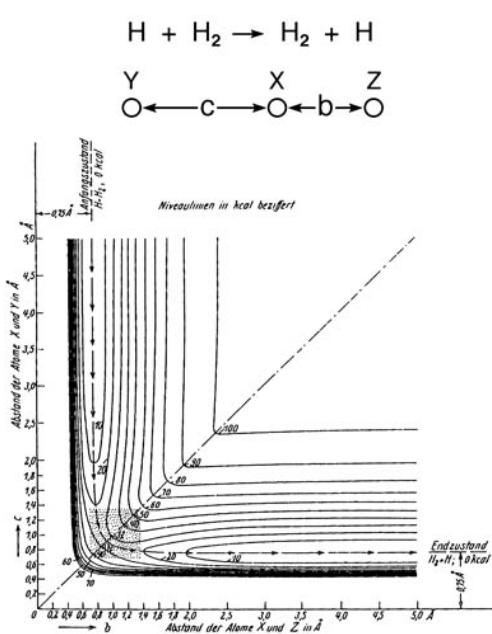
H. Eyring und M. Polanyi.

(Aus dem Kaiser Wilhelm-Institut für physikalische Chemie und Elektrochemie,  
Berlin-Dahlem.)

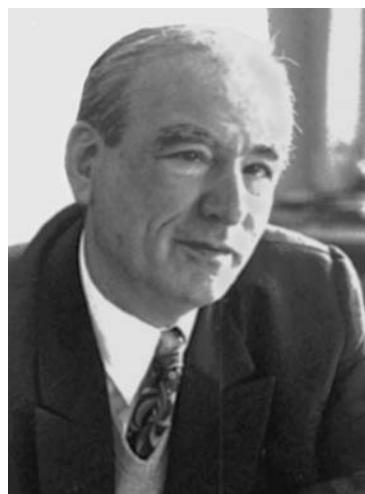
(Mit 17 Figuren im Text.)

(Einzelheiten s. S. 21.)

Z. phys. Chem. B 12 (1931). 279



**Fig. 8**



F Ruska

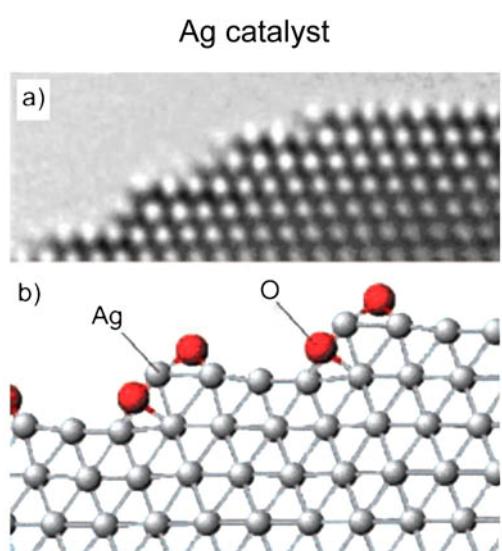
1906 – 1988  
(1949–1988)

**Fig. 10**



**Fig. 9**

50 Years Dynamics of Chemical Reactions  
Berlin, October 12–15, 1981



**Fig. 11**

Zeitschrift für Physik, Bd. 131, S. 136—142 (1951).

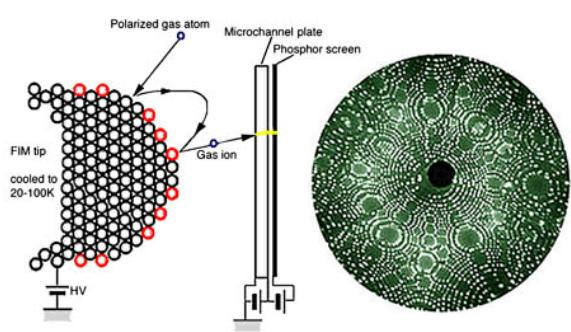
### Das Feldionenmikroskop.

Von

ERWIN W. MÜLLER.

Mit 3 Figuren im Text.

(Eingegangen am 27. August 1951.)



**Fig. 13**



**E.W. Müller**  
1911 – 1977  
(I: 1947-1951, e: 1957-1977)

**Fig. 12**



**J. Block**  
1929 – 1995  
(I: 1966–1995)

**Fig. 14**

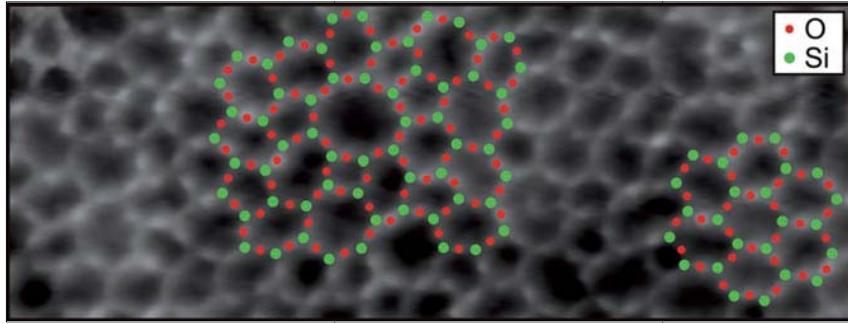


Fig. 15

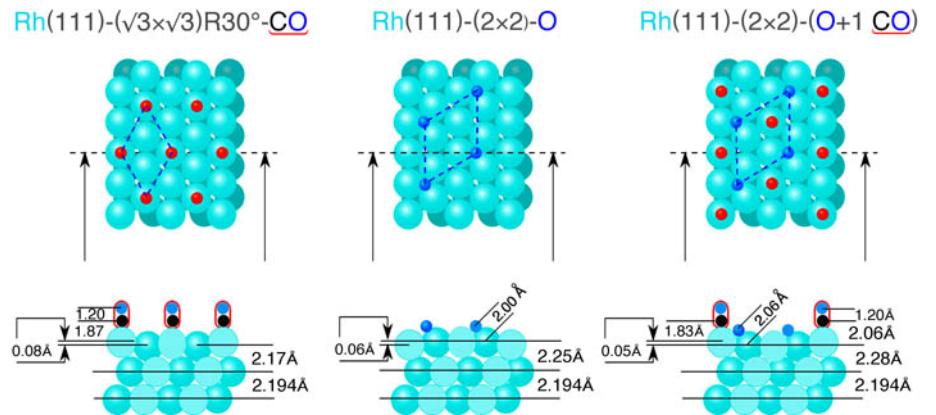
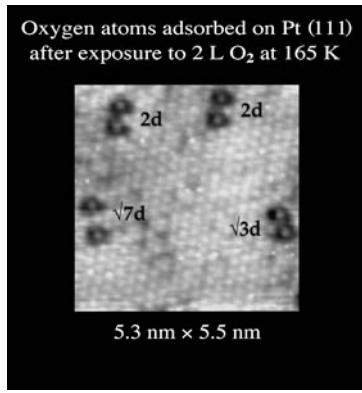


Fig. 16

Fig. 17

### CO<sup>cus</sup> + O<sup>cus</sup> → CO<sub>2</sub>/RuO<sub>2</sub>(110) : Reaction barrier

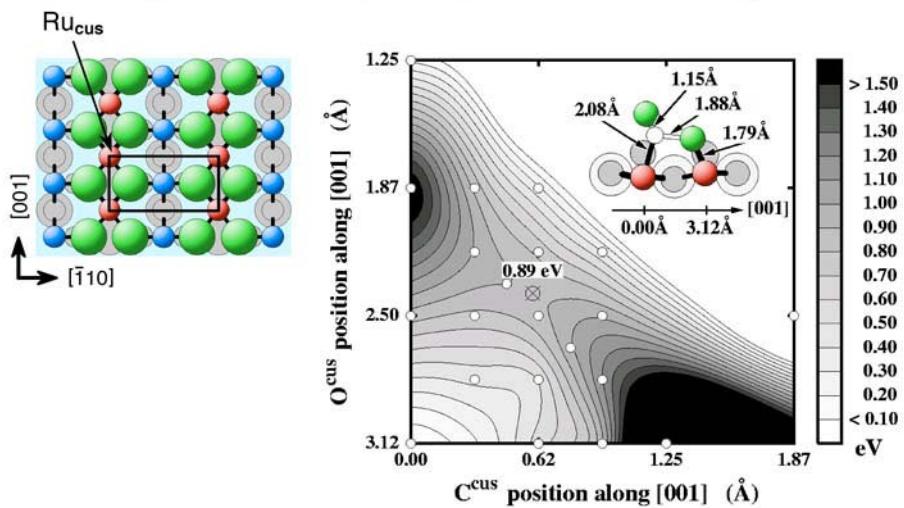


Fig. 18

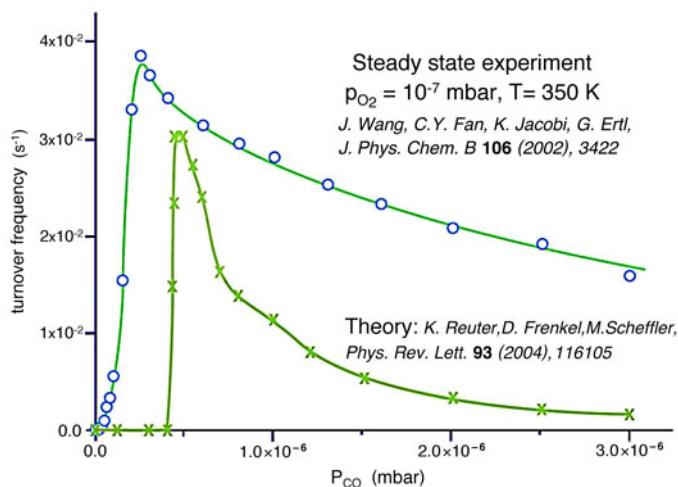


Fig. 19

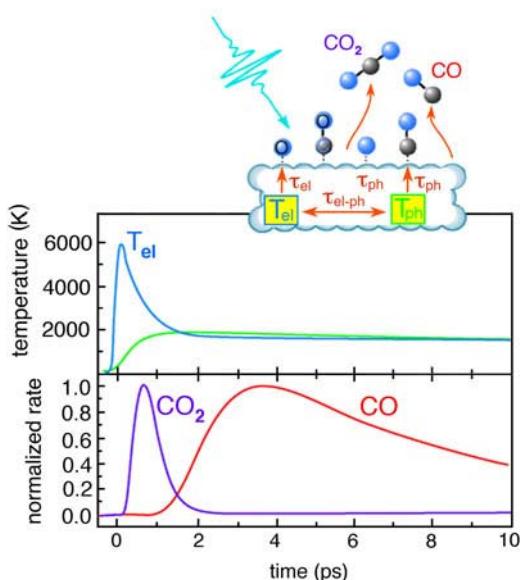


Fig. 20

Z. Elektrochem. **52** (1948), 149

### Über periodische chemische Reaktionen

Das anodische Verhalten von Kupfer in Salzsäure.  
K. F. Bonhoeffer und Heinz Gerischer.

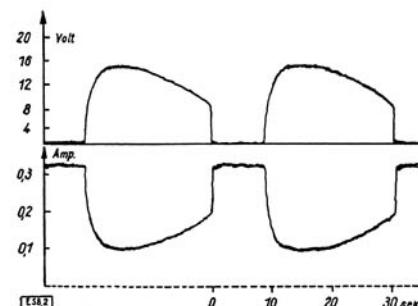


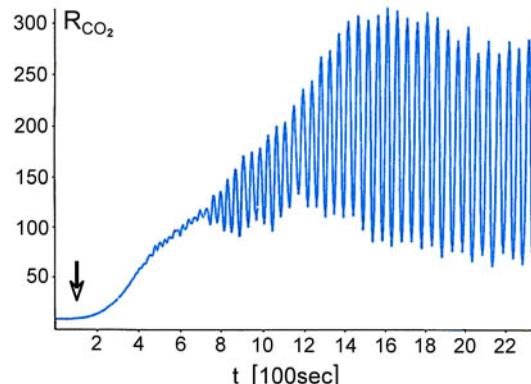
Fig. 21



H. Gerischer

1919 – 1994  
(I: 1948–1949, 1969–1994)

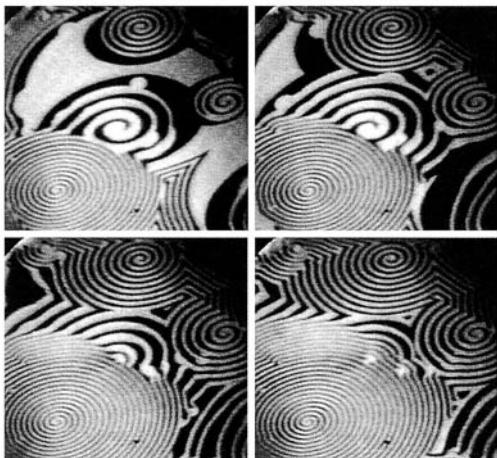
Fig. 22



$T = 470$  K;  $p_{\text{CO}} = 3 \times 10^{-5}$  mbar;  $p_{\text{O}_2} = 2.0 \rightarrow 2.7 \times 10^{-4}$  mbar

Fig. 23

Spiral waves during CO-oxidation on Pt(110)



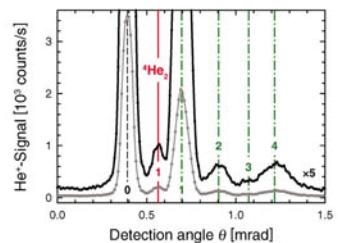
PEEM images with 500  $\mu\text{m}$  diameter, real time  
steady-state conditions:  $p_{\text{O}_2} = 4 \times 10^{-4}$  mbar,  $p_{\text{CO}} = 4.3 \times 10^{-5}$  mbar,  $T = 448$  K

**Fig. 24**

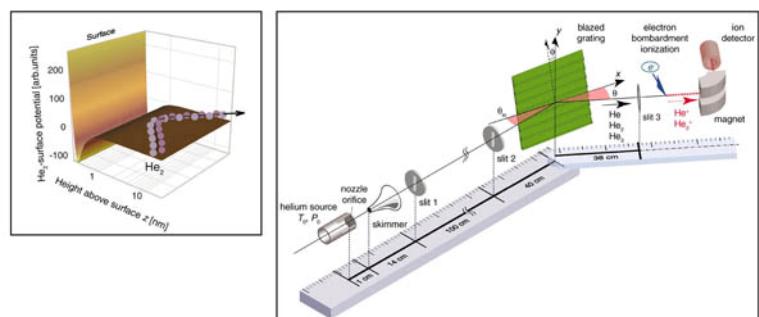
Science 331 (2011), 892

### Quantum Reflection of $\text{He}_2$ Several Nanometers Above a Grating Surface

Bum Suk Zhao,\* Gerard Meijer, Wieland Schölkopf



**Fig. 25**



### Anniversary March (Fritz-Haber-Jubiläumsmarsch)

Thomas Hennig

The musical score for 'Anniversary March' (Fritz-Haber-Jubiläumsmarsch) by Thomas Hennig consists of two staves. Klavier 1 (top staff) starts with a dynamic 'ff' and continues with various rhythmic patterns and dynamics including 'tr.....', 'ff', and 'tr..... f'. Klavier 2 (bottom staff) begins with 'Allegro ma non troppo' and follows a similar pattern with 'ff', 'tr.....', and 'f'. The music is in 4/4 time and includes several measures of sixteenth-note patterns.

**Fig. 26**