



# The Virtual Laboratory

Max-Planck-Institute for the History of Science, Berlin  
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[Stumpf, Carl]. n. d. [Folder] Versuchsprotokolle (Phonogr. Vokale).  
(Ethnologisches Museum Berlin SPK, Phonogramm-Archiv: Stumpf Papers -  
[Envelope] 17. Phonogr. Versuche)

Vereinsprotokolle  
(Phonogr. Vöckle)

1. Mai 1914 m. Herzg. u. Hb.  
Kreischg. u. 25 Wien
2. 1. VIII 14 m. Allexh. u. Kreischg.
3. Mai u. Juni 16 m. Hb. u. Weith.

Aufgenommen:

- 1. 100 g 01  
5. E  
10. (200 g) E
- 2. Cran 2 mal 70, 2 d  
a1 41 c)  
6. E
- 3. SW 250 181  
7. E 10  
9. " "  
11. (2.0) E 10
- 4. SW 512 181, 3 mal  
8) E 10

Reproduktum mit  
A <sup>4</sup> größer  
B mittlerer

gfr  
wfr  
1,0  
W.  
V (H C) V 2 7 C 3 (= f')  
20, 16 - u  
20  
el v r d e  
u - 3/4  
20  
D W 14 (H C)

C. gleicher  
wfr, zu, 10 2  
1.  
r C 1, 2 10 5 11.  
5.  
50, 16, 7 1. 10  
10  
7, zu 3 8 7. 50. 200, 200  
2.  
0. 50.  
6. 50, 20 5 10 5  
6.  
wfr 10 2  
3.  
wfr 2  
7.  
E 6 8 7.  
9.  
wfr  
11.  
wfr 10 2, wfr 10 2  
4.  
E 7  
8.

W. 10, 50 10, 10 10, 10 10. 10 3: 1'

V. N. 5 Nov 1/8.14

II. Aufnahme mit grüster Gerde. (Waly 2 & 3. u. 4)  
 (24 Serie Waly 3)

(2)  
(2)

Reproduktion mit <sup>ps. unter 4</sup>

A gleicher (grüster) B mittleren (3/4) C Kleiner Gerde.

1. 100g ct	<u>man-gara (essig Duod)</u>	<u>2870, 2000, 1000</u>	<u>Duod. 250, 566.</u>	1
2. 100g ct	1, 1000	1000, 2000	1, 200, 400, Duod. 6. 100	2
3. 200 250 (100)	100	1000	100	3
4. " 512 (")	<u>1000, 2000</u>	<u>1000, 2000</u>	Piton-v. 1000. 100	4
Aufnahme Dto 1/1 (Waly 3)				
1. 100g ct	Duod. 6, 566	1000 Duod.	Duod. 1, 1000	1
2. 100g ct	1, 1000	1, 1000	<u>1000, 1000, 1000</u>	2
3. 200 250	100, 200	1000	100	3
4. " 512	<u>1000</u>	1000 (3/4 100)	<u>1000, 1000</u>	4
5. 900 A, 1000	1000	1000	1000, 1000	5
6. " 1000 "	1000, 1000	1000	1000	6

1000 556 JA  
 1000 1000  
 1000 1000  
 1000 (1000)

1000 1000

1/8 14

Mit v. Alcest

v. Kocichauer

Reproduktion mit Geschehen:

9/16 - 5/9 (H. Sept)

4/9

cc 1/3  
unvollständig

(gleiche r) 3/4

C0  
C1  
C2  
C3  
C4  
C5  
F1  
F2

schwas nach Klarheit  
gut  
Zieml. gut

g<sup>1</sup>, g<sup>2</sup>, g<sup>3</sup>, g<sup>4</sup>  
g<sup>1</sup>, g<sup>2</sup>  
gut

d<sup>1</sup> / n. G., p, d  
d<sup>2</sup> x, d<sup>1</sup> d<sup>2</sup> - y, d  
d<sup>3</sup> z, n. b, b  
d<sup>4</sup> " , d<sup>1</sup> d<sup>2</sup> n. G.  
w. g<sup>0</sup>  
" g<sup>1</sup>

b<sup>1</sup>, b<sup>2</sup>, b<sup>3</sup>  
b<sup>1</sup>, b<sup>2</sup>, b<sup>3</sup>  
b<sup>2</sup> "  
b<sup>3</sup> "  
} unvollständig

A  
E  
O  
U  
Ac  
Oe  
Ue

} auf C0  
} auf C1

AO  
Oe, Ue  
F  
Oe  
Uo  
Oe  
Ov  
Jung

M. v. d., wo AO  
O " , Oe  
O " , Oe  
O " , Oe  
O " , Oe  
O " , Oe  
O " , Oe  
O " , Oe  
O " , Oe  
O " , Oe  
O " , Oe  
O " , Oe

} z. f. r. C<sup>1</sup>, C<sup>2</sup>, C<sup>3</sup>, C<sup>4</sup>  
Ov  
auf d<sup>1</sup>, d<sup>2</sup>, d<sup>3</sup>  
} z. f. r.

A  
E  
O  
U  
Ac  
Oe  
Ue

A  
Oe, Ue  
F  
O  
U  
} unvollständig

se O  
un, is, are  
O zu s c' is, b, b  
O u duodez er  
" O, Oe  
un, O zu of  
O is  
en O

Ov  
un  
O Ue  
O  
} unvollständig

Uhu  
Kakuk  
(18)

Zieml. gut  
weniger gut

Ehō, . Lre Sept  
terētēre

O Ohō



Repr. mit Gesetzen:

7/15		6/5	=	5/6		2/3	1/2																																						
co	—	—	—	co	—	—	—	co	—																																				
c1	fis <sup>7</sup> , f <sup>6</sup> G <sub>2</sub> , O	—	—	c1	—	—	—	c1	—																																				
c2	1/2 pro n <sub>2</sub>	e12	} 0, 1, 2	c2	—	—	—	c2	—																																				
c3	2/3 v <sup>2</sup>	e13		} 0, 1, 2	c3	q <sup>1</sup>	f <sup>2</sup>	} 1/2 =	c3	—																																			
c4	3/4 v <sup>2</sup>	e14			} 0, 1, 2	c4	q <sup>2</sup>		f <sup>3</sup>	} 1/2 =	c4	—																																	
c5	4/5 v <sup>2</sup> 1/2	e15				} 0, 1, 2	c5		q <sup>3</sup>		f <sup>4</sup>	} 1/2 =	c5	—																															
f1	2/3 v <sup>2</sup> 1/2	—					} 0, 1, 2		f1		q <sup>4</sup>		—	} 1/2 =	f1	—																													
f2	3/4 v <sup>2</sup> 1/2	—	} 0, 1, 2	f2	—	—		} 1/2 =	f2	—																																			
A	A o praecentis	AG <sub>2</sub>		} 5/6	A	A o	AO		} 2/3	A	—																																		
E	Eae	E o v, Eae	} 5/6		E	E o e	Oe	} 2/3		E	—																																		
J	J	J			} 5/6	J	J			Ue	} 2/3	J	—																																
O	O	O				} 5/6	O			O		Ou	} 2/3	O	—																														
U	U o	Uo					} 5/6			U		Uo		Oe	} 2/3	U	—																												
A	Ae	Ae o <sub>2</sub>								} 5/6		A		Ae o e		Oe	} 2/3	A	—																										
O	Oe-2	Oe a										} 5/6		O		Oe o		Oe gequetscht	} 2/3	O	—																								
U	U	Ue - E												} 5/6		U		Ue - E		Oe - E	} 2/3	U	—																						
A	Ae	Ae														} 5/6		A		Ae		Ue - E	} 2/3	A	—																				
E	E	E																} 5/6		E		Ei		Ue	} 2/3	E	—																		
J	J	J																		} 5/6		J		J		Jue	} 2/3	J	—																
O	O	O																				} 5/6		O		O		Ou	} 2/3	O	—														
U	U	U																						} 5/6		U		U		Oe	} 2/3	U	—												
A	Ae	Ae																								} 5/6		A		Ae o e		Oe	} 2/3	A	—										
O	Oe	Oe																										} 5/6		O		Oe o		Oe	} 2/3	O	—								
U	Ue	Ue																												} 5/6		U		Ue - E		Oe	} 2/3	U	—						
A	Ae	Ae																														} 5/6		A		Ae		Oe	} 2/3	A	—				
E	E	E																																} 5/6		E		Ei		Oe	} 2/3	E	—		
J	J	J																																		} 5/6		J		J		Oe	} 2/3	J	—
O	O	O																																				} 5/6		O		O		Oe	} 2/3
U	U	U		U	U	Oe		U	—																																				
A	Ae	Ae		A	Ae	Oe		A	—																																				
O	Oe	Oe		O	Oe	Oe		O	—																																				
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O	Oe	Oe		O	Oe	Oe		O	—																																				
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J	J	J		J	J	Oe		J	—																																				
O	O	O		O	O	Oe		O	—																																				
U	U	U		U	U	Oe		U	—																																				
A	Ae	Ae		A	Ae	Oe		A	—																																				
O	Oe	Oe		O	Oe	Oe		O	—																																				
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J	J	J		J	J	Oe		J	—																																				
O	O	O		O	O	Oe		O	—																																				
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U	Ue	Ue		U	Ue	Oe		U	—																																				
A	Ae	Ae		A	Ae	Oe		A	—																																				
E	E	E		E	E	Oe		E	—																																				



Summer 1916

with v. Hb., Waltham

IV Aufn. Vari 12 (Octave  $2^{nd}$   $3^{rd}$ )

Reproduktion mit Geschus:

2/1

3/2

=

$\frac{2}{3}$  ?  $\frac{3}{4}$  ?

c0  
c1  
c2  
c3  
c4  
c5  
f1  
f2  
A  
E  
J  
O  
U  
Ac  
Or  
U  
A  
E  
J  
O  
U  
Ac  
Or  
U

no bold  $\nu =$   
 c2, d, e, f  
 c3  
 c4 } d  
 c5 }  
 u Cm 30  
 } W, 100  
 A o W, 20, 6, 20  
 o, Ac  
 J o, E  
 A  
 u  
 A 20  
 Ac  
 J-E  
 A jed 20  
 o, Ac  
 J o, Or-E  
 A o, Or, 20  
 O  
 A  
 Ac  
 E

no bold of 200

no bold 200  
 f, u, d, 20  
 "  
 "  
 o " D. Oboe  
 A

sehr gut

no Reape, uo 20  
 - J, U

4.V.1916

Mei 1914  
 in. Abr. v. M.  
 Kreisgauer,  
 Dr. ... 62

Phonogr. Vokale  
 r e e

~~119~~

1. Abr. Nas.  $\text{c} \text{r} \text{g}$   $\text{e}$

g r u m b i r  
e a r i e  
u b g e u w i r e

a)  $\text{e} \text{g} \text{d}'$ : U = A u, I A = O  
 O = a A u  
 A = u Ä, y, h!  
 E = O (b. Herrin's Kildand = F a)  
 J = a u O (b. L. z. F a)

b) " g h : as d y f o u e i, O l o e m.

c) " g a s : " " U = u o r O  
 O = a A  
 A = A  
 E = A O  
 J = u

d) " g e : A n z a r U l o a r  
 E = A  
 J = u } e o e u l u d u d

e) " g d : o r c s u e

f) g h : s u e i n F ~ e f.

g) g e u r n A. g u t.

2. Abr. s. H b a u e l e r c r g  $\text{e}$  g r u

f i r e, u e z u v a i l o  
u a p f i r e f u e, y B u e r:

a)  $\text{P e p r. g} \text{ u e c} \text{c}'$ :  $\text{r} \text{g} \text{f} \text{l} \text{o} \text{s}$ : U = O u e  
 O = a A  
 A = e i  
 F = e u e } u e g r u d  
 u e z u v a i l o  
 u a p f i r e f u e

b) g a s : U = O A g u t  
 O = a u E u e  
 F = E

r u t e

c)  $g e : u \neq$   
 $\theta = A\theta$   
 $A = Au\theta$

$\varepsilon = \ddot{\theta}$   
 $\tau = \ddot{\theta}$

d)  $g \mathcal{H} : u \neq$   
 $\theta = u\theta$   
 $A = \text{gen. rel. } A\theta$

$\varepsilon = A v$   
 $\tau = \text{ev } A$

(cont  $u \neq \theta$  in c) is a, as  $\tau = \varepsilon' u \neq \theta$ ,  
 so  $g e \theta \neq \theta \neq \theta$ )