

[illegible]

	A	B	C	D	E	F	G	H	I	J
112										
113										
114										
115	VII. Bore diameters at Tone Holes									
116	f2	11.7							12.3	
117	e	12.5							13.4	
118	d	13.1							13.8	
119										
120	c	15.7							17	
121	b	16.6							17.6	
122	a	17							18.1	
123	g	19.2							20.5	
124	f1	21.5							23.1	
125										
126	e1	22.7	e1 tone hole bore diameter on long joint						24.5	
127	d1	25.5	d1 tone hole bore diameter on long joint						27.2	
128	c1	30.2	c1 tone hole bore diameter on long joint						30.3	
129										
130										
131										
132										
133										
134	VIII. Bell		Anon21 No tone hole on Bell							
135	bell logic	1	If bell logic = 0 ==> normal conical bore; if bell logic = 1 ==> inverted conical bore; if bell logic = 2 ==> bell expansion						1	
136	bell length (0, 1, 2)	346	total length of bell [lines 141 + 144 = line 136]						334	
137	bell bot bore (0, 1, 2)	32.7	dia bore at the bottom of bell [end with socket]						33.8	
138	bell top bore 0, (1, 0, 2)	28.2	dia bore at the top of bell [where low Bb exits]						30.9	
139	bell center bore (only for logic 2)		dia bore at max center of expansion							
140	bell wall (only for logic 2)		bell wall thickness, Just for David							
141	bell bot bore expansion (only for logic 2)		dist of bottom to maximum of expansion (including bell socket length, if bell logic=0 ==>100)							
142	Outside diameter of wood at expansion		Just for David							
143	bell tenon (0, 1, 0, 2)	41.7	bell socket length						41.2	
144	bell expansion length (only for logic 2)		distance of maximum expansion to top of bell [where Bb exits]							
145	bellfg	34.5	Anon21 has an ivory crown; about 10mm more than line 138						40	
146										
147										
148	IX. PITCH									
149	pitch	415	input the historical pitch of the bassoon, must input value, best guess						415	
150	freq init	380	Initial frequency range variable						380	
151	Delta frequency	2	frequency increment parameter						2	
152	Number of frequencies	60	number of frequencies to scan for min chi sq						60	
153	Frequency adjust	1.05	frequency adjustment parameter						1.05	
154	X. Title									
155	title		Bassoon Calculation: Anon21-O-Peebles-Wg1-WOB-DNM							
156										
157			Notes on long joint bore: Anon21 good							
158			Notes on boot joint bore: Anon21 normal, does not expand normally							
159	XI. Bore Diameter Locations		Notes on wing joint bore: Anon21 good							
160		18	Number of diameters						21	
161	Bell Bore	9.1	Initial bore diameter						9.7	
162	32.7mm dia. at socket	385	dist1; measured from the bottom of the wing joint- 10mm				1		475	
163	32mm rod 75mm from socket	315	dist2; measured from the bottom of the wing joint- 11mm				1		380	
164	31mm rod 160mm from socket	285	dist3; measured from the bottom of the wing joint- 12mm				1		335	
165	30mm rod 210mm from socket	190	dist4; measured from the bottom of the wing joint- 13mm				1		260	
166	29mm rod 305mm from socket	40	Anon21 vrfd gap; dist5; measured from the bottom of the wing joint- 14mm				1		152	
167	28.2mm dia.at bell end	0	dist6; measured from the bottom of the wing joint- 15mm	Bottom wing	15.1		1		90	
168		112	dist7; measured from the top of the bootjoint - small bore side- 16mm	top boot sm	15.2		2		0	
169		195	dist8; measured from the top of the bootjoint - small bore side- 17mm	top boot larg	21.9		2		110	
170		290	dist9; measured from the top of the bootjoint - small bore side- 18mm				2		180	
171		367	dist10; measured from the top of the bootjoint - small bore side- 19mm	sbore dia se	18.9		3		285	
172		325	dist11; measured from the top of the bootjoint - large bore side- 20mm	lbore dia seg	18.1		3		0	
173		240	dist12; measured from the top of the bootjoint - large bore side- 21mm				3		287	
174		555	dist13; measured from the top of the bootjoint - large bore side- 22mm				4		235	
175		508	dist14; measured from the top of the bootjoint - large bore side- 23mm				4		145	
176		418	dist15; measured from the top of the long joint- 24mm	li bot bore	21.6		4		560	
177		365	dist16; measured from the top of the long joint- 25mm				4		475	
178		302	dist17; measured from the top of the long joint- 26mm				4		382	
179		238	dist18; measured from the top of the long joint- 27mm				4		332	
180		224	dist19; measured from the top of the long joint- 28mm				4		285	
181		200	Anon21 vrfd small gap; dist20; measured from the top of the long joint- 29mm				4		175	
182		0	dist21; measured from the top of the long joint- 30mm				4		130	
183		0	dist22; measured from the top of the long joint- 31mm				4		80	
184		0	dist23; measured from the top of the long joint- 32mm	li top bore	31.3		4		22	