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TABLE III. (*continued*).

Deg.	Note.	Log.	Remarks.	Deg.	Note.	Log.	Remarks.
38″	‡a	·21645	T, P, t.	45‵	†♭	·25527	T, t.
38$\frac{4}{5}$	ƨ†a	·22040	P.	45$\frac{7}{9}$	ƨ‡♮	·26567	P.
39′	A	·22185	E, T, P, t.	47″	‡b	·26761	T, P, t.
39″	g×	·22234	H², t, s.	48	‡♮	·27251	t, s.
39$\frac{3}{4}$	‖a	·22577	et.	48′	B	·27300	E, H, T, P, t.
40‵	b♭♭	·22675	t, s.	48$\frac{7}{12}$	‖b	·27594	et.
40	†a	·22724	E², H, T, P, t.	49‵	♮	·27791	t.
41‵	††a	·23264	t.	49	†b	·27840	E², H², P, t, se.
42″	‡‡b♭	·23908	t.	50‵	††b	·28380	t.
42‴	‡a♯	·23958	T.	51″	‡‡c	·29024	t.
42$\frac{4}{5}$	ƨb♭	·24304	P.	51‴	‡b♯	·29073	T.
43′	‡b♭	·24448	P, t, s.	51$\frac{4}{5}$	ƨc	·29419	P.
43″	a♯	·24497	E, H, T, P, t.	52′	‡c	·29563	T, P, t.
44	b♭	·24988	T, P, t.	52″	b♯	·29612	E², H², P, t, s.
44′	†a♯	·25037	E², H², P, t, s.				
44$\frac{1}{6}$	‖a♯	·25086	et.				

January 28, 1864.

Major-General SABINE, President, in the Chair.

The following communications were read :—

I. "On the Osteology of the genus *Glyptodon*." By THOMAS HENRY HUXLEY, F.R.S. Received December 30, 1863.

In 1862 the author communicated to the Royal Society an account of the more remarkable features of the skeleton of a specimen of the extinct genus *Glyptodon* which had been recently added to the Museum of the Royal College of Surgeons; and he then promised to give a full description of the skeleton, illustrated by appropriate figures, in a memoir to be presented in due time to the Royal Society. The present communication consists of Part I., and Sections 1 and 2 of Part II., of the promised memoir. Part I. contains the history of the discovery and determination of the remains of the Hoplophoridæ, or animals allied to, or identical with *Glyptodon clavipes*. Part II. is destined to comprehend the description of the skeleton of *Glyptodon clavipes* (Owen)—*Hyplophorus Selloi*? (Lund); and the Sections 1 and 2 now given contain descriptions of the skull and the vertebral column.

The preliminary notice already published in the Proceedings (Dec. 18, 1862, vol. xii. p. 316) will serve as an abstract.

[*To face* p. 108.

Table IV.—Schismatic Equivalents.

	Whence	and
¶c = †B♯	¶ ‡c♭ = b	𝄫†c♯ = d♭
¶d = †c ×	¶ ‡‡d♭ = ‡c♯	𝄫 c × = ‡d
¶e = d ×	¶ ‡d♭ = c♯	𝄫 d♯ = e♭
¶f = †e♯	¶ e♭♭ = d	𝄫†d♯ = †e♭
¶g = †f ×	¶ ‡e♭ = ‡d♯	𝄫 e♯ = ‡f
¶a = g ×	¶ ‡f♭ = e	𝄫†e♯ = f
¶b = †a ×	¶ f♭ = †e	𝄫†f♯ = g♭
𝄫c = ‡d♭♭	¶ ‡g♭ = f♯	𝄫 f × = ‡g
𝄫d = e♭♭	¶ a♭♭ = g	𝄫 g♯ = a♭
𝄫e = ‡f♭	¶ ‡a♭ = ‡g♭	𝄫†g♯ = †a♭
𝄫f = ‡g♭♭	¶ ‡b♭ = a♯	𝄫 g × = a
𝄫g = a♭♭	¶ b♭♭ = †a	𝄫†a♯ = b♭
𝄫a = ‡b♭♭		𝄫†b = c♭
𝄫b = ‡c♭		𝄫 b♯ = ‡c
		𝄫†b♯ = c

Table V.—Related Systems.

	Major. I.	*Minor.* II.	Major. III.	*Minor.* IV.	MAJOR. V.	*Minor.* VI.	Major. VII.	*Minor.* VIII.	Major. IX.	*Minor.* X.	
1	C♭♭ E♭♭ G♭♭	a♭♭ c♭♭ e♭♭	A♭♭ ‡C♭ E♭♭	‡f♭ a♭♭ ‡c♭	‡F♭ ‡A♭ ‡C♭	‡‡d♭ ‡f♭ ‡a♭	‡‡D♭ ‡‡F ‡A♭	‡‡b♭ ‡‡d♭ ‡‡f			1
2	G♭♭ B♭♭ D♭♭	e♭♭ g♭♭ b♭♭	E♭♭ ‡G♭ B♭♭	‡c♭ e♭♭ ‡g♭	‡C♭ ‡E♭ ‡G♭	‡a♭ ‡c♭ ‡e♭	‡A♭ ‡‡C ‡E♭	‡‡f ‡a♭ ‡‡c			2
3	D♭♭ F♭ †A♭♭	b♭♭ d♭♭ f♭	B♭♭ ‡D♭ F♭	‡g♭ b♭♭ ‡d♭	‡G♭ ‡B♭ ‡D♭	‡e♭ ‡g♭ ‡b♭	‡E♭ ‡‡G ‡B♭	‡‡c ‡e♭ ‡‡g			3
4	†A♭♭ C♭ †E♭♭	f♭ †a♭♭ e♭	F♭ A♭ C♭	‡d♭ f♭ a♭	‡D♭ ‡F A♭	‡b♭ ‡d♭ ‡f	‡B♭ ‡‡D ‡F	‡‡g ‡b♭ ‡‡d			4
5	†E♭♭ G♭ †B♭♭	c♭ †e♭♭ g♭	C♭ E♭ G♭	a♭ c♭ e♭	A♭ ‡C E♭	‡f a♭ ‡c	‡F ‡A ‡C	‡‡d ‡f ‡a			5
6	†B♭♭ D♭ †F♭	g♭ †b♭♭ d♭	G♭ B♭ D♭	e♭ g♭ b♭	E♭ ‡G B♭	‡c e♭ ‡g	‡C ‡E ‡G	‡a ‡c ‡e			6
7	†F♭ †A♭ †C♭	d♭ †f♭ †a♭	D♭ F †A♭	b♭ d♭ f	B♭ ‡D F	‡g b♭ ‡d	‡G ‡B ‡D	‡e ‡g ‡b			7
8	†C♭ †E♭ †G♭	†a♭ †c♭ †e♭	†A♭ C †E♭	f †a♭ c	F A C	‡d f a	‡D ‡F♯ A	‡b ‡d ‡f♯			8
9			†E♭ G †B♭	c †e♭ g	C E G	a c e	A ‡C♯ E	‡f♯ a ‡c♯			9
10			†B♭ D †F	g †b♭ d	G B D	e g b	E ‡G♯ B	‡c♯ e ‡g♯	‡C♯ ‡E♯ ‡G♯	‡a♯ ‡c♯ ‡e♯	10
11			†F †A †C	d †f †a	D F♯ †A	b d f♯	B ‡D♯ F♯	‡g♯ b ‡d♯	‡G♯ ‡B♯ ‡D♯	‡e♯ ‡g♯ ‡b♯	11
12			†C †E †G	†a †c †e	†A C♯ †E	f♯ †a c♯	F♯ A♯ C♯	‡d♯ f♯ a♯	‡D♯ ‡F × A♯	‡b♯ ‡d♯ ‡f ×	12
13			†G †B †D	†e †g †b	†E G♯ †B	c♯ †e g♯	C♯ E♯ G♯	a♯ c♯ e♯	A♯ ‡C × E♯	‡f × a♯ ‡c ×	13
14			†D †F♯ ††A	†b †d †f♯	†B D♯ †F♯	g♯ †b d♯	G♯ B♯ D♯	e♯ g♯ b♯	E♯ ‡G × B♯	‡c × e♯ ‡g ×	14
15			††A †C♯ ††E	†f♯ ††a †c♯	†F♯ †A♯ †C♯	d♯ †f♯ †a♯	D♯ F × †A♯	b♯ d♯ f ×	B♯ ‡D × F ×	‡g × b♯ ‡d ×	15
16			††E †G♯ ††B	†c♯ ††e †g♯	†C♯ †E♯ †G♯	†a♯ †c♯ †e♯	†A♯ C × †E♯	f × †a♯ c ×	F × A × C ×	‡d × f × a ×	16
17			††B †D♯ ††F♯	†g♯ ††b †d♯	†G♯ †B♯ †D♯	‡e♯ †g♯ †b♯	†E♯ G × †B♯	c × †e♯ g ×	C × E × G ×	a × c × e ×	17
	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	