PLATE VII.

PSAMMINIDÆ.

Figs. 1A-1D. Psammina plakina, n. sp. (p. 35).

	- 6		•	•					D	iam.
Fig. 1A.	Facial view of the discoidal spor	ige, .				•		•	×	5
Fig. 1B.	Marginal view of the same,					•	•		×	5
Fig. 1C.	Vertical section through the disc (osculum); <i>i</i> , inhalent openin segmentation); <i>x</i> , xenophya <i>x''</i> , lower plate of the same,	oidal sponge. ngs (dermal po (<i>Globigerina</i> sl	g, its res); k, hells); :	gastral c flagello-c x', upper j	avity ; <i>o</i> , hambers plate of th	exhaler ; <i>e</i> , eggs 10 pseud	nt openi (partly o-skeletc	ng in on;	×	70
Fig. 1D.	A small portion of the same secti	on; more high	ly mag	nified. (Character	s as in fi	g. 1C,		×	200
Figs, 2A-2D. Psammina globigerina, n. sp. (p. 36).										
Fig. 2A.	Facial view of the discoidal spor	nge (superior	face).	The who	le surface	e is prot	ected by	a		
U	carapace composed of Globig	erina shells,	,		•	•	•	•	×	20
Fig. 2B.	Marginal view of the same, exhibited edge of the discoidal sponge,	iting the coror	na of ex	halent op	enings (<i>o</i>)	, on the	periphe	ral	×	20
Fig. 2C.	Horizontal section through the d symbiotic Hydroid, expande cortical plates, .	liscoidal sponged in the med	ge, exhi dullar e	biting th ubstance,	e radiati betweer	ng netw the tw	ork of t vo paral	he lel	×	20
Fig. 2D.	A portion of the medullar par- hydrochloric acid. Two dif canals of the sponge, not a canals of the symbiotic Hydr	enchyma, afte fferent branch nastomosing (roid (h) . The	r the r ed can c), and maltha	emoval o ul-systems the dar includes	f the ca are visi k greenis some Ra	lcareous ble, the h brow diolarian	shells yellow n reticu n tests (a	by ish lar r),	×	200
Fig. 3. Psammina nummulina, n. sp. (p. 37).										
Fig. 3.	After removal of the upper derm network (h) of the symbiotic	al plate, the hydrorhiza (A	soft me Stylactis	dullar di ?) is exp	sc is vis anded,	ible, in	which (the	×	4
Figs. 4A, 4B. Psammopemma radiolarium, n. sp. (p. 41).										
Fig. 4A.	Lateral view of the sponge,								×	2
Fig. 4B.	Basal view of the same, .					•			×	2
Fig 5 Promonoming aclogram in on (n 41)										
Fig. 5. The turbinate sponge seen half from above half from the lateral side										3
	Fign 6A 6D	Holonoomuu			. (20)			•	'n	0
Fig 64	Lateral view of the sponge . o. o	Hotopsamma (argulac	<i>eum</i> , n. s	p. (p. 39)	•				0
Fig. 6R	Vertical section through the apor	an arbibiting				• • • • • • • • •	•		×	4
rig. ob.	x, xenophya, .	· · ·				na then	· oscula (<i>o</i>). •	×	5
Figs. 7A-7C. Holopsamma cretaceum, n. sp. (p. 39).										
Fig. 7A.	Superior view of the sponge, dra	wn by Miss T	raill,		. /				nat	. size
Fig. 7B.	Inferior view of the same,		•			•	•		nat	. size
Fig. 7C.	A branched canal of the sponge, i	isolated after th	le remo	val of the	calcareou	ıs pseud	o-skeleto	on,	×	20