

DIATOMS No.5

1 - 79

WALKER-ARNOTT SLIDE COLLECTION BOOK N°5

Transcribed by C. P. Rawcliffe

P = Pritchard (1861) V = Van Landingham (I-VI) 1975

Unmarked = W. Smith vols. 1 & 2 (1853-1856)

TRAY 32 MIDDLE cont.

S238	Ulverstone	3161	Pinnularia radiosa	16.01.02 cont.
	cont. from Book 4			
S238	- ^h	3147	Pinnularia radiosa	
			Nav } remainder in pencil, erased	
			Gomph }	
S239	Cumbræ	78	Achnanthydium lanceolatum	
			Navicula cryptocephala	
S239	- ^h	E477	Achnanthydium lanceolatum	
S240	Ulverstone	E478	Biddulphia aurita	
			Synedra affinis	
S240	- ^h	3990	Synedra affinis	
			Biddul blank	
S240	- ^h	1277	Eupodiscus radiatus	
			Biddulph blank	
			Synedra affinis	
S240	- ^h	343	Biddulphia aurita var.	
			Synedra affinis	
			Doryphora amphiceros	
S240	- ^h	341	Biddulphia aurita β ? n.sp	
			Synedra affinis	
S241	Isle of Man	E479	Synedra gallionii	P788
S241	- ^h	4069	Synedra gallionii	
S243	Haverfordwest	1182	Eunotia arcus	
			Meridion constrictum	
S244	- ^h	E480	Surirella amphioxys	
			Pinn blank	
			Cymbella ventricosa	P877

Cont on p. 2

TRAY 32 BOTTOM cont.

S444	Haverfordwest	862	Cymbella ventricosa C. amphicephala P876 Nav blank Surirella amphioxys Two Slides Missing
S244	Haverfordwest	TRAY 33	TOP
S244	Haverfordwest	3717	Surirella amphioxys Nav. blank Cymbella ventricosa
S244	-L	3091 & footnote	Pinnularia deletion/erasure Surirella amphioxys Cymbella ventricosa Pinnularia radlosa var ? Cymbella ventricosa
S244	-L spring	3096	Pinnularia mutabilis Cymbella ventricosa Surirella amphioxys Navicula gibberula
S245	-L wall	2869	Orthonosira mirabilis Navicula tumida Pinnularia latestrata Achnantheridium coarctatum
S245	-L - -	2873	Orthonosira mirabilis Navicula tumida Achnantheridium coarctatum
S245	-L	64	Achnantheridium coarctatum Navicula pusilla Orthonosira mirabilis
S246	Liverstone	1914	Meridion giakenii M. circulare
S247	Haverfordwest	2872	Orthonosira mirabilis Navicula tumida Achnantheridium coarctatum

TRAY 3 TOP cont.

S247	Haverfordwest	2872	Nitzschia amphioxys	
		cont	/	
S247	-L	65	Achnantheidium coarctatum	
			Navicula tumida	
S247	-L	E481	Navicula pusilla	
			Achnantheidium coarctatum	
S248	Milford Haven (from Oysters)	E482	Eupodiscus crassus	
TRAY 33			MIDDLE	
S248	Milford Haven (from Oysters)	1269	Eupodiscus crassus	
			Coscinodiscus radiatus	
S249	Carmyle	1188	Eunotia arcus	
			Gomphonema curvatum	P888
S249	-L	1450	Gomphonema curvatum	
S250	Lightburn Glasgow	1023	Diatoma vulgare	
S251	Cork Harbour	178	Amphiprota elegans	P922
			Synedra undulans	
S251	-L	2663	Nitzschia ? insignis	V3120
			N. spectabilis	
			Synedra undulans	
S251	-L	136	Amphipleura sigmoidea	
			Nitzschia spectabilis	
			Bacillaria paradoxa	
			Synedra undulans	
S251	-L	2669	Nitzschia spectabilis	
			Amphipleura sigmoidea	
			Bacillaria paradoxa	
			Synedra undulans	
S251	-L	2214	Navicula lyra	
			Amphipleura sigmoidea	
			Bacillaria paradoxa	
			Nitzschia blank	

cont. on 4

TRAY 33 MIDDLE cont.

S251	Cork Harbour	2667	Nitzschia socialis [= N. gregorii Sm?] NOT IN VAN N. angularis	V3116
S251	-L	E483	Synedra undulans Nitzschia spectabilis N. socialis Amphiprora elegans Amphipleura sigmoidea	
S252	Barley Lough, Cork	1006	Diatoma grande Gomphonema rostratum	see P890
			TRAY 33 BOTTOM	
S252	Barley Lough Cork	1200	Eunotia diadema Gomphonema rostratum Diatoma grande	
S252	-L	1471	Gomphonema elongatum G. rostratum Diatoma grande	
S252	-L	1524	Gomphonema rostratum G. ? G. elongatum Diatoma grande	
S252	-L	1525	Gomphonema rostratum (G. nasutum? kg) G. elongatum Diatoma grande	
S252	-L-	E484	Gomphonema elongatum G. rostratum G. nasutum? Diatoma grande	
S253	Lough Avaul, Cork	E485	Gomphonema subtile Epithemia rupestris Cont. on p 5	

TRAY 33 BOTTOM cont.

S253	Lough Avala	1136	Epithemia rupestris Gomphonema subtile	
S253	↳ (Glengarriff)	1246	Eunotia tetraodon Epithemia rupestris Gomphonema subtile	
S254	Castlecary	1137	Epithemia rupestris Pinn blank	
S254	Castle	3012	Pinnularia gracillima Epithemia rupestris	
S254	↳	E486	Pinnularia gracillima Epithemia rupestris One Slide missing	
		TRAY 34	TOP	30.1.02
S255	Maragansett Bay on Sargassum vulgare	E487	Toxarium undulatum B (Synedra undulata Sm)	V4005
S255	↳	3965	Toxarium undulatum B (Synedra Sm)	
S256	Deposit from Willington Co. U.S.A	4460	Diatomaced	
S256	↳	1213	Eunotia falx E. tridentula	V1519 V1613
S257	Duval's Creek, Florida	E488	Terpsinoe musica Navic (Staur. maculata) B	V3979 P914
S257	↳	4272	Terpsinoe musica Campylodiscus cribrosus Navicula punctulata	V641
S257	↳	2453	Deposit from D's Creek	
S257	↳	2306	Navicula punctulata Terpsinoe musica	
S257	↳	2452	Navicula (Staur. maculata) Terpsinoe musica	

Cont. on 6

TRAY 34 TOP cont.

S258	Carmyle	1438	Gomphonema constrictum G. acuminatum Synedra lunaris var.
S258	-	4229	Synedra radians Gomphonema constrictum
S259	Somerset	2443	Navicula blank Pleurosigma attenuatum
			30.1.2002
		TRAY 34	MIDDLE
S260	Bed of Turmett	1476	Gomphonema geminatum Tetracyclus emarginatus
			Achnan. omitted P806
S260	-	4268	Tetracyclus emarginatus Gomphonema geminatum Achnanthes excilis
S261	-	4269	Tetracyclus emarginatus Gomphonema geminatum Achnanthes excilis
S261	-	E489	Tetracyclus emarginatus Achn (?m)
S262	-	E490	Gomphonema geminatum Achnanthes excilis Cymbella truncata
			P877
S262	-	22	Tetracyclus emarginatus Gomphonema geminatum Achnanthes excilis
			* poor note
S262	-	22	Tetracyclus emarginatus Gomphonema geminatum Cymbella truncata Achnanthes excilis Tetracyclus emarginatum Gomphonema geminatum
			cont. on 7

TRAY 34 MIDDLE cont.

S263	Glen Farg	4191	Synedra ulna Nitzschia linearis Odontidium mesodon O. hyemale ? heading F.v. "diluted"
S263	-L	2568	Nitzschia linearis Synedra radians Odontidium mesodon
S263	-L	2785	Odontidium mesodon O. hyemale Synedra radians
S264	Kinross	E491	Fragilaria capucina
S264	-	2872	Odontidium and figure Fragilaria capucina
S264	-L	1321	Fragilaria capucina var. valve obtusa
		TRAY 34	BOTTOM
S265	Kinross	2038	Navicula cuspidata Stauroneis dilata
S266	Finnisry L. Leven	1099	Epithemia gibba
S267	-	792	Cymbella helvetica Epithemia gibba var.
S268	-L	4658	Diatomacea
S269	Roe Is. U'srone	1583	Grammatophora subtilissima
S270	-	1047	Doryphora ampiceras
S271	Glen Tier, lodge	1112	Epithemia hyndmani E. proboscidea Gomphonema geminatum
S271	-L	E492	Epithemia hyndmani E. proboscidea Gomphonema geminatum Cont. on 8

TRAY 34 **Bottom** cont.

S272	Fell End	1654	Himantidium pectinale var Odontidium mesodon Tabellaria flocculosa
S273	Silverdale, Lancs.	2497	Nitzschia amphioxys Pinnularia latestriata
S273	-ll-	3070	Pinnularia latestriata (borealis) Nitzschia amphioxys Cymbella obtusa
S273	-ll-	1764	Mastogloia grevillei Pinnularia latestriata Nitzschia amphioxys
<hr/>			
		TRAY 35 TOP	6.2.02
S273	Silverdale	822	Cymbella obtusa Pinnularia latestriata Nitzschia amphioxys
S273	-ll-	1097	Epithemia gibba var. Pinnularia latestriata
S274	Finniry, L. Leven	795	Cymbella helvetica Epithemia gibba
S274	-ll-	1098	Epithemia gibba var Coecconema cymbiforme Cymbella scotica
S275	Hunthill Elchies	3101	Pinnularia nobilis P. dactylus P. major P. nodosa
S275	-ll-	1432	Gomphonema capitatum Y Pinnularia nobilis P. dactylus P. nodosa Surirella nobilis S. biseriata

cont. on 9

TRAY 35 TOP cont.

S275	Hunthill, spring	2946	Pinnularia briceps Y O P. nodosa	
S275	Elchies	E493	Pinnularia nodosa P. anceps P. major	} black
		E494	Pinnularia dactylus P. nobilis P. major	
			Sutirella nobilis	
S276	-H Hunthill	3816	Sutirella nobilis S. biseriata Pinnularia nobilis P. dactylus P. major	
S276	-H	3102	Pinnularia nobilis P. major P. dactylus Sutirella nobilis	
S276	Urswick Tarn not in w/s	4022	Syneora capitata S. radians	unknown letters

TRAY 35 MIDDLE

S277	Lincolnshire	E495	Gomphonema insigne (Gres) Navicula blank Cyclotella operculata Tryblionella angustata Denticula tenuis Cymbella helvetica	P891
S277	-H-	2451	Navicula laevissima Gomphonema capitatum Cyclotella operculata Tryblionella angustata Denticula obtusa (? tenuis overwritten) Cymbella helvetica	

Cont. on 10

TRAY 35 MIDDLE cont.

S277	Lincolnshire	700	Cyclotella operculata Tryblionella angustata Cymbella helvetica Gomphonema insigne Navicula blank Denticula tenuis
S277	-L	911	Denticula obtusa Cyclotella operculata Navicula blank Tryblionella angustata Cymbella helvetica Gomphonema insigne
S277	-L	796	Cymbella helvetica Navicula blank Tryblionella angustata Cyclotella operculata Gomphonema insigne Denticula tenuis
S277	-L	4319	Tryblionella angustata (small) Gomphonema insigne Navicula blank Cyclotella operculata
S278	Redesdale	1085	Epithemia argus E. ocellata Cymbella blank Navicula blank
S278	-L	1782	Mastogloia smithii Cymbella blank Navicula blank
S278	-L	1779	Mastogloia smithii var.
S278	-L (Birdhope)	1129	Epithemia ocellata E. argus Cont. on 11

TRAY 35 MIDDLE cont.

5278	Redesdale (Birdnope)	1129 cont.	Cymbella scotica C. aqualis var. C. affinis
5278	-L-	923	Denticula sinuata Mastogloia smithii Cymbella aqualis
5278	-L-	926	Denticula n.sp. ✓ D. sinuata Mastogloia smithii Cymbella (like Navicula angustata)
TRAY 35 BOTTOM			
5278	Birdnope, Redesdale	2442	Navicula bacillum ? G ✓2426 Cymbella aqualis Mastogloia smithii M. Grevillii Odontidium harrisonii
5278	-L-	2652	Epithemia ocellata Nitsochia sigmoidea Navicula scita ✓2787 Cymbella Mastogloia smithii Odontidium harrisonii
5278	-L-	1949	Epithemia ocellata Navicula angustata N. scita Cymbella affinis Mastogloia smithii Odontidium harrisonii B
5278	-L-	E496	Epithemia ocellata E. argus Navicula angustata N. scita Mastogloia smithii Odontidium harrisonii B

TRAY 35 BOTTOM cont.

S 278	Birdhope, Redesdale	E 496	Epithemia argus cont.	/
S 278	-	4481	Diatomaceae	
S 279	Peterhead dep	1161	Epithemia turgida Navicula semen?	
S 279	-	1931	N. amphirhyncus Navicula amphirhyncus N. semen?	✓ 2405
S 279	-	2406	Cymbella ehrenbergii Navicula stabilis (= Amphiprova navicularis Ehr) P 923 N. semen	✓ 2828
S 279	-	2408	N. pusilla Cyclotella antiqua Cymbella ehrenbergii Navicula stabilis N. semen	✓ 2754
S 279	-	764	Cymbella cuspidata C. ehrenbergii C. turgida W.G. Navicula semen	
S 279	-	2379	Pinnularia major P. oblonga Navicula semen Sm. N. varians Eh. Cymbella ehrenbergii	
			ONE SLIDE MISSING	
			TRAY 36 TOP	
S 279	Peterhead Dep	4670	Diatomaceae	
S 279	-	4455	Diatomaceae	
		3082	Pinnularia major Sm P. mobilis ? Cymbella ehrenbergii	

TRAY 36 TOP cont.

S279	Peterhead Dep	3082	Epithemia blank	
		cont.		
S279	-	1162	Epithemia turgida E. zebra Pinnularia major Sm	
S279	-	777	Cymbella ehrenbergii Cymbella ehrenbergii C. apiculata var C. maculata scarce Pinnularia oblonga Navicula semen Epithemia turgida	
S279	-	E497	Cymbella maculata in tab non descr C. ehrenbergii Navicula semen N. stabilis N. ?	
S280	-	2807	Odontidium mutabile O. tabellaria Cyclotella antiqua	
S280	-	2813	Odontidium tabellaria O. mutabile Cyclotella antiqua	
S280	-	2326	Navicula pusilla N. semen	
S280	-	4571	Peterhead deposit light	13.02.02
S280	-	2470	Navicula mutabilis N. semen N. laevissima N. dicephala Cyclotella antiqua	Condon 14

TRAY 36 TOP cont.

S280	Peterhead Deposit	2184	Navicula laevissima var. N. semen N. dicephala Cyclotella antiqua
TRAY 36 MIDDLE			
S280	Peterhead Deposit	806	Cymbella maculata intab min C. ehrenbergii C. cuspidata ? Cyclotella rotula Navicula semen N. dicephala
S280	-ll	2378	Navicula semen (N. (P.) varians W.G.) Cyclotella antiqua Pinn n.sp. ? Cymbella ehrenbergii Epithemia cuspidata
S280	-ll	2380	Navicula semen Sm. (N. (P.) varians W.G.) Pinnularia n.sp. Cymbella ehrenbergii C. cuspidata Epithemia n.sp.
		E498	Cyclotella antiqua Navicula semen Cymbella ehrenbergii C. cuspidata Pinnularia n.sp. Epithemia n.sp.

Cont. on 15

TRAY 36 MIDDLE cont.

S280	Peterhead Deposit	661	Cyclotella antiqua Melosira nivalis Odontidium tabellarica Cymbella ehrenbergii
S281	Kurcknacullen	1939	Navicula amphisbaena
S283	N. Mountain N.S.	E499	Stauroneis baileyi Navicula semen
S283	-L	3873	Stauroneis baileyi
S283/4	-L	4143	Diatomacea
S283	-L heavy	2405	Navicula amphisbaena N. viridis Ehr. Stauroneis baileyi
S284	-L	1933	Navicula amphisbaena Ehr. Stauroneis baileyi
S285	-L	2238	Navicula murica K (with false stauros)

Note: S282, Ulverstone, missing

TRAY 36 BOTTOM

S286	Haverfordwest	2494	Nitzschia amphioxys Pinnularia stauroneiformis
S286	-L	3167	Pinnularia stauroneiformis Nitzschia amphioxys
S287	-L	E500	Surirella amphioxys S. blank
S287	-L	3844	Surirella splendida S. amphioxys S. ovata Terracyclus lacustris
S287	-L	3760	Surirella amphioxys
S288	Caermarthen	4176	Synedra tenera Gomphonema tenellum Cymbella cuspidata

Cont. on 16

TRAY 36 BOTTOM cont.

5288	Caermarthen	1534	Gomphonema tenellum Cymbella cuspidata Synedra fasciculata
5288	Caermarthen	765	Cymbella cuspidata Gomphonema tenellum Synedra fasciculata striae fine
5288	- -	E501	Synedra tenera Sm. Nitzschia palea Gomphonema tenellum
5289	Haverfordwest	1384	Fragilaria virescens
5291	Luneberg Deposit	812	Cyclotella minutula Ordnosira arenaria Cymbella ehrenbergii
ONE SLIDE MISSING (MAY BE 5290)			
		TRAY 37 TOP	20.02.02
5291	Lunenburg	2908	Ordnosira tenuis Cyclotella minutula
5292	Ulverstone	57	Achnanthes subsessilis Mastogloia danseii Pinnularia peregrina
5292	Ulverstone	3124	Pinnularia peregrina Mastogloia danseii Achnanthes subsessilis
5292	- -	E502	Mastogloia danseii Pinnularia peregrina Achnanthes subsessilis
5293	Exmouth	E503	Diatoma minimum Licmophora flabellata
5293	- -	1011	Diatoma minimum Licmophora flabellata
5293	- -	1741	Licmophora splendida Gr. Diatoma minimum, scarce

Cont. on 17

TRAY 37 TOP cont.

S294	Haverfordwest	3159	<i>Pinnularia radiosa</i>	
S295	Neyland, S. Wales	3090	<i>Pinnularia mutabilis</i> W.G. var	V. 3283
S296	Carmarthen, bog	3913	<i>Stauroneis gracilis</i>	
S296	—	752	<i>Cymbella amphicephala</i> <i>Stauroneis gracilis</i>	P 876
S297	Neyland (H'west)	3724	<i>Sutirella angusta</i> S. <i>minuta</i>	
TRAY 37			MIDDLE	
S298	Carmarthen (bog)	2024	<i>Navicula crassinervia</i> N. <i>coeconeiformis</i> N. <i>laevissima</i>	
S298	—	2183	<i>Navicula laevissima</i> N. <i>coeconeiformis</i> N. <i>crassinervia</i>	
S298	—	4406	<i>Pinnularia nodosa</i> K Diatomaceae	
S298	—	2068	<i>Navicula dicephala</i> N. <i>coeconeiformis</i> N. <i>laevissima</i> N. <i>bacillaris</i> W.G.	
S298	—	1975	<i>Pinnularia gibba</i> P. <i>nodosa</i> P. <i>divergens</i> <i>Navicula bacillaris</i> Gr. N. <i>laevissima</i> N. <i>coeconeiformis</i>	
S298	—	2007	<i>Pinnularia gibba</i> (?) <i>Navicula coeconeiformis</i> N. <i>bacillaris</i> W.G. N. <i>laevissima</i> <i>Pinnularia gibba</i> (?)	

Cont. on 18

TRAY 37 MIDDLE cont.

S298	Carmarthen, bog	2007	Pinnularia divergens
		cont	
S298	-L	2930	Pinnularia acrosphaeria (K or WS)
			P. divergens
			P. nodosa
			Navicula cocconeiformis
			N. dicephala
			N. laevissima
			N. bacillaris WG
S298	-L-	3118	Pinnularia nodosa
			P. gibba (?)
			P. divergens
			Navicula cocconeiformis
			N. dicephala
			N. laevissima
			N. bacillaris WG.
S298	-L	E504	Navicula cocconeiformis
			N. dicephala
			N. laevissima
			N. bacillaris W.G
			Pinnularia gibba (?)
			P. nodosa
			P. divergens
S299	Haverfordwest	579	Colleronema vulgare
			Synedra ulna
			S. (?)
			Diatoma elongatum
S299	-L	4192	Synedra ulna
			Colleronema blank
			Diatoma elongatum
S299	-L	995	Diatoma elongatum var
			Synedra fasciculata
			Colleronema vulgare

TRAY 37 BOTTOM

S299	Haverfordwest	985	Diatoma elongatum var Synedra fasciculata Colletonema vulgare
S299	-L	4179	Synedra tenera Diatoma elongatum var Colletonema vulgare
S299	-L	4178	Synedra tenera Sm S. ulna Diatoma elongatum var Colletonema vulgare
S299	-L	E505	Synedra ulna Colletonema vulgare Meridion circulare
S300	Carmarthen, bog	E506	Meridion constrictum Surirella tenera Navicula firma var Fragilaria virescens
S300	-L	1901	Meridion constrictum Fragilaria virescens Navicula firma v
S300	-L	3860	Surirella tenera Navicula firma var Fragilaria virescens Meridion constrictum
S300	-L	2105	Navicula firma var (affinis Sm) Surirella tenera
S300	-L	1328	Meridion constrictum Fragilaria virescens Fragilaria capucina F. virescens Navicula affinis Surirella tenera

Cont. on 20

TRAY 37 BOTTOM cont.

S300	Carmarthen, bog	1328	Meridion constrictum	
		cont.		TWO SLIDES
S300	-L	1920	Navicula affinis var	MISSING
		TRAY 38	TOP	
S301	Carmarthen, bog	3174	Pinnularia stauroneiformis	V3310
			Meridion constrictum	
			Fragilaria virescens	
			Navicula firma	
S302	Haverfordwest	2563	Nitzschia linearis	
S303	-L	2560	Nitzschia linearis	
			Colletonema blank	
S304	-L	1485	Gomphonema geminatum	
S304	-L	E507	Gomphonema geminatum	
S305	-L	4124	Synedra pulchella	
S306	-L	4126	Synedra pulchella	
S307	Jersey	4070	Synedra galkionii	
			Grammatophora marina	
S308	Vict. Tank Kew	2472	Navicula cryptocephala ?	
			Stauroneis excilis ?	
			Diadesmis peregrina	P923
S308	-L	3901	Stauroneis excilis KG	
			Denticula decipiens	V1971
			Diadesmis peregrina	
			Gomphonema n.sp	
S308	-L	4656	Diatomaceae (light)	
				ONE SLIDE MISSING
		TRAY 38	MIDDLE	
S309	Ichaboe Guano	4235	Synedra blank	
S310	Ulverstone	4190	Synedra ulna	
			Sutirella crumena	
			Cymbella maculata	
			Cocconeia cistula	P878

Cont. on 21

TRAY 38 MIDDLE cont.

S310	Ulverstone	3764	Surirella crumena Synedra ulna Cymbella maculata Cocconema cistula C. cymbiforme	P.878 P.878
S310	-	861 x footnote	Cymbella maculata defeted and (ventricosa) substituted	
S310	-	E508	Cocconema cistula Cymbella maculata Surirella crumena Synedra ulna	
S311	- brackish	E509	Surirella crumena var	
S311	-	3765	Surirella crumena var	
S312	Roa Island Pier	E510	Campylodiscus parvulus Nitzschia sigma	
S312	-	2638	Nitzschia sigma Campylodiscus parvulus	
S312	-	418	Campylodiscus parvulus Nitzschia sigma	
S313	Cumberland Deposit Olatman Mt'nain	1606	Himantidium bidens H. gracile Eunotia diadema	V1505
S313	-	1627	Himantidium gracile H. bidens Eunotia diadema	
S313	Olatman Mountain Deposit; Coniston	TRAY 38 1197	BOTTOM Eunotia diadema E. tetraodon	

Cont. on 22

TRAY 38 BOTTOM cont.

27.2.02

S313	Olatnan, Coniston	E511	Eurotia academa Petrodon Himantidium gracilis H. arcus H. bidens	
S314	Haverfordwest	828	Cymbella scotica	
S315	-	1647	Himantidium pectinale	
S316	-	4170	Synedra tenera	
S317	-	2482	Nitzschia acicularis Synedra tenera	
S318	-	2619	Nitzschia plana Pleurosigma spenceri Synedra gallionii	P919 P788
S318	-	2615	Nitzschia plana Tryblionella gracilis Surirella crumena S. linearis var. Pleurosigma lacustre	
S318	-	4355	Tryblionella gracilis var Nitzschia plana Surirella crumena S. linearis Pleurosigma lacustre	
S318	-	4353	Tryblionella gracilis Nitzschia plana Surirella crumena var Pleurosigma lacustre	
S318	-	4554	Diatomacea	
				One Slide missing

TRAY 39 TOP

5318	Haverfordwest	4352 & footnote	Tryblionella gracilis Surirella crumena Nitzschia plana N. sigma Pleurosigma lacustre
5318	- -	3763 & footnote	Surirella crumena var S. linearis var. obtusa Tryblionella scutellum Nitzschia plana Pleurosigma lacustre
5318	- -	3387	Pleurosigma spenceri (of Britain not of America) Nitzschia plana Synedra gallionii
5318	- -	3328	Pleurosigma lacustre Tryblionella scutellum var Surirella crumena? var Nitzschia plana Synedra radians
5318	- -	E512	Nitzschia plana Tryblionella gracilis var Surirella crumena var S. linearis var Pleurosigma lacustre
5319	- -	863	Cymbella ventricosa? var
5320	Meyland	132	Amphipleura sigmoidea (= Nitzschia sigma var) V 158 Surirella ovata
5320	- -	E513	Nitzschia sigma var (= Amphipleura sigmoidea) Surirella ovata

Cont. on 24

TRAY 39 TOP cont

S320	Neyland	2625	Nitzschia sigma var (= Amphipleura sigmoidea) Surirella ovata
S320	-L	2634	Nitzschia sigma var (= Amphipleura sigmoidea) Surirella ovata
S320	-L	2633	Nitzschia sigma var (= Amphipleura sigmoidea) <i>One Slide Missing</i>
TRAY 39 MIDDLE			
S321	Neyland	133	Amphipleura sigmoidea (= Nitzschia sigma var.) Surirella ovata
S321	-L	134	Amphipleura sigmoidea (= Nitzschia sigma var.) Surirella ovata
S321	-L	3740	Surirella brightwellii S. ovata Nitzschia sigma var (Amphipleura sigmoidea)
S321	-L	E514	Surirella ovata Amphipleura sigmoidea (Nitzschia sigma var)
S321	-L	2617	Nitzschia sigma var (Amphipleura sigmoidea) Surirella ovata
S321	-L	2644	Nitzschia sigma var (Amphipleura sigmoidea) Surirella ovata
S320	Haverford west	1883	Meridion circulare Cymbella ventricosa Navicula minutula <i>faint</i> cont. on 25

TRAY 39 MIDDLE cont.

5322	Haverfordwest	2475	Cymbella ventricosa Meriaion circuitare <i>& footnote</i>
5323	-ll	859	Cymbella ventricosa C. helvetica??
5323	-ll	4402	Diatomacea <i>& footnote</i> /
5323	-ll	E515	Cymbella helvetica C. ventricosa
5324	-ll	E516	Tryblionella levidensis
TRAY 39 BOTTOM <i>overwritten</i>			
5324	Haverfordwest	4365	Tryblionella levidensis gracilis <i>Obscure</i> Synedra tabulata var
5325	-ll	4184	Synedra ulna B ? scarce Denticulata obtusa Nitzschia obtusa Cocconema cymbiforme Cymbella ventricosa small
5325	-ll	557	Cocconema parvum Denticula tenuis Cymbella ventricosa small Synedra ulna B
5325	-ll	858	Cymbella ventricosa small Denticula obtusa
5325	Neyland	944	Denticula tenuis D. inflata var. Cymbella ventricosa small
5326	Ulverstone Swartmoor	E517	Nitzschia linearis Amphipleura pellucida Navicula inflata N. angustata N. tumida (per m/s) Cont. on 26

TRAY 39 BOTTOM cont.

S326	Ulverstone Swartmoor	2750	Nitzschia linearis β sm Navicula inflata N. angustata
S326	-L	4411 4411	Amphipleura pellucida <i>bb</i> Diatomacea
S326	-L	122	Amphipleura pellucida Nitzschia linearis β Navicula var sp
S327	Haverfordwest	2474	Navicula (minutula or minute) Cymbella ventricosa
S327	-L	4488	BLANK one slide missing
		TRAY 40	TOP
S327	Haverfordwest	4398	Blank
		footnote	There are three forms here, 1) as in S322 ovate and rather striated, 2) elliptical and obtuse, 3) linear and obtuse (achnan. ^m linearis. The hist is scarce
S328	Caithness Deposit	E518	Navicula macula W.G. n/s N. patula N. obtusa N. laevissima Mastogloia smithii
S328	-L	E519	Epithemia argus var E. ocellata E. zebra E. granulata E. probosidea
S328	-L	E520	Denticula obtusa Cymbella ehrenbergii Navicula obtusa N. patula Mastogloia smithii

TRAY 40 TOP cont.

6.3.02

5328	Cairtness dep.	915	Denticula obtusa	very long & slender
			E. ? Obscure	small
			Navicula	blank
5328	"	2227	Navicula macula W.G	V2655
			N. patula	V2715
			Mastogloia smithii	
			Cymbella ehrenbergii	
5328	"	4652	Diatomacea	
5328	"	202	Amphora affinis	
			Navicula patula	
5328	"	506	Cocconeis thwaitesii	
			& footnote Navicula patula	
			These specimens of C. thwaitesii pass into Navicula macula	
5328	"	2288	Navicula patula	
			N. obtusa	
			Denticula obtusa	
			Epithemia	blank
			Mastogloia smithii	
5328	"	2245	Navicula obtusa	
5328	"	2258	Navicula obtusa	
			N. patula	
			Mastogloia smithii	

TRAY 40 MIDDLE

5328	Cairtness dep.	2259	Navicula obtusa	
			N. patula	
			Cocconeis thwaitesii	
			Denticula	blank
			Epithemia	blank
5328	"	1777	Mastogloia smithii	
			Navicula	blank
			Epithemia	blank
			Denticula obtusa	

Cont. on 28

TRAY 40 MIDDLE cont.

5328	Caitness deposit	780	<i>Cymbella ehrenbergii</i> <i>Navicula patula</i> <i>Mastogloia smithii</i>
5328	-L	1592	<i>Himantidium arcus</i> <i>Stauroneis punctata</i> <i>Mastogloia smithii</i> <i>Epithemia</i> n.sp.
5328	-L	2260	<i>Navicula obtusa</i> <i>N.</i> <i>patula</i> <i>Mastogloia smithii</i>
5328	-L	2286	<i>Navicula patula</i> <i>Cymbella ehrenbergii</i> <i>Mastogloia smithii</i> <i>Denticula obtusa</i>
5328	-L	4496	Diatomacea
5328	-L	4495	Diatomacea
5328	-L	1132	<i>Epithemia proboscidea</i> <i>E.</i> <i>ocellata</i> <i>Mastogloia smithii</i> <i>Coecooneis thwaitesii</i>
5328	-L	907	<i>Denticula obtusa</i> <i>D.</i> <i>tenuis</i> <i>Odontidium mutabile</i> <i>Mastogloia smithii</i> <i>Navicula patula</i> <i>Cymbella ehrenbergii</i>
5329	Bologas, Pengance	1643	<i>Himantidium pectinale</i> var (minute) <i>Fragilaria virescens</i>
5329	-L	1398	<i>Fragilaria virescens</i> <i>Himantidium pectinale</i> var? (small)

cont. on 29

TRAY 40 BOTTOM

S329	Bologas, Penzance	E521	Himantidium pectinale var (minute) Fragilaria virescens
S329 sic	Cumbræ	2052	Navicula cryptocephala Achnantheidium lanceolata
S330	Hoethoor Penzance	E522	Himantidium pectinale a & B various sizes Meridion constrictum Colletonema vulgare Tetracyclus lacustris P806
S330	-L	1904	Meridion constrictum Himantidium pectinale a & B various sizes
S330	-L	1644	Himantidium pectinale a, B (var. sizes) H. majus, very scarce P766 Tetracyclus lacustris Meridion constrictum Colletonema vulgare
S330	-L	4267	Tetracyclus lacustris scarce Himantidium pectinale a & B var. sizes Meridion constrictum Colletonema vulgare
S331	Haverford west	4168	Synedra tenera
S331	-L	E523	Synedra tenera
S332	Passage Co. Cork	E524	Fragilaria capucina B Sm
S332	-L	1339	Fragilaria capucina B (burned)
S332	-L	1338	Fragilaria capucina B Sm
S332	-L	1335	Fragilaria capucina a & B Sm

TRAY 41 TOP

S333	Swansea	281	Amphora marina Achnantheidium coarctatum Nitzschia blank Tryblionella blank cont. on 30
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TRAY 41 TOP cont.

S332	Swansea	2721	Nitzschia Frustula anceps Tryblionella gracilis	V1837
S333	-L	2572	Nitzschia linearis var (Synedra anceps Kg) Tryblionella blank	
S333	-L	4387	Tryblionella blank Nitzschia amphioxys Amphora marina Achnanthydium coarctatum	
S333	-L	2723	Nitzschia blank Tryblionella debilis Achnanthydium coarctatum	
S333	-L	2722	Nitzschia blank Frustula anceps Kg Tryblionella debilis Achnanthydium coarctatum	
S333	-L	2744	Nitzschia blank Achnanthydium coarctatum	
S334	Penzance	E525	Himantidium gracilis scarce H. denticulatum (arcus Sm) Synedra biceps var	
S334	-L	4005	Synedra biceps var Himantidium denticulatum (arcus Sm) H. gracilis	
S334	-L	4008	Synedra biceps var Himantidium denticulatum (arcus Sm) H. gracilis	
S334	-L	4011	Synedra biceps var Himantidium denticulatum (arcus Sm)	
S334	-L	1612	Himantidium denticulatum (large & small, (arcus Sm))	

cont. on 31

TRAY 41 MIDDLE

S334	Penzance	1617	Himantidium denticulata (arcus Sm) H gracilis Synedra biceps K ₃
S334	-L	1618	Himantidium denticulatum (arcus Sm) H gracilis Synedra biceps
S335	-L	4021	Synedra biceps var S. biceps true Himantidium majus
S335	-L	1619	Himantidium majus (arcus Sm) H. gracilis Synedra biceps
S335	-L	1613	Himantidium denticulatum (arcus Sm) some very large
S335	-L	E526	Synedra biceps var Himantidium denticulatum (arcus Sm)
S336	Haverford west	E527	Cymbella cuspidata
S336	-L	760	Cymbella cuspidata 2 foot more
S337	Dolgelly	4266	Tetracyclus lacustris (in threads) Himantidium undulatum
S338	-L	1671	Himantidium undulatum Tetracyclus lacustris
S338	-L	E528	Tetracyclus lacustris Himantidium undulatum
S339	Neyland, rocks	808	Cymbella maculata Sm. in Tab f 23 (= C. ventricosa var)
		TRAY 41	BOTTOM
S339	Haverford west	E529	Cymbella maculata var
S340	Neyland	860	Cymbella ventricosa var minute
S340	-L	870	Cymbella ventricosa, small

TRAY 41 BOTTOM cont.

S341	Penzance	1629	Himantidium majus Synedra biceps
S342	Haverfordwest	1426	Gomphonema acuminatum Himantidium arcus Synedra longissima
S342	-	1598	Himantidium arcus Synedra longissima S. tenera S. radians
S342	-	4107	Synedra longissima S. tenera
S342	-	4180	Himantidium arcus Synedra tenera S. longissima Himantidium arcus
S342	-	E560	Synedra longissima S. tenera Himantidium arcus Gomphonema acuminatum
S343	Caermarthen	E561	Nitzschia amphioxys small TWO SLIDES MISSING
		TRAY 42	TOP 13.3.2002
S343	Caermarthen	2493	Nitzschia amphioxys, small
S344	Haverfordwest	4117	Synedra minutissima
S345	Kinghorn	4189	Synedra ulna S. radians
S346	Ilfracombe	112	Amphipleura inflexa
S346	-	130	Amphipleura scalaris de Breb at (?ab) est a inflexa see #5 5346
S347	Cumbræ	3631	Schizonema smithii frustules of 436
S348	-	3628	Schizonema smithii frustules of 437

cont. on 33

TRAY 42 TOP cont.

5349	Haverfordwest	4169	Synedra tenera S. radians Odontidium mesodon
5349	- -	E562 corner broken	Synedra tenera S. ulna
5350	Coriston Oldman deposit	3733	Surirella biseriata
5351	Monkland Canal	1022	Diatoma vulgare
5352	Haverfordwest	3135	Pinnularia peregrina Nitzschia scalaris Navicula elegans
TRAY 42 MIDDLE			
5352	Haverfordwest	3346	Pleurosigma obscurum Sm Cyclotella kützingiana
5352	- -	2631	Nitzschia scalaris (selected)
5352	- -	2624	Nitzschia scalaris N. obtusa Navicula elegans N. amphisbaena B Pinnularia peregrina
5352	- -	E563	Nitzschia scalaris N. obtusa N. plana Navicula blank ? n sp
5353	Caerwent	1390	Fragilaria virescens Cymbella cuspidata
5353	- -	762	Cymbella cuspidata Fragilaria virescens
5354	- -	3867	Stauroneis anceps var Cymbella cuspidata
5355	Haverfordwest	955	Denticula pencil poss. erased Nav. - - Achnanthes exilis EV & V

TRAY 42 MIDDLE CONT

S356	Pengance	E564	Amphipleura inflexa
S356	-L	118	Amphipleura inflexa
S356	-L	117	Amphipleura inflexa
S357	Lancaster	564	Colletonema eximium

TRAY 42 BOTTOM

S357	Lancaster	E565	Colletonema eximium
S358	Neyland	E566	Pinnularia hemiptera
S358	-L	3028	Surirella linearis Pinnularia hemiptera
S358	-L	3798	Surirella linearis
S358	-L	3799	Surirella linearis Pinn blank
S358	-L	1601	Himantidium arcus (minute and sketch)
S359	Hull	E567	Cymbella affinis (large)
S359	-L	744	Cymbella affinis Nitzschia linearis Syneara ulna
S360	-L	3659	Schizogonema, median line no nodules (or Amphipleura demica see no 361)
S361	Haverfordwest	E568	Pleurosigma obscurum Two Slides missing

TRAY 43 TOP

S361	Haverfordwest	3344	Pleurosigma obscurum Sm
			Pinnularia peregrina
			P. radians
			Cyclotella kützingeriana
			Cont. on 35

TRAY 43 TOP cont

S361	Haverfordwest	3342	Pleurosigma obscurum Sm Pinnularia peregrina Cyclotella kützingeriana
S362	Brodrick Bay	E569	Navicula lyra N. hennedyii N. latissima N. maxima
S362	-L	2033	Navicula cruciformis Donk a footnote N. lyra N. latissima N. maxima
S362	-L	2229	Navicula maxima Gr. a footnote N. latissima Gr
S362	-L	2199	Navicula latissima N. maxima N. rectangularis
S362	Hull -L	2216	Navicula lyra N. latissima
S362	-L	2193	Navicula latissima (large)
S363	-L	1713	Homoeocladia blank Schizogonema blank
S363	-L dredged	443	Chaetoceros wighamii (rare)
S363	-L	1714	Homoeocladia blank Schizogonema dilwynii Navicula latissima
S363	-L	3271	Pleurosigma carinatum Donk ✓3365 (donkinii Ralf)
			TRAY 43 MIDDLE
S364	Springhead Hull	4193	Synedra ulna B
S365	-L	4138	Synedra radians
S365	-L	703	Cyclotella minutula ✓1119 C. operculara

Cont. on 36

Tray 43 MIDDLE cont.

5365	Springhead Hull	703	Synedra delicata
		cont	
5365	-L	E570	Synedra radians Cyclotella operculata C. minutula
5365	Spring Ditch Hull	675	Cyclotella minutula ✓ C. operculata
5366	Douglas I. of M	E571	Fragilaria capucina B Sm
5366	-L	1375	Fragilaria capucina B Sm F. virescens (deleted in m/s)
5367	Cumbræ	3542	Schizoneuma dillwynii
5368	Aberdeen	3555	Schizoneuma dillwynii
5369	Haverfordwest	3160	Pinnularia radiosa var (not Colletonema neglectum)
5369	-L	E572	Pinnularia radiosa var 20.3.02 (not Colletonema neglectum)
5370	Hull	2538	Nitzschia utvula deleted Pinnularia gibba (m/s. acrosphaeria) Pleurosigma blank (m/s attenuatum) ? Nitzschia ?
		TRAY 43	BOTTOM
5370	Hull 1/2 of Slide is missing	2938	Pinnularia acrosphaeria Nitzschia blank Pleurosigma lacustre
5370	Hull	2916	Pinnularia acrosphaeria Kg Surirella intermedia Lewis ✓ Pleurosigma lacustre
5370	Hull	2716	Nitzschia blank Pleurosigma spencerii ✓3395 Pinnularia acrosphaeria
5370	-L	2733	Nitzschia blank Pleurosigma spencerii Pinnularia acrosphaeria

cont. on 37

TRAY 43 BOTTOM cont.

5370	Hull	3379	Pleurosigma spencerii P. lacustre Nitzschia Blank
5370	Hull	E373	Pinnularia acrosphaeria K ₃ (striae 20 in .001)
5371	Gourock, leaves of Zostera	3562	Sutirella intermedia (Nitzschia curvula)
5371	-	3561	Schizonema divergens
5372	Exmouth	3552	Schizonema dilwynii
5372	-	3559	Schizonema dilwynii Two slides missing
		TRAY 44	TOP
5373	Haverfordwest	E574	Himantidium pectinale, large
5373	-	1649	Himantidium pectinale, large
5374	Toward Point ARAYLL	4139	Synedra radians ? (S. ulna) Meridion circulare border S. radians is rare
5375	Exmouth	E575	Schizonema smithii (Miss Cutler) large & ? melle
5375	-	3634	Schizonema smithii, frustules large
5376	-	3635	Schizonema smithii
5377	-	3586	Schizonema melle
5378	Haverfordwest	2061	Navicula decipiens = Stauroneis dubia W.G. P913 possibly a species of Actinanthidium
5378	-	E576	Stauroneis dubia W.G.
5379	-	3898	Stauroneis dubia W.G.
5379	-	4415	Blank ONE SLIDE MISSING

TRAY 44 MIDDLE

5380	Silverdale Lanes	481	Cocconeis pediculus Synedra ulna B S. deformis
5380	-	4194	Synedra ulna B S. deformis
5380	-	4186	Synedra ulna B Cocconeis placentula
5380	-	4039	Synedra deformis S. ulna ?
5380	+	E577	Cocconeis pediculus Synedra ulna B S. deformis
5381	Haverfordwest	E578	Cocconeis pediculus Himantidium majus
5381	-	1634	Himantidium majus
5381	+	1635	Himantidium majus
5382	Ardrishaig	1139	Epithemia rupestris E. alpestris E. gibba E. ocellata
5382	-	510	Cocconeis thwaitesii Diatomella balfouriana Epithemia alpestris E. rupestris
5382	+	4521	Got by washing Segtonema myochrous not listed in Van p. 3673 ONE SLIDE MISSING
			cont. on 39

TRAY 44 BOTTOM

5382	Ardrishoig	921	Denticula sinuata Diatomella balfouriana Cocconeis thwaitesii Epithemia rupestris E. alpestris
5382	-	2477	Navicula blank small ? N. smithii N. elliptica Diatomella balfouriana
5382	-	1545	Gomphonema vibrio - scarce G. dichotomum
5382	Neylana ?	2246	Denticula sinuata Diatomella balfouriana Cocconeis thwaitesii Epithemia rupestris E. alpestris
5382	- C. Canal	2478	Navicula smithii N. elliptica Diatomella balfouriana
5383	-	1083	Denticula sinuata Epithemia alpestris E. ocellata E. rupestris E. gibba of Smiths = Zebra var alpestris
5384	Neylana	E579	Gomphonema paradoxa Striatella unipunctata
5384	-	3716	Striatella unipunctata Gomphonema paradoxa
5384	-	3490	Rhipidophora paradoxa ? Licmophora blank

cont. on 40

TRAY 44 **BOTTOM** cont.

S385	Neyland	E580	Navicula jennerii Stauroneis salina Pinnularia cyprinus	
S385	-L	3961	Stauroneis salina Navicula jennerii Pinnularia cyprinus	
S385	-L	2963	Pinnularia cyprinus Stauroneis salina Navicula jennerii	
S386	-L	E581	Pleurosigma angulatum P. estuarii	
			TRAY 45	TOP
S386	Neyland	3246	Pleurosigma aestuarii var? (incl. P. angulatum vergens) Pinnularia cyprinus	27.3.02
S387	Fell End Lancs	E582	Navicula mutica Kürz	V2681
S387	-L	2239	Navicula mutica K ₃	
S388	Salthouse Ulverstone	2601	Tryblionella apiculata Nitzschia palea Surirella n.sp.	
S388	-L	2543	Nitzschia dubia B ?? N. palea Surirella n.sp.	
S388	-L	2604	Nitzschia palea Tryblionella apiculata (large) Surirella n.sp.	
S388	-L	2600	Nitzschia palea (small) Tryblionella apiculata (large) Surirella blank	
S388	-L	E583	Nitzschia palea Tryblionella apiculata Surirella n.sp.	

Cont. on 41

TRAY 45 TOP cont.

5389	Haverfordwest	2784	Odontidium mesodon
5390	Salthouse U'stone	2777	Odontidium mesodon
5391	Deposit from Zinton	E 584	Cyclotella operculata
	E. Prussia	footnote	Cymbella ehrenbergii
			See m/s notes for further details
5391	-ll	46298	Orthosira arenaria
		footnote	Cyclotella rotula
		TRAY 45	MIDDLE
5391	Zinton deposit	4397	Orthosira arenaria & not Cyclotella rotula
		footnote	
5392	Arrochar	790	Cymbella helvetica C. scotica C. affinis
			Gomphonema dichotolum
5392	-ll	511	Cocconeis thwaitesii Gomphonema dichotolum
			Cymbella scotica C. helvetica
5392	-ll	1467	Gomphonema dichotolum G. gemellum (slide a m/s)
			Not traced in Van
			Cymbella scotica C. helvetica C. affinis
5392	-ll	4442	Blank
5392	-ll rocks	4230?	Syneora Cocconeis thwaitesii Cymbella helvetica C. scotica
5392	-ll	E 585	Syneora Cocconeis thwaitesii Cymbella n.sp Gomphonema geminarum

Cont. on 42

TRAY 45 MIDDLE cont.

5393	Bowness	E586	Synedra tenera S. delicatissima
5393	-L	4171	Synedra tenera
5393	-L	4173	Synedra tenera
5393	-L	4172	Synedra tenera S. delicatissima
5394	Corrieghill Arran	E587	Odontidium hyemale
		TRAY 45	BOTTOM
5394	Corrieghill, Arran	2762	Odontidium hyemale Synedra ulna
5395	Lancaster	E588	Nitzschia lanceolata Tryblionella blank (Nitzschia media var Sm)
		4329	Tryblionella apiculata <i>Sec.</i> (Nitzschia med. var Sm)
			Nitzschia lanceolata
5395	-L	2561	Nitzschia lanceolata N. sigma Tryblionella blank (Nitzschia med. var Sm)
5395	-L	4328	Tryblionella apiculata Nitzschia lanceolata
5395	-L	2559	Nitzschia lanceolata Tryblionella apiculata
5395	-L	2557	Nitzschia lanceolata Tryblionella lanceolata
5396	Loch Vach	515	Coeconeis thwaitesii Cyclotella minutula Cymbella maculata Epirhemia sorex E. yebra Navicula parula

cont. on 43

TRAY 45 ~~BOTTOM~~ cont.

5396	Loch Vach	2291	Navicula patula Cyclotella minutula var Cymbella maculata Cocconeis thwaitesii Epithemia sorex E. zebra
5396	+	811	Cymbella erased E. maculata Sm. in tab (non in texta) Cyclotella minutula Navicula patula Cocconeis thwaitesii TWO SLIDES MISSING
			TRAY 46 TOP
5396	Loch Vach	807	Cymbella maculata ? Cyclotella minutula Cocconeis thwaitesii Epithemia sorex Navicula patula
5396	-	1172	Epithemia zebra E. turgida E. sorex Cyclotella minutula Cymbella maculata Cocconeis thwaitesii Navicula patula
5396	- -	684	Cyclotella minutula Cymbella maculata Epithemia sorex Cocconeis thwaitesii Navicula patula

Cont. on 44

TRAY 46 TOP cont.

5396	Loch Vach	689	Cyclotella minutula var Cymbella maculata Cocconeis thwaitesii Navicula parula Synedra tenera Epithemia sorex
5396	-L	4428	Diatomacea
5396	-L	E 589	Epithemia sorex E. zebra E. ocellata E. gibba Cymbella maculata Cyclotella minutula Cocconeis thwaitesii Navicula parula
5397	Cornieghills Arran	3783	Surirella fastuosa Eupodiscus ralfsii Amphiprora vitrea Stauroneis pulchella
5397	-L	184	Amphiprora lepidoptera Synedra superba
5397	-L	4013	Synedra baculus W.G. V3900 Amphiprora lepidoptera Stauroneis pulchella Eupodiscus ralfsii
5398	Loch Tummell hills	1620	Himantidium gracile Pinnularia stauroneiformis var P. lata
5398	-L	3172	Pinnularia stauroneiformis var P. lata Himantidium gracile cont. on 45

TRAY 46 TOP cont.

S399	Seaton S.Devon	1562	Grammatophora marina G. serpentina Stauroneis pulchella Synedra gallionii Rhabdonema arcuatum	
		TRAY 46	MIDDLE	3.4.02
S399	Seaton S.Devon	3940	Stauroneis pulchella B Synedra gallionii Grammatophora serpentina G. marina	
S399	-I-	4077	Synedra gallionii Stauroneis pulchella B Grammatophora serpentina Rhabdonema arcuatum	
S399	-I-	E590	Stauroneis pulchella B Synedra gallionii Grammatophora serpentina G. marina	
S400	Lizard Pt.	1115	Epithemia longicornis E. argus E. furgida Mastrogloia grevillei	
S400	-I-	1116	Epithemia longicornis E. argus E. furgida	
S400	-II-	1134	Epithemia proboscidea E. argus E. longicornis	
S400	-II-	1765	Mastrogloia grevillei Epithemia argus E. longicornis E. proboscidea	

cont. on 46

TRAY 46 MIDDLE cont

S400	Ligand Pt.	E591	Epithemia angus E. longicornis E. proboscidea E. furgida
S401	-II-	E592	Mastogloia lanceolata Coscinodiscus radiatus Podosira maculata Pleurosigma transversale Eupodiscus crassus (deleted in m/s)
S401	-II-	1875	Melosira westii Podosira maculata Pleurosigma blank Orthonosira marina
S401	-II-	3397	Pleurosigma transversale Orthonosira marina Coscinodiscus radiatus Eupodiscus crassus Podosira maculata
S401	-II-	3414	Podosira maculata Eupodiscus crassus Pleurosigma blank Orthonosira marina
TRAY 46 BOTTOM			
S401	Ligand Pt.	4305	Triceratium varrabile Eupodiscus crassus Podosira maculata Pleurosigma blank
S401	-II-	4342	Tryblionella constricta Triceratium alternans Podosira maculata Eupodiscus crassus

cont on 47

TRAY 46 BOTTOM cont.

S401	Lizard Point	2865	Ormosira marina Podosira maculata Pleurosigma transversale Coscinodiscus radiatus
S401	←	3281	Pleurosigma transversale
S402	Cottingham	3265	Pleurosigma attenuatum
S403	Haverfordwest	2069	Navicula dicephala Himantidium pectinale, small var
S403	←	1642	Himantidium pectinale, small var. Navicula dicephala
S404	Banff	482	Cocconeis pediculus Diaroma vulgare Gomphonema constrictum G. curvatum
S404	←	E593	Diaroma vulgare Cocconeis pediculus Gomphonema constrictum G. curvatum
S405	Aberdeen S. (pool)	1109	Epithemia granulata Melosira subflexilis Synedra apicularis S. gracilis
TWO SLIDES MISSING			
		TRAY 47	TOP
S405	Aberdeen S. (pool)	1412	Fragilaria blank Melosira subflexilis Synedra pulchella Epithemia granulata
S405	←	1856	Melosira subflexilis Epithemia granulata Fragilaria blank Synedra blank

cont. on 48

TRAY 47 Top cont.

S405	Aberdeen S. (pool)	E594	Melosira subflexilis Fragilaria blank Synedra pulchella Epithemia granulata
S405	-ll	3980	Synedra apicularis S. gracilis Melosira subflexilis Epithemia granulata
S406	-ll	1106	Epithemia granulata E. argus Melosira subflexilis Synedra apicularis S. gracilis
S406	-ll	1855	Melosira subflexilis Epithemia granulata Synedra apicularis S. gracilis
S407	Cove, Aberdeen rocks	2456	Navicula elliptica (overwritten) Denticula obtusa Coconema cistula
S407	-ll	528	Coconema cistula Denticula obtusa
S407	-ll	738 *footnote	Cymbella blank Coconema cistula Denticula obtusa
S407	-ll	E595	Denticula obtusa Coconema cistula Cymbella aequalis Navicula elliptica
S408	-ll	E596	Odontidium murabile O. mesodon Orthostra orichalcea Fragilaria virescens

Cont. on 49

TRAY 47 TOP cont.

5408	S. of Aberdeen	E596 cont.	Diatoma elongatum /
5408	--	2888	Ortnosira orichalcea Fragilaria virescens
TRAY 47 MIDDLE			
5408	S. of Aberdeen	2883	Ortnosira orichalcea Odontidium mesodon O. mutabile
5408	--	984	Diatoma elongatum Fragilaria virescens Ortnosira orichalcea Odontidium mesodon O. mutabile
5408	-- spring	1376	Fragilaria virescens Diatoma elongatum Ortnosira orichalcea Odontidium mesodon O. mutabile
5408	-- spring	1343	Fragilaria capucina Odontidium mesodon Diatoma elongatum Achnanthidium lanceolatum Ortnosira orichalcea
5409	Cavear Cove Aberdeen	E597	Ortnosira dickieii Fragilaria virescens Himantidium blank Achnanthidium microcephalum Navicula blank
5409	--	2849	Ortnosira dickieii Fragilaria virescens Himantidium blank Cont. on 50

TRAY 47 MIDDLE cont

S409	Cave at Cove Aberdeen	1380	Fragilaria blank Himantidium blank a sketch Orthonosira dickieii (nuno) Navicula ? blank Diadlesmis biceps
S409	-	1373	Fragilaria virescens var Himantidium Orthonosira dickieii Achnantheidium microcephalum Navicula ? blank Diadlesmis biceps
S409	-	1374	Fragilaria virescens var Himantidium blank Orthonosira dickieii Achnantheidium microcephalum Navicula ? blank Diadlesmis biceps
S409	-	1379	Fragilaria virescens var Himantidium Orthonosira dickieii Achnantheidium microcephalum
S410	-	1598	Himantidium gracile H. pectinale Orthonosira dickieii Fragilaria virescens
S410	-	2847	Orthonosira dickieii Fragilaria virescens Himantidium Achnantheidium microcephalum
		TRAY 47	BOTTOM
S410	Cave at Cove A'deen	1645	Himantidium pectinale Navicula ? Fragilaria virescens

TRAY 47 BOTTOM cont.

10.4.02

S410	Cave & Cove, Aberdeen	1645	Ordnosira dickieii
		cont.	/
S410	-L-	1375	Fragilaria virescens var. Himantidium pectinale Ordnosira dickieii Navicula blank
S411	-L-	E599	Navicula crassinervia? (no nodules) Diad(esmis) biceps ✓ 1283 Fragilaria virescens Achnanthisidium microcephala
S411	-L-	1680	Himantidium blank Achnanthisidium microcephala Fragilaria virescens Navicula blank
S411	-L-	84	Achnanthisidium microcephala Diad(esmis) overwritten Navicula followed by crassinerv. sic Fragilaria virescens
S411	-L-	87	Achnanthisidium microcephala Diad(esmis) blank Fragilaria virescens Himantidium blank
S411	-L-	88	Achnanthisidium microcephala Diad(esmis) blank Fragilaria virescens Himantidium blank
S411	-L-	2457	Fragilaria virescens var Ordnosira dickieii Himantidium blank Diad(esmis) biceps
		2450	Navicula blank
		& footnote	Ordnosira dickieii Himantidium gracile

cont. on 52

TRAY 47 BOTTOM cont

5411	Cavear Cove (A'deen)	2450	Fragilaria
		cont.	footnote describes the Navicula
5411	- -	2447	Navicula erased Orthosira dickieii Himantidium gracile Fragilaria blank TWO SLIDES MISSING
TRAY 48 TOP			
5411	Cavear Cove (A'deen)	1410	Fragilaria blank Himantidium blank Orthosira dickieii Diadlesmis biceps Achnanthydium microcephala
5411	- -	1400	Navicula erased Fragilaria virescens var Himantidium blank Orthosira dickieii
5411	- -	1378	Fragilaria virescens Navicula crassinervia Orthosira dickieii Himantidium blank
5411	- -	978	Diadlesmis blank scarce Navicula crassinervia Achnanthydium microcephala Fragilaria virescens Himantidium blank
5412	Aboyne	2537	Nitzschia curvula (? crossed out) Pinnularia dactylus V3221 Fragilaria virescens Navicula cocconeiformis Surirella linearis
542	- -	3038	Pinnularia interrupta Pinnularia stauroneiformis V3310

TRAY 48 TOP cont.

S412	Aboyne	3038	Pinnularia mesolepta	V3073
		cont	/	
S412	-L	3080	Pinnularia major	
			Surirella linearis	
			Cymbella affinis	
S412	-L	3800	Surirella linearis	
			Cymbella affinis	
			C. maculata	
			Orthosira blank	
S412	-L	1815	Melosira distans	
			Navicula cocconeis formis	
			Surirella linearis	
			Eunotia tetradon	
S412	-L	600E	Melosira distans	
		*footnote	Surirella linearis	
			Cymbella affinis	
			Pinnularia n.sp	
			Orthosira orichalcea	
			Surirella linearis	
			Cymbella affinis	
			Pinn(ularia)? n.sp	
S412	-L	601E	Cymbella amphicephala	
			C. lunata	P877
			Navicula cocconeiformis	
			Surirella linearis var	2 note
			Fragilaria blank	
S412	-L	1330	Fragilaria blank	
			Navicula cocconeiformis	
			Surirella linearis var	
			S. amphioxys	
			S. intermedia	
			Cymbella lunata	

TRAY 48 MIDDLE

S412	Aboyne	809	Cymbella lunata var C. amphicephala Navicula cocconeiformis N. crassinervis N. rhombica V2768 Surirella linearis
S412	Aboyne	1411	Fragilaria blank Navicula cocconeiformis Surirella linearis (= S. amphioxys) S. intermedia Cymbella lunata Sm
S412	-ll-	2006	Navicula cocconeiformis N. crassinervis N. rhomboides Cymbella amphicephala C. lunata Surirella linearis var Fragilaria blank
S413	Braemar	2794	Odontidium mutabilis Orthosira orichalcea Pinnularia alpina
S413	-i-	2882	Orthosira orichalcea Pinnularia interrupta B P. -ll- large
S413	-ll-	2884	Orthosira orichalcea Fragilaria blank
S413	-ll-	3043	Pinnularia interrupta B P. -ll- large Orthosira orichalcea
S413	-ll-	1381	Fragilaria blank Orthosira orichalcea

cont. on 55

TRAY 48 MIDDLE cont.

S413	Braemar, Castle	E600	Fragilaria blank Odontidium mutabile Orthonstra orichalcea
S414	-	E603	Fragilaria capucina ♂
S414	-	1329	Fragilaria capucina ♂ (F. mesolepra Hervey) V1769
S415	-	1595	Himantidium arcus Epithemia rupestris Cymbella scotica Diatomella balfouriana
TRAY 48 BOTTOM			
S415	Braemar, Castle	794	Cymbella helvetica C. aequalis ? C. - var obtusa Diatomella balfouriana
S415	-	844	Cymbella scotica C. affinis Grammatophora balfouriana Himantidium arcus
S415	-	1033	Diatomella balfouriana Cymbella scotica Epithemia rupestris Himantidium arcus
S415	-	1546	Gomphonema vibrio Diatomella balfouriana Cymbella aequalis var Odontidium harrisonii
S415	-	2758	Odontidium harrisonii Cymbella n. sp. Coconeis thwaitesii Diatoma grevilleana n/has Mastogloia grevilleana cont. on 56

TRAY 48 BOTTOM CONT.

17.4.02

5415	Braemar Castle	505	Cocconeis thwaitesii Cymbella scotica C. affinis Epithemia rupestris
5415	-ll	4421	Diatomacea
5415	-ll-	E 604	Epithemia rupestris Diatoma balfouriana Himantidium arcus Cymbella scotica
5415	-ll	E 605	Navicula obtusata (impossible, see V2701-dates)
			N. bacillaris V2424
5415	-ll	832	Cymbella aequalis C. scotica C. helvetica Navicula scita V2787 Odontidium harrisonii Gomphonema blank Cocconeis thwaitesii
TWO SLIDES MISSING			
		TRAY 49	TOP
5415	Braemar Castle	2265	Navicula obrusata Sm
5415	-ll	1990	Navicula bacillaris Cymbella aequalis
5415	-ll	1974	Navicula bacillaris N. obrusata Sm. Cymbella aequalis var
		E 606	Cocconeis thwaitesii Diatoma balfouriana
5416	-ll	763	Cymbella cuspidata Stauroneis phoenicenteron Surirella nobilis Pinnularia n.sp.
Cont. on 57			

TRAY 49 TOP cont.

5416	Braemar Castle	3937	Sauroneis phoenicenteron S. gracilis Pinnularia n.sp. Surirella nobilis Navicula firma
5416	- -	2887	Orthosira orichalcea foornore Cymbella cuspidata see below Sauroneis phoenicenteron Pinnularia n.sp. Surirella nobilis
5416	-L roadside	3115	Pinnularia nobilis P. interrupta Cymbella cuspidata
5416	- -	3777	Surirella deletion Cymbella ehrenbergii Sauroneis phoenicenteron
5416	-L	2104	Navicula firma Orthosira blank Sauroneis phoenicenteron Surirella nobilis Pinnularia n.sp.
5416	-L	2887	Metosira distans. foornore Cymbella cuspidata Sauroneis phoenicenteron Pinnularia n.sp. Surirella nobilis
5416	- -	E 606	Pinnularia nobilis P. major (scarce) Sauroneis phoenicenteron Surirella nobilis S. elegans cont. on 58

TRAY 49 TOP cont.

S417	Glen Callader	3730	Surirella biseriata S. linearis Pinnularia alpina P. major
S417	- -	2940	Pinnularia alpina P. major Surirella biseriata S. linearis
		TRAY 49	MIDDLE
S418	Glen Callader	E 607	Himantidium majus H. arcus H. bidens var. H. gracile var.
S418	- -	2939	Pinnularia alpina P. lata Himantidium bidens H. arcus, small
S418	- -	3801	Surirella linearis Pinnularia borealis Himantidium arcus H. majus
S418	- -	1596	Himantidium arcus H. majus Surirella linearis Eunotia diadema
S419	- -	1597	Himantidium arcus small and large on H. gracile, (scarce) Pinnularia borealis
S419	- -	4258	Tabellaria flocculosa T. fenestrata Himantidium arcus

cont. on 59

TRAY 49 MIDDLE cont.

S420	Glen Callader	E608	Surirella linearis Cymbella scotica Himantidium majus H. arcus
S420	-L	1611	Himantidium arcus H. majus H. bidens Pinnularia lata
S420	-L	838	Cymbella scotica C. helvetica Pinnularia gracilis P. alpina Surirella linearis Himantidium majus
S421	-L	E609	Eunotia triodon Pinnularia lata Melosira nivalis
S421	-L	3066	Pinnularia lata Eunotia triodon Navicula rhomboides
S421	-L	1254	Eunotia triodon Pinnularia lata Melosira nivalis Navicula rhomboides
		TRAY 49	BOTTOM
S422	Glen Callader	1820	Melosira nivalis Eunotia triodon Navicula rhomboides
S422	-L	2347	Navicula rhomboides Melosira nivalis Eunotia triodon
			Cont. on 60

TRAY 49 BOTTOM cont.

S422	Glen Callader	E 610	Melosira nivalis Eunotia triodon Navicula rhomboides	V 1617
S423	Loch Leander Glen Callader	E 611	Eunotia tetraodon E. diadema Cocconeis thwaitesii Tabellaria blank	
S423	Glen Callader	504	Cocconeis thwaitesii Tabellaria blank Orthosira orichalcea	
S423	-L	1199	Eunotia diadema Cocconeis thwaitesii Tabellaria fenestrata T. flocculosa Orthosira orichalcea	
S423	+L	1814	Melosira distans M. nivalis Tabellaria fenestrata T. flocculosa	
S423	-L	4244	Tabellaria fenestrata T. flocculosa Orthosira orichalcea Melosira nivalis	
S424	Loch Ceandon	4257	Tabellaria flocculosa T. fenestrata Orthosira orichalcea	
S424	-L	1813	Melosira distans M. nivalis Tabellaria fenestrata T. flocculosa Cocconeis thwaitesii	cont. on 61

TRAY 49 **BOTTOM** cont.

S424	Loch Ceandor	1245	Eunotia tetraodon E. diadema Himantidium arcus Orthosira orichalcea Cocconeis thwaitesii ONE SLIDE MISSING	
		TRAY 50	TOP	24.4.02
S425	Loch Ceandor	4245	Tabellaria fenestrata T. flocculosa	
S426	Corriemulzie	1399	Fragilaria virescens Odontidium mesodon Tabellaria fenestra	
S427	Loch na Gar	1638	Himantidium majus Eunotia tetraodon	
S428	-L	E612	Eunotia tetraodon Himantidium majus Melosira nivalis	
S428	-L	1637	Himantidium majus Navicula cocconeiformis Eunotia tetraodon Melosira nivalis	
S428	-L	1244	Eunotia tetraodon Himantidium majus Navicula cocconeiformis Melosira nivalis	
S429	-L	1819	Melosira nivalis Navicula cocconeiformis Cymbella scotica	
S429	-L	2005	Navicula cocconeiformis Melosira nivalis Cymbella scotica Gomphonema blank	

cont. on 62

TRAY 50 **TOP** cont

S429	Loch na Gar	837	Cymbella scotica Navicula cocconeiformis Melosira nivalis
S429	- -	801	Cymbella lunata Sm. Navicula cocconeiformis N. crassinervia Melosira nivalis M. distans Eunotia incisa
S429	- -	E 613	Navicula cocconeiformis N. crassinervia Cymbella lunata Melosira nivalis M. distans Eunotia incisa
S430	Cove, Aberdeen	E 614	Cocconema cistula C. cornutum Denticula obtusa Achnantheidium lanceolatum
		TRAY 50	MIDDLE
S430	Cove, Aberdeen	2793	Odonridium mutabile Denticula obtusa Cymbella ventricosa
S430	- -	76	Achnantheidium lanceolatum Odonridium mutabile Denticula obtusa Cymbella ventricosa
S430	- -	866	Cymbella ventricosa Cocconema cistula C. cornutum Denticula obtusa Achnantheidium lanceolatum Odonridium mesodon

cont. on 63

TRAY 50 MIDDLE cont.

S430	Cove, Aberdeen	866	Odontidium mutabile
		cont.	
S430	-L	894	Denticula <i>poss. obtrusa</i> replaced by 'inflata'
		& footnote	Cymbella ventricosa
			Odontidium mutabile
			O. mesodon
S430	-L	552	Cocconema lanceolatum
			var cornutum
			C. cistula
			Cymbella ventricosa
			Denticula obtrusa
			Achnantheidium lanceolatum
S431	Teignmouth	2363	Navicula rhynchocephala <i>appears deleted</i>
			Pinnularia <i>possibly "undulata"</i>
S431	-L	E 615	Navicula rhynchocephala Sm
			[= Pinnularia viridula var
			<i>see 2363 No confirmation in Jan. 1916</i>
S432	Glen Fincastle	753	Cymbella amphicephala
			C. scotica var
			C. cuspidata
			C. helvetica
			C. ehrenbergii
S433	Loch Tummel bog	E 616	Cymbella helvetica
			C. affinis
			C. scotica
			Himantidium arcius
			Eunotia tetraodon
			Himantidium gracile
S433	-L	1821	Melosira nivalis
			Cymbella aequalis
			C. scotica
			Eunotia tetraodon
			Cymbella affinis

TRAY 50 MIDDLE cont.

S433	Loch Tummel, bog	1599	Himantidium arcus Sm Eunotia incisa F.V. E. gracilis & ✓ E. Tetraodon Pinnularia undulata Cymbella n.sp Melosira nivalis
S433	→	1479	Gomphonema fibula var G. hebridense W.G. P 890 G. dichotomum Eunotia incisa Navicula rhomboides N. crassinerva
TRAY 50			BOTTOM
S433	Loch Tummel, bog	1477	Gomphonema fibula G. hebridense K Pinnularia undulata Eunotia Tetraodon E. incisa E. gracilis Navicula obtusata - o Sic
S433	-ll-	1488	Gomphonema hebridense Gr G. fibula var G. dichotomum Pinnularia polygonca V3297 Eunotia incisa var Navicula obtusata o
S433	-ll-	1465	Gomphonema dichotomum G. hebridense G. fibula var Melosira nivalis Eunotia incisa Pinnularia undulata ?

cont. on 65

TRAY 50 BOTTOM cont

S433	Loch Tummell, bog	1247	Eunotia tetraodon E. incisa E. gracilis Pinnularia n.sp Navicula obtusata Sm
S433	-	1229	Eunotia monodon E. incisa var E. tetraodon E. gracilis Pinnularia n.sp Cymbella aequalis
S433	-	1226	Eunotia incisa F. & S var Gomphonema dichototum Navicula crassinervia N. rhomboides
S433	-	1227	Eunotia incisa F. & S. Pinnularia polygonca Gomphonema dichototum G. hebridense G. fibula var
S433	-	3197	Pinnularia undulata Eunotia incisa Nitzschia curvula Gomphonema dichototum G. hebridense Navicula crassinervia N. rhomboides
S433	-	3196	Pinnularia undulata Eunotia incisa Gomphonema fibula G. dichototum G. hebridense Navicula rhomboides

Cont. on

TRAY 50 BOTTOM cont.

5433	Loch Tummell, bog	517	Cocconeis thwaitesii var Navicula chissimilis ✓2529 Pinnularia undulata WG P. gibba var Navicula serians (scarce?) Gomphonema fibula Two SLIDES MISSING
			TRAY 51 TOP 1.5.02
5433	Loch Tummell, bog	800 x footnote	Cymbella lunata C. aequalis C. helvetica C. scotica Navicula bacillaris Gr. (scita) N. obtusata Eunotia incisa var Pinnularia undulata WG
5433	- -	3785	Surirella linearis S. biseriata Navicula obtusata O Eunotia incisa var E. tetraodon Pinnularia polygonca
5433	- -	2248 x footnote	Navicula obtusata Sm Eunotia incisa E. tetraodon E. gracilis Pinnularia n.sp.
5433	- -	2367	Cymbella aequalis Navicula scita = bacillaris Cymbella aequalis C. lunata C. helvetica

cont. on 67

TRAY 51 TOP cont.

S433	Loch Tummell, bog	2367	Eunotia incisa var. cont.	Navicula obtusata
S433	-ll-	2025	Navicula crassinervia N. rhomboides Pinnularia polyonea Sm Eunotia incisa Epithemia rupestris Nitzschia blank	
S433	-ll-	2536	Nitzschia blank small N. curvula Eunotia incisa Navicula rhomboides N. crassinervia	
S433	-ll-	2929	Pinnularia acrosphaeria P possibly a deletion P undulata P. i. interrupta P. mesolepta P. divergens P hemiptera Navicula obtusata	✓ 3329
S433	-ll-	4467	Diatomacea	
S433	-ll-	E617	Pinnularia undulata W.B. P gibba Sm. var. Navicula sericans small N. rhomboides Coconeis thwaitesii var (= Navicula dissimilis Sm)	
S433	-ll-	E618	Gomphonema fibula valve Navicula sericans small (N. carassius Gv?) N. rhomboides	✓ 2458

Cont. on 68

TRAY 51 TOP cent.

S433	Loch Tummell, bog	E 618	Pinnularia undulata WG P. gibba Sm. var Coconeis thwaitesii var (= Nav. dissimilis Sm) Gomphonema finula
S434	Waitnean Deposit	E 619	Navicula obtusata N. parula ✓ 2715 Mastogloia grevilleii M. smithii Cymbella ehrenbergii
S434	-	1177	Epithemia n.sp. Navicula obtusa sic N. parula Orthosira arenaria
			TRAY 51 MIDDLE
S434	Waitnean Deposit this slide is broken	1762	Mastogloia grevilleii M. smithii Navicula obtusa N. parula
S434	Waitnean Deposit	201	Amphora affinis Mastogloia grevilleii M. smithii Navicula obtusa N. parula
S434	-	2292	Navicula obtusa N. parula N. gibberula Cymbella ehrenbergii
S434	-	2255	Navicula obtusata N. parula Epithemia n.sp. Orthosira arenaria Cyclotella operculata

TRAY 51 MIDDLE cont.

S434	Waitnean Deposit	774	Cymbella ehrenbergii Mastogloia smithii M. grevilleii Navicula obtusa N. parula
S434	-	4423	Diatomacea
S434	-	2252	Navicula obtusata N. parula
S434	-	2241	Cymbella ehrenbergii Navicula obtusata N. parula
S435	Waitnean Deposit	1131	Cymbella ehrenbergii Epithemia ocellata Bk Navicula obtusa Cyclotella operculata Orthosira arenaria
S435	-	2250	Navicula obtusata Epithemia ocellata
S435	-	702	Cyclotella operculata C. antiqua Navicula obtusa Orthosira arenaria
			one slide missing
TRAY 51			BOTTOM
S435	Waitnean Deposit	4451	Diatomacea
S436	Vic. Dock, Hull	1699	Homoeocladia sigmoidea ? preceded by Nitzschia Navicula ellipsis sic, not in Van Tryblionella apiculata P793
S436	-	4333	Tryblionella apiculata Homoeocladia sigmoidea Navicula ellipsis
S436	Hull	2510	Nitzschia angularis Navicula ellipsis

Cont. on 70

TRAY 51 BOTTOM cont.

S436	HULL	2510	Homoeocladia sigmoidea cont.	
S436	Vic. Dock Hull	3870	Stauroneis bacillum Grun. (a Navicula) sp) Nitzschia angularis Navicula ellipsis (oculata sp.) var Tryblionella apiculata	V3694 V3010 V2702
S436	-	2509	Nitzschia angularis " Homoeocladia sigmoidea Gr (not Smith) Navicula elliptica (?) N. n.sp. Stauroneis bacillum Grun. Tryblionella apiculata	
S436	-	2467	Navicula ellipsis ^(In pencil) (Stauroneis bacillum) a footnote Hom? blank Nitzschia angularis footnote: This Navicula is Stauroneis bacillum	
S436	-	2448	Navicula (Stauroneis bacillum Gr) N. ellipsis Nitzschia angularis Homoeocladia sigmoidea Gr not Sm	
S436	- -	E620	Homoeocladia sigmoidea Nitzschia angularis Navicula ellipsis	
				TWO SLIDES MISSING

TRAY 52 TOP

5.6.02

S436	Vic. Dock, HULL	2098 & footnote	Navicula ellipsis Pinnularia sigmoi Homocladia sigmoidea Nitzschia angularis
S436	-L	E 621	Stauroneis bacillum Navicula ellipsis Sm. Tryblionella apiculata
S436	-L	1698	Homocladia sigmoidea Navicula ellipsis
S437	Minnehead, S'ser	3416	Podosira montagnei Amphitetras antedelviana Cocconeis scutellum
S438	Waitnean Deposit	E 622	Mastogloia grevillii: M. Smithii: Cymbella scotica Nav(icula) blank
S438	-L	4425	Marl deposit Waitnean Lake, Caithness
S438	-L	825	Cymbella scotica Mastogloia grevillii M. smithii
S438		1786	Mastogloia blank
S439	Neyland	E 623	Nitzschia lanceolata
S439	-L	2560	Nitzschia lanceolata
S439		2555	Nitzschia sigma: N. incrustans
S440	Withernsea	2610	Nitzschia parvula N. minutissima N. dubia B
TRAY 52			MIDDLE
S440	Withernsea	2540	Nitzschia dubia B Sm. N. parvula N. minutissima
S440	-L	E 624	Nitzschia parvula N. dubia B

✓3058

Cont. on 72

TRAY 52 MIDDLE cont.

S441	Pilling, Lancs.	226	Amphora hyalina Pinnularia johnsonii Amphiprora paludosa Surirella gemma
S441	-	3787	Surirella gemma Amphora hyalina Amphiprora paludosa Surirella gemma (burnt)
S441	-	3053	Pinnularia johnsonii Amphiprora paludosa Surirella gemma (burnt)
S441	-	2618	Nitzschia reversa N. sigma Amphora hyalina Pinnularia johnsonii
S441	-	2632	Nitzschia reversa N. sigma Amphiprora alata Tryblionella constricta T. apiculata
S441	-	141	Amphiprora alata Surirella gemma Tryblionella punctata Nitzschia sigma
S442	-	3788	Surirella gemma Amphiprora alata Nitzschia sigma Tryblionella n.sp.
S442	-	3052	Pinnularia johnsonii Amphiprora alata Surirella gemma Tryblionella n.sp.

cont. on 73

TRAY 52 MIDDLE cont.

S442	Pilling, Lancs	2643	Nitzschia sigma M. reversa Amphiprora alata Surirella gemma Tryblionella n.sp.
One Slide missing			
		TRAY 52	BOTTOM
S442	Pilling, Lancs	2627	Nitzschia reversa Amphiprora alata Tryblionella n.sp.
S442	" "	4374	Tryblionella punctata T. marginata T. apiculata T. acuminata Pinnularia johnsonii
S442	" "	4422	Diatomacea from Pilling, Lancs
S442	" "	4424	" " C. Johnson, 6. Nov. 1856
S442	" "	2628	Nitzschia reversa M. sigma Pinnularia johnsonii Amphiprora alata Tryblionella punctata T. apiculata
S442	" "	2623	Nitzschia reversa M. sigma Pinnularia johnsonii Amphiprora alata Tryblionella punctata
S442	" "	150	Amphiprora alata Surirella gemma Tryblionella punctata Navicula jenniferii Nitzschia sigma

TRAY 52 **BOTTOM** cont.

S442	Pilling, Lancs	144	Amphiprora alata Nitzschia reversa N. sigma Pinnularia johnsonii Tryblionella punctata
S442	-	E 625	Pinnularia johnsonii Nitzschia reversa N. sigma Amphiprora alata Tryblionella punctata T constricta T. apiculata
THREE SLIDES MISSING			

TRAY 53 **TOP**

S443	Haverfordwest	1701	Homoeocladia sigmoidea
S443	-	1700	Homoeocladia sigmoidea
S444	-	83	Achnanthydium lineare Colletonema neglectum Gomphonema ventricosum
S444	-	3162	Pinnularia radiosa <i>a footnote</i> Achnanthydium lineare Gomphonema capitatum
S445	Redesdale Hermit's Well	2754	Odontidium harrisonii O. mutabile Denticula obrusa
S445	-	2800	Odontidium mutabile O. harrisonii Denticula obrusa
S445	-	2771	Odontidium informe Sm V 3154 O. harrisonii Denticula tenuis Cymbella scotica ? affinis

Cont. on 75

TRAY 53 TOP cont.

S445	Redesdale Hermit's Well	898	Denticula inflata var Odontidium informe O. harrisonii Cymbella scotica C. affinis see 2771 p 74
S445	-	899	Denticula inflata var. Cymbella scotica
S445	-	847	Cymbella scotica var C. affinis Denticula tenuis Odontidium informe O. harrisonii
S445	-	846	Cymbella scotica var C. affinis Denticula tenuis Odontidium informe O. harrisonii
S445	-	E 626	Odontidium informe O. harrisonii Denticula tenuis Cymbella scotica var C. affinis Coconema cymbiforme
		TRAY 53	MIDDLE
S446	Corrieghills Arran	E 627	Amphiprora lepidoptera Synedra superba Eupodiscus ralfsii
S446	-	1292	Eupodiscus ralfsii Synedra superba Amphiprora lepidoptera
S446	-	1294	Eupodiscus ralfsii Surirella fastuosa Srauroneis pulchella

TRAY 53 MIDDLE cont.

S446	Corriequhills, Arran	1294	Amphiprora lepidoptera	
		cont.	/	
S446	- -	3359	Pleurosigma rigidum	
			Amphiprora lepidoptera	
			Stauroneis pulchella	
S446	- -	4012	Synedra baculus Gr.	✓3900 12.6.02
			Amphiprora lepidoptera	
			Eupodiscus ralfsii	
S446	- -	182	Amphiprora lepidoptera	
			Synedra baculus	
			Eupodiscus ralfsii	
			Stauroneis pulchella	
S446 ²	- -	E628	Actinocyclus quatuordecenarius	✓104
			Surirella fastuosa	
			Eupodiscus ralfsii	
			Cocconeis diaphana	P867
			Amphora marina Sm.	P237
			Synedra fulgens	
S446 ²	- -	1286	Eupodiscus ralfsii	
			Stauroneis pulchella	
			Surirella fastuosa	
S446 ²	- -	1301	Navicula praetexta	✓2738
			Surirella fastuosa	
			Eupodiscus ralfsii	
			Synedra fulgens	
			Cocconeis diaphana	
S446 ²	- -	3945	Stauroneis pulchella	
			Eupodiscus ralfsii	
			Surirella fastuosa	
S446 ²	- -	2862	Ornospira marina	
			Eupodiscus ralfsii	
			Synedra fulgens	
			Stauroneis pulchella	

cont. on 77

TRAY 53 MIDDLE cont.

S446 ²	Corrieghills	E629	Surirella fastuosa } passing into S. lata } ? other
			Eupodiscus ralfsii
			Synedra fulgens
			Amphora marina
			Cocconeis dirupta P868
		TRAY 53	BOTTOM
S446 ³	Corrieghills	E630	Eupodiscus ralfsii
S446 ³	—	1293	Eupodiscus ralfsii
S447	Glen Farz	868	Cymbella ventricosa P877
S447	—	810	Cymbella maculata var. (not ventricosa var)
S448	—	2749	Nitzschia blank Cymbella ventricosa
S449	Forth/Clyde Canal	560	Cocconema ventricosum Hass V846 fide W. Sm et exempl. apud Harrison ? a D. Jenner lecta (= C. cistula var)
S449	—	561	Cocconema ventricosum Hass (= C. gibbum Ehr.) (= C. cistula var)
S450	Teignmouth	349	Biddulphia baileyi Ormosira marina O. orichalcea
S450	—	347	Biddulphia rhombus B. baileyi Ormosira marina
S450	—	1181	Eucampia godiacus Ormosira marina Tryblionella constricta
			TWO SLIDES MISSING

TRAY 54 TOP

S450	Teignmouth	450	Charoceros blank Biddulphia baileyi Eucampia zodiacus
S450	-L	4341	Tryblionella constricta Biddulphia baileyi
S450	-L	2866	Orthosira marina O. orichalcea Biddulphia baileyi Triceratium alternans P854
S450	-L	4310	Triceratium variabile P854 T. brightwellii P855 Orthosira orichalcea
S450	-L	1879	Melosira blank Triceratium alternans T. brightwellii
S451	-L	4063	Synedra gailionii Grammatophora marina Rhabdonema arcuatum
S451	-L	1567	Grammatophora marina as in Smith & S53 Synedra gailionii Rhabdonema arcuatum
S452	Exmouth	500	Cocconeis scutellum P869 Grammatophora marina
S453	Bumer Cairness	120	Amphipleura pellucida Navicula trochus Mastogloia smithii Epithemia gibba
S453	-L	1096	Epithemia gibba Mastogloia smithii Navicula trochus

Cont. on 79

TRAY 54 TOP cont.

S453	Dunnet, Caithness	2388	Navicula silicula Mastogloia smithii Epithemia gibba
S453	-L	1783	Mastogloia smithii Epithemia gibba Navicula trochus
<hr/>			
		TRAY 54	MIDDLE 19.6.02
S453	-L	2421	Diatomacea
		footnote	Navicula trochus var Epithemia gibba Mastogloia smithii
S453	-L	E 631	Navicula trochus Epithemia gibba Mastogloia smithii
		footnote	var Navic(ula) gibberula ?
S454	Brakegoe Deposit Caithness	4430	Diatomacea
S454	-L	1778	Mastogloia smithii B Navicula obtusa N. parula
S455	HULL	271	Amphora tenera Melosira nummuloides Nityschia sigma
S456	Mud adhering to Equisetum hyemale from Rotterdam (E. hyemale = Dutch Rush per P.T.W) c.p.a.	642	Coscinodiscus subtilis Ehr? Cyclotella dallasiana
S456	-L	668	Cyclotella dallasiana Coscinodiscus subtilis Ehr. see 642
cont. on P1 Book N° 6			

