1995 ANNUAL EXHIBITION
Imperial College, London SW7—28 October 1995

The following account of exhibits has been compiled by R. D. G. Barrington (British butterflies), B. Elliott (British Macrolepidoptera), J. M. Chalmers-Hunt (British Microlepidoptera), B. Goater (Foreign Lepidoptera), P. J. Chandler (Diptera), P. J. Hodge (Coleoptera and Hemiptera), A. J. Halstead (Hymenoptera and other orders), and R. Dyke (illustrations). The photographs for the two colour plates were taken by D. E. Wilson and the cost of printing these plates was met by a grant from the Hammond Memorial Fund.

British butterflies

Barrington, R. D. G.—(1) Series of *Maniola jurtina* L. ssp. *cassiteridum* Graves and *Pararge aegeria* L. ssp. *insula* How. from the Isles of Scilly, viii.1995. The *M. jurtina* were very variable, some having extensive upperside fulvous in both sexes and with the pattern of the underside hindwings sharply defined and with a "grainy" effect—the described characteristics of this subspecies. However, other examples were little different from mainland insects. Its status as a genuine subspecies has been questioned. The *P. aegeria* were more consistent, with the upperside pale spots often very orange (as in the European race) and with extensive pale markings at the base of the forewings on the underside. This seems to be a distinct subspecies. Both species were found commonly on several islands, with *aegeria* occupying more open, and less shaded, habitats than on the mainland. Two female examples of *jurtina* ab. *fracta* Zweiglt from St Mary's Island.

(2) Three female and one male *Pieris napi* L. showing homoeosis. This consisted of streaks of underside hindwing coloration reproduced on the underside on one or both forewings. They were reared in an F_1 brood of 150 adults from an Oxford female showing ab. *fasciata* Kautz. About 15% of the brood showed homoeosis of this kind. Pairings were taken between type females and homoeotic males. Large numbers of eggs were laid but survival of eggs and larvae was very poor and an F_2 of only 21 adults was achieved. This included 3 males with minor homoeosis. Homoeosis would appear to be an inherited form with a significant weakening effect.

(3) An extreme male example of *Pyronia tithonus* L. ab. *multiocellata* Ober. from Devon, viii.1995 (Plate III, Fig. 6). This had two very large, pupilled, extra forewing spots and four spots on the upperside of each hindwing. From the same location a male ab. *subalbida* Verity with dirty cream replacing the usual fulvous coloration. A female *M. jurtina* from Dorset, vii.1995, showing brown streaks of homoeosis on the underside of the right hindwing. A heavily marked *Aglais urticae* L. ab. *pseudoconnexa* Cab. bred from Gloucestershire larvae. A female *Lysandra coridon* Poda ab. *discreta* Courv. with all forewing spots pushed outwards to touch the lunules. Two pairs of *Lycaena phlaeas* L. ab. *extensa* Tutt showing inward streaking of the forewing spots, two on the upperside and two on the underside (in each case the opposing surface showed typical spotting) from a large third brood in Dorset, ix.1995. Also a female ab. *obsoleta* Tutt with black hindwings.

(4) Two pairs of *Pararge aegeria* L. ab. *cockaynei* Goodson bred F_1 from typical Wiltshire stock in the spring of 1995. These emerged from larvae which completed their development unusually early, as is always the case with this environmental aberration.

Collins, G. A.—A female *Hipparchia semele* L. ab. *monocellata* Lempke and a female with an extra spot below the lower forewing eyespot. A pretty male *Lysandra*

coridon Poda ab. *margino-fowleri* South and a female ab. *punctata* B. & L., transitional to *fowleri*. All Dorset, vii.1995. *Pyrgus malvae* L. ab. *taras* Bergstr. from the Sussex Coast, v.1995.

DENNIS, R. C.—Several male *Lysandra coridon* Poda with the blue upperside scaling mixed in with darker scales, giving a curious, rough appearance. These examples were fresh (and one incorporated ab. *fowleri* South). Probably this coloration was due to the effect of the heat wave during the period of pupation. A bred male *Quercusia quercus* L. with uneven distribution of purple scaling, probably a scale defect. Three pairs of *Pararge aegeria* L. ab. *saturatior* Crombrugghe and an extreme male of the form, all taken by Reg Griffiths in the third brood during the 1970s and 80s.

GARDNER, A.—*Aglais urticae* L. ab. *semiichneusoides* Pronin, taken 16.viii.1995, Charlecote.

HARMER, A. S.—Three very fine and extreme examples of *Aphantopus hyperantus* L. ab. *lanceolata* Shipp, taken in a restricted location in Sussex, 13–14.vii.1995 (Plate III, Fig. 7). Eggs have been obtained.

HART, C.—A melanic example of *Polygonia c-album* L. approaching ab. *suffusa* Frohawk, taken in the exhibitor's garden at Buckland, Reigate, Surrey on 16.vii.1995.

JONES, A. M.—(1) Two interesting breeding experiments with analagous aberrations in two Lycaenids. *Aricia agestis* ab. *pallidior* Oberthur has the normal orange lunules replaced by yellowish coloration. The F_1 generation from a female example (taken 27.viii.1994) contained only typical examples. The F_2, which emerged in xi/xii.1994, contained 48 specimens of *pallidior* (23% of the brood). Breeding from a female *Strymonidia w-album* L. (which emerged from wild-collected ova) with the hindwing orange bands replaced with yellow yielded similar results—a typical F_1 and exactly 25% of the F_2 being aberrant (these examples also showed a dark, slatey ground colour). Both aberrations are clearly recessive.

(2) A bred female *Quercusia quercus* L. ab. *obsoleta* Tutt with virtually no purple on the upperside, and a good, bred male example of ab. *latefasciata* Courv. having strong white bands on the underside hindwings and darkly suffused forewings.

(3) An unusual aberration of *Aphantopus hyperantus* L. with no rings on the underside forewings but with a light ochre suffusion. A bilateral gynandromorph of *Argynnis paphia* L. (left side male) which was captured a week after it was originally seen. It appeared not to have suffered great damage in the intervening period. A bilateral gynandromorph of *Pyronia tithonus* L. (left side male) bred in a brood of seven specimens from a small spotted female (Plate III, Fig. 5). There are very few recorded gynandromorphs in this species and at least one of these has been shown to be a fake. A pair of *Eurodryas aurinia* Rott. ab. *virgata* Tutt bred in the F_3 generation from *virgata* parents. This is a multifactorial aberration.

KENDRICK, R. C.—An example of *Argynnis lathonia* L. found dead in a pitfall trap set on 1.ix.1995 and checked on 16.ix.1995 at Minsmere Nature Reserve, Westleton, Suffolk. At least three other examples of the species were seen in Suffolk in viii.1995 (Scots Hall Cottages, Minsmere, 6.viii; Holbrook, Shotley, 12.viii and Bradfield Woods Nature Reserve, Felsham, 21.viii) and one other in September (Westwood Marshes, Walberswick, 10.x).

KNILL-JONES, S. A.—A specimen of the *Phalanta phalantha* Drury (the leopard butterfly) captured at Spinfish, Freshwater, Isle of Wight on 29.vi.1995. Probably an escape from Butterfly World, Wootton, about 14 miles away.

MEREDITH, S.—Photographs of *Thecla betulae* L. from Noar Hill Nature Reserve, Hants in viii/ix 1995; 6–10 adults may usually be seen at this location in a day of searching, and occasionally males may be seen feeding from hemp agrimony.

ANNUAL EXHIBITION 1995

However in 1995 50 adults were seen on 14.viii (all but one on hemp agrimony and all but 4 or 5 were male). On average, from 7.viii to 21.ix, up to 30 adults could be seen per day. The reason for the high numbers of adults of this normally secretive species being seen feeding at flowers might be because the honeydew high up on oak and ash trees dried up in the heat of this exceptional summer, or perhaps because aphid numbers were low due to heavy wasp predation.

PAYNE, J. H.—A photograph of a strong example of *Coenonympha pamphilus* ab. *excessa* Leeds (Northants, 1960) and an extreme form of *Cynthia cardui* L. ab. *rogeri* Meilhan, with very dark hindwings (Plate III, Fig. 8). This striking aberration emerged from a temperature-shocked pupa.

PORTER, J.—Selected specimens of races of *Pieris napi* L. from southern England, north Wales, central Scotland and western Ireland. One female from the single-brooded Scottish form was quite yellow and two female specimens of the Spring brood from western Ireland were very dusky. The English and Irish races of *Leptidea sinapis* L. were compared. The Irish race (ssp. *juvernica* Williams) is strongly coloured on the underside of the hindwings. An extreme *Pyrgus malvae* L. ab. *taras* Bergstr. from East Sussex, 21.v.1995. A fine *Coenonympha pamphilus* L. ab. *caeca* Oberthur from Fanore, Co. Clare, 5.vi.1995 and a female *Argynnis aglaja* L. bred from a Fanore larva which showed the dusky markings of ssp. *scotica* Watkins. A male *Anthocharis cardamines* L. ab. *parvipuncta* Turci, having the discal spot almost absent, from Downside, Surrey, 2.v.1995.

REVELS, R. C.—(1) Three bred generations from a wild female *Polyommatus icarus* Rott. taken in viii.1994. This showed ab. *discoelongata* B. & L. on the forewings but had typical hindwing spotting. The F_1 of about 50 insects contained 10 examples of *discoleongata*, mainly affecting the forewings. Several of these were paired together. An F_2 of about 250 adults emerged in vii.1995. 15 were good ab. *radiata* Courv. and 40 were of the transitional form, ab. *discoelongata*. The remainder were typical. Ab. *radiata* adults were paired together. The F_3 of 243 adults emerged in viii/ix.1995. This contained about 100 *radiata*, some being fine examples with streaked spotting on all wings. Most of the remainder were *discoelongata* with only 14 typical insects. Four of the *radiata* adults were also ab. *costaextrema*, one male was ab. *antialba* B. & L. and several combined *radiata* with ab. *confluens* B. & L. (Plate III, Fig. 2). *Discoelongata/radiata* is a multifactorial form.

1	2	3
4	5	6
7	8	
9		
10	11	12

PLATE III. ANNUAL EXHIBITION 1995

1: *Polyommatus icarus* ab. *radiata*, and ab. *basielongata*, bred, 1995, L. D. Young. 2: *Polyommatus icarus*, ab. *confluens* and ab. *radiata*, bred, 1995, R. C. Revels. 3: *Aricia agestis* ab. *glomerata*, Northants, viii.1995, P. Tebbutt. 4: *Pyronia tithonus* ab. *lugens*, bred, 1995, R. C. Revels. 5: *Pyronia tithonus* gynandromorph, bred, 1995, A. M. Jones. 6: *Pyronia tithonus* ab. *multiocellata*, Devon, viii.1995, R. D. G. Barrington. 7: *Aphantopus hyperantus* ab. *lanceolata*, Sussex, 13–14.vii.1995, A. S. Harmer. 8: *Cynthia cardui* ab. *rogeri*, bred, 1995, temperature shock, J. H. Payne. 9: *Apatura iris* ab. *lugenda*, Northants, 14.vii.1995, D. Stokes. 10: *Chrysopilus erythrophthalmus*, Lanark, 15.vii.1995, P. J. Chandler. 11: *Eristalis cryptarum*, male, Dartmoor, 13.viii.1995, M. J. Parker. 12: *Eristalis cryptarum*, female, Dartmoor, 20.viii.1995, M. J. Parker.

(2) A brood of *Pyronia tithonus* L. ab. *lugens* Oberthur from a strain that has been maintained for several years. It has been shown to be a fully dominant form. Some of these were extreme examples of this very rare aberration including a male with the forewing dark borders extending across the apical spot (which lacked the pupil). The remaining fulvous of the forewings was suffused and the upperside hindwings lacked fulvous coloration altogether (Plate III, Fig 4).

SOFTLY, R. A.—The hairstreak *Deudorix anatalus* Hopffer reared from "Kenyan beans" purchased from a Hampstead corner shop on 15.viii.1995. Larva fed on packeted frozen runner beans, pupated 26.viii and emerged 8.ix.

STANDING, P. A.—Aberrant examples of *Melitaea cinxia* L. bred in 1995 from stock that has been inbred for 4 years. These included ab. *wittei* Geest and others lacking some markings from the underside of the hindwings.

STOKES, D.—A beautiful male example of *Apatura iris* L. ab. *lugenda* Cabeau, captured in Northants on 14.vii.1995 (Plate III, Fig. 9). This rare insect had the white bands of the forewings almost entirely absent and was in perfect condition. An accompanying photograph showed the equally extreme underside.

TEBBUTT, P.—An *Aphantopus hyperantus* L. underside with the yellow rings replaced by red. Other markings were normal. A male *Polygonia c-album* L. ab. *suffusa* Frohawk and a female *Limenitis camilla* L. ab. *obliterae* Robson & Gardner (these two were taken within 30 yards of each other).

An interesting series of *Aricia agestis* D. & S. ab. *glomerata* Tutt. (Plate III, Fig. 3). One example was captured at this locality in 1994. A population of 150–200 adults in viii.1995 produced 15 aberrations. Two weeks later, in a population of 50 adults, a further 5 aberrations were seen. Most examples seen were male. In some of these aberrations some of the spots were missing—a character which appears to be part of the expression of *glomerata*. This is a very rare aberration in this species.

Two bred gynandromorphs of *Pieris rapae* L. From 50 pupae one emerged in a late third brood (ix.1994). This had a few small areas of male scaling on the left side of an otherwise female insect. A bilateral gynandromorph emerged from the same stock in the spring of 1995.

Various nymphalid aberrations reared from temperature-shocked pupae, including *Vanessa atalanta* L. ab. *klymene* Fischer (the only aberration from over 70 treated pupae), *Cynthia cardui* L. abs. *varini* Meilhan and *emielymi* Verity, *Aglais urticae* L. ab. *lucia* Derenne, *Polygonia c-album* L. ab. *obscura* Closs and *Inachis io* L. ab. *semi-ocellata* Frohawk and *belisaria* Oberthur.

TUBBS, R. S.—The results of breeding from *Melanargia galathea* L. ab. *craskei* Tubbs, 1974–1978. In this aberration the central black costal blotch of the forewings is extended outwards to join the sub-apical bar. The original live females were given to the exhibitor by R. M. Craske, for whom the form was named. The aberration occurred in the F_1 generation in approximately equal numbers to type, suggesting that it is a dominant form. More extreme examples occurred in the F_2 generation which were probably homozygotes.

WINOKUR, L.—A female *Pararge aegeria* L. ssp. *oblita* Harrison showing homoeosis. This emerged on 2.x.1995 from females taken at Glen Lonan, east of Oban, Argyll (18–25.viii.1993). This shows an area of patterning from the underside of the left hindwing (in spaces 2 and 3) reproduced on the underside of the left forewing.

YOUNG, L. D.—The results of crossing the exhibitor's well-known strain of *Polyommatus icarus* Rott. abs. *basielongata* B. & L. + *discoelongata* B. & L. with the ab. *radiata* Courv. strain bred by R. C. Revels. Amongst the progeny were some fine specimens combining *radiata* on all wings with *basielongata* (Plate III, Fig. 1). An unusual male showed ab. *anticaeca* B. & L. and *postradiata* Courv.

BRITISH MACROLEPIDOPTERA

BRITTON, M. R.—A specimen of *Eulithis testata* (L.) taken 17.viii.1995 at Skipwith Common showing a complete absence of hindwings.

BROTHERIDGE, D. J.—An exhibit of a dark almost unicolorous *Charanyca trigrammica* (Hufn.). A dark broad-winged form of *Lacanobia oleracea* (L.), a yellow form of *Miltochrista miniata* (Forst.) and an *Agrius convolvuli* (L.) from near Swindon, Wilts.

BROWN, D. C. G.—From Malham Tarn, Yorks., four specimens of the Continental form of *Eurois occulta* (L.) taken 5.viii.1995. Four bred specimens of *Xylena exsoleta* (L.) from a Scottish female taken iv.1995. Also a selection of migrants caught on the Lizard, Cornwall. 8–18.x.1995, consisting of: *Chrysodeixis acuta* (Walker) (Plate IV, Fig. 8), *Spodoptera cilium* (Gueneé) (Plate IV, Fig. 1), *Spodoptera exigua* (Hübn.), *Utetheisa pulchella* (L.), *Trichoplusia ni* (Hübn.), *Eublemma parva* (Hübn.) and *ostrina* (Hübn.), *Rhodometra sacraria* (L.) and *Orthonama obstipata* (F.).

CLANCY, S. P.—An exhibit consisting of interesting migrant species and unusual aberrations from the Dungeness area of Kent. The migrants were: *Acherontia atropos* (L.) 10.x.1995, *Nola aerugula* (Hübn.) 12.vii.1995, *Coscinia cribraria arenaria* (Lempke) 26.vii.1995, *Eublemma parva* (Hübn.) 28.vii.1995 and the first British record of *Herminia plumigeralis* ([D. & S.]), Greatstone, Kent, 12.x.1995 (Plate IV, Fig. 6). The aberrations consisted of *Idaea biselata* (Hufn.) a suffused example from Ham Street, Kent, *Mimas tiliae* ab. *brunnea* Tutt from Folkestone, Kent, *Spilosoma lutea* (Hufn.), 11.vii.1995, *Hadena albimacula* (Borkh.) with reduced white scaling (Plate IV, Fig. 7), *Eupithecia phoeneciata* (Ramb.) a banded specimen from Greatstone, Kent, and an *Orthosia gothica* (L.) with asymmetrical scaling (Plate IV, Fig. 3).

Also a separate exhibit showed an example of *Trichoplusia vittata* (Wall.) taken at Rye Harbour, E. Sussex by D. Funnell on 31.vii.1995 (Plate IV, Fig, 11) along with a specimen for comparison from the Natural History Museum, Kensington (Plate IV, Fig. 12).

CLANCY, S. P., HONEY, M. R. AND SKINNER, B. F.—For comparison, with *T. vittata* (Wall.), mentioned above, specimens of *Trichoplusia albostriata* (Br. & Grey) from Asia and *T. oxygramma* (Geyer) from America, its close relatives. Also to accompany Sean Clancy's exhibit of *Herminea plumigeralis*, four other European hermiinid species. Also a drawer of historic *Eublemma parva* (Hübn.) and its close allies from the national collection. Finally in this series of exhibits, a drawer of European *Cucullia* also from the national collection along with a specimen taken at Portland, Dorset by Bernard Skinner recently and tentatively identified as a possible *Cucullia umbratica* (L.).

CLARKE, DR J.—An exhibit of larvae of *Anarta cordigera* (Thunb.) The following migrants: *Nola aerugula* (Hübn.) (2) from Winterton Dunes, Norfolk 11.vii.1995; *Cyclophora puppillaria* (Hübn.), 16.x.1995, to m.v., East Grinstead, West Sussex; *Clostera anachoreta* ([D. & S.]) 5.viii.1995, Folkestone, and *Utetheisa pulchella* (L.), 19.x.1995, Prawle Point, South Devon. The rest of the exhibit consisted of: *Sabra harpagula* (Esp.) Tintern; *Rheumaptera hastata* (L.) Shaftesbury, Dorset; *Coenocalpe lapidata* (Hübn.); *Semiothisa carbonaria* (Clerck), Newtonmore, flying in good numbers 28.v.1995; *Phragmatobia fuliginosa* (L.), an abnormally pale example from Holme next the Sea, Norfolk; *Electrophaes corylata* (Thunb.) ab. *albocrenata* Curtis, from Newtonmore; *Xylena vetusta* (Hübn.) and *exsoleta* (L.) both species at sugar, Rannoch; *Autographa jota* (L.) ab. *percontationis* Ochs.; *Apamea lithoxylea* ([D. &

S.]), a dwarf example; *Agrotis exclamationis* (L.) an asymmetrical example from East Grinstead and an ab. *plaga* Tutt from Lingfield, Surrey; *Agrotis puta* (Hübn.), a mixed gynandromorph; *Spilosoma lubricipeda* (L.) from Tintern, Wye Valley; one specimen of *Chilodes maritimus* (Tausch.), with conjoined stigmata from Holme next the sea, along with *Cosmia trapezina* (L.) from the same locality; two pale examples plus typical ones of *Agrotis vestigialis* (Hufn.) were shown from Winterton Dunes plus a similar exhibit of unicolorous *Euxoa tritici* (L.). Finally, a small series of *Horisme vitalbata* ([D. & S.]) demonstrated a possible autosomal recessive trait.

COLLINS, G. A.—An exhibit consisting of Lepidoptera from Co. Clare, Eire, during a visit in vi.1995: *Odontognophos dumetata hibernica* Forder, *Semiothisa clathrata hugginsi* (Baynes), *Hadena caesia mananii* (Gregs.) *Hadena perplexa capsophila* (Dup.) *Photedes captiuncula tincta* (Kane) and *Zygaena purpuralis sabulosa* Trem.

COLENUTT, S.—An exhibit of *Euplagia quadripunctaria* (Poda) ab. *lutescens* (Stdgr), 11.viii.1995 and *Stilbia anomala* (Haw.) 19.ix.1994, both from Chale Green, Isle of White.

COOK, R. R.—An exhibit of moths from several visits to Scotland: *Coenocalpe lapidata* (Hübn.) from Trinafour, and *Xylena vetusta* (Hübn.) and *exsoleta* (Linn.), Rannoch, Perthshire; from Inverness-shire, specimens of *Enargia paleacea* (Esp.), *Aporophila lueneburgensis* (Frey.), *Celaena leucostigma scotica* Cock. and *haworthii* (Curtis), *Eugnorisma depuncta* (L.), *Stilbia anomala* (Haw.), *Chloroclysta citrata* (L.) and *Euxoa nigricans* (L.). From other localities: *Eupithecia egenaria* (H.-S.), from Tintern, Wye Valley; *Euphia biangulata* (Haw.), from Bere Forest, Dorset; *Tyta luctuosa* ([D. & S.]) from Portland, Dorset, 5.viii.1995. Finally, jointly with P. R. Cook, *Archearias notha* (Hübn.) from Merrytown Heath, Dorset, iv.1995.

CORLEY, M. F. V.—Some unusual second broods of the following species: *Eupithecia pygmaeata* (Hübn.), Gozzards Ford, Abingdon, 31.vii.1995; *Lobophora halterata* (Hufn.) Gozzards Ford, 31.vii.1995 and *Laspeyria flexula* ([D. & S.]), Pucketty Farm, Faringdon, 31.viii.1995.

CRONIN, A. R.—A specimen of *Eupithecia phoeneciata* (Rambur), to light, 16.viii.1995, Portslade, Sussex. Also, two imagines of *Panaxia dominula* (L.) ab. *bimacula* Cockayne which were bred in 1995.

DAVEY, P. AND STERLING, P.—Migrant or vagrant Lepidoptera taken in Dorset in 1995: *Cyclophora puppillaria* (Hübn.), Parkstone, 12.x, A. Bromby; *Scopula nigropunctata* (Goeze), Arne, 26.vii, B. Pickess; *Hyles gallii* (Rott.), Chalbury, 20.viii, S. Amos; *Pelosia muscerda* (Hufn.), Woolgarston, 12.vii, D. Birt; *Cryphia algae* (F.), Weymouth, 10.viii, P. Sterling; *Trachea atriplicis* (L.), Christchurch, 31.vii, M. Jeffes; *Spodoptera cilium* (Guen.), West Bexington, 14.x, R. Eden; *Heliothis viriplaca* (Hufn.), Ashmore, 9.viii, P. Davey; *Chrysodeixis chalcites* (Esp.), West Bexington, 10.x, R. Eden, and *Hypena obsitalis* (Hübn.), Christchurch, 2.v, M. Jeffes.

DICKERSON, B.—An unusual exhibit of a male *Agrotis exclamationis* (L.) *in copula* with a female *Abrostola triplasia* (L.), found in a moth trap at Old Fletton, Peterborough, 10.vi.1995. It was not possible to separate them without injuring them.

DOBSON, A. E.—An exhibit of *Acasis viretata* (Hübn.), from Health End Farnham, Surrey, 31.vii.1995. A dark imago of *Agrotis ripae* (Hübn.), from Dawlish Warren, Devon. A *Heliothis viriplaca* (Hufn.), Maidscross Hill, Suffolk and a female specimen with increased black clouding on the hindwing bred from larvae obtained from a variety of plants in that area. Finally a single example of *Parascotia fuliginaria* (L.) in a Rothamstead light trap at Starcross, S. Devon, 14–17.vii.1995, a first county record.

ELLIOTT, B.—An imago of *Chrysodeixis chalcites* (Esp.), bred from a larva in a bunch of flowers, i.1994, Mansfield, Notts.; *Spodoptera littoralis* (Biosd.), bred from a number of larvae found in a consignment of plants from Israel in a heated greenhouse in Spalding, Lincs., xi.1994; *Agrotis crassa* (Hübn.), to m.v., St Mary's, Isles of Scilly, 24.viii.1995; *Eurois occulta* (L.), to m.v., Allerthorpe Common, Yorks., one of two seen in this locality within days of each other; also, a bred series of *Idaea sylvestraria* (Hübn.) from Strensall Common, Yorks.

EMMET, A. M.—An aberrant example of *Xanthorhoe fluctuata* (L.) to m.v., Yealand Conyers, North Lancs., 26.v.1995. A *Eupithecia* species provisionally identified as *insigniata* (Hübn.), taken at m.v., in the same place on 22.v.1995. If it proves to be that species, then this will be an extension of its range in north-west England. Also a *Pelosia muscerda* (Hufn.), taken at m.v., at Saffron Walden, Essex on 11.viii.1995. This is assumed to be a migrant from the Continent and a first record for North Essex [VC 19].

EZARD, A. S.—The following migrants at Rudston East Yorks.: *Catocala fraxini* (L.) and *Agrius convolvuli* (L.), both to m.v. on 19.ix.1995; *Heliothis peltigera* ([D. & S.]), m.v., 13.x.1995; *Eurois occulta* (L.), m.v., 2 on 6.viii.1995, 1 on 12.viii.1995. Other records from E. Yorks.: at Rudston, *Lithophane leautieri hesperica* Bours.; at Bridlington, *Eupithecia intricata arceuthata* (Freyer) on 20.vi.1995 and 21.vi.1995 (K. Barrow); *Lomographa bimaculata* (F.) to m.v., Northcliffe Wood, 16.vi.1995; also in the same wood, *Dypterygia scabriuscula* (L.) on 13.vi.1995. The following moths were taken on 1.vii.1995 on Crowle Moor: *Idaea muricata* (Hufn.), *Mythimna pudorina* ([D. & S.]), *Cybosia mesomella* (L.), *Dypterygia scabriuscula* (L.) and *Lygephila pastinum* (Treits.).

FOSTER, A. P.—Two examples of *Photodes captiuncula* ssp. *expolita* (Staint.) from Cowside, between Malham and Arncliffe, Mid-West Yorks. Also single examples of three immigrant noctuids from the Dorset coast: *Mythimna vitellina* (Hübn.), to m.v., 11.x.1995, Abbotsbury; *Trigonophora flammea* (Esp.), to m.v., 14.x.1995, Portland; *Heliothis armigera* (Hübn.), to m.v., 14.x.1995, Portland.

GARDNER, A.—Six bred examples of *Trigonophora flammea* (Esp.). Also, from the Burren, Co's Clare and Galway: *Zygaena purpuralis sabulosa* Trem. (4), *Semiothisa clathrata hugginsi* (Baynes) (2), *Photodes captiuncula tincta* (Kane) (2), *Setina irrorella* (L.) (4), *Odontognophos dumetata hibernica* Forder.

HALL, N.—A bred series of *Conistra rubiginea* ([D. & S.]) from Reading, Berks.; *Eublemma parva* (Hübn.) and *Spodoptera exigua* (Hübn.) from Portland, Dorset taken 15–16.x.1995. Also a dark specimen of *Lithophane socia* (Hufn.) from Sandford, Wareham, Dorset 22.ix.1995.

HART, C.—An almost immaculate form of *Spilosoma lutea* (Hufn.) to light, Dawlish Warren, Devon, vi.1995. Also exhibited were an adult and a pupa of *Agrius convolvuli* (L.); the former came to m.v., at Buckland, Surrey and the latter was found as a larva at Bass Point, Lizard, Cornwall, 18.ix.1995.

HAYWARD, R.—Some interesting species from the m.v. trap or bred from the garden, Slough, Bucks.: *Aplocera efformata* (Guen.), to m.v., 24.v.1995, with obsolete markings; *Noctua fimbriata* (Schreber), a possible ab. *nigrescens* Busse, with a typical specimen for comparison; *Archanara sparganii* (Esp.), to m.v., 29.vii.1995.

HENWOOD, DR. B. P.—Two migrant species from Abbotskerswell, South Devon: *Heliothis armigera* (Hübn.), 13.x.1995 and *Cyclophora pupillaria* (Hübn.), 19.x.1995.

HIGGS, G. E.—Aberration of *Abraxas grossulariata* (L.) which was taken at light by M. Killeby, Stony Stratford, North Bucks., 12.vii.1995.

JENKINS, A. E.—*Eurois occulta* (L.), taken at light Rannoch, Perthshire; *Heterogenea asella* ([D. & S.]) taken at Ham Street, Kent; *Biston betularia* (L.), an

ab. taken at Loch Rannoch; *Cosmorhoe ocellata* (L.), an ab. taken at Chardstock, Devon (Plate IV, Fig. 16); *Tetheella fluctuosa* (Hübn.), an ab. taken at Chiddingfold, West Sussex; *Psodos coracina* (Esp.), taken at Coire Chuirn, Inverness-shire.

KENDRICK, R. C.—An interesting exhibit of *Thaumetopoea processionea* (L.). This appears to be one of three records from the Landguard Bird Observatory, Felixstowe, Suffolk. The specimen exhibited was taken by Mr M. Marsh on 4.viii.1995. Also exhibited was an example of *Scopula rubiginata* (Hufn.), to m.v., 19.vii.1995, Woodbridge, Suffolk; an example of *Eurois occulta* (L.) at light, 22.viii.1995, Minsmere Suffolk; an example of *Euphyia biangulata* (Haw.), to m.v., 27.vi.1995, Ryton Wood, War. This specimen was taken by the Ryton Wood Moth Recording Group.

KNILL-JONES, S. A.—An extensive exhibit of macrolepidoptera largely from Freshwater, Isle of Wight (unless otherwise stated). *Dryobotodes eremita* (F.), a dark black form, 11.x.1995, Cranmore; *Archearias parthenias* (L.), 8.iv.1995, Whitefield Woods, Ryde; *Idaea biselata* (Hufn.), 4.viii.1995; *Schrankia taenialis* (Hübn.), 25.vii and 3.viii.1995; *Epirrhoe rivata* (Hübn.), 11.vii.1995; *Hoplodrina ambigua* ([D. & S.]) ab. taken 22.viii.1995; *Ourapteryx sambucaria* (L.), a late date 2.xi.1994, wingspan only 32 mm; *Colotois pennaria* (L.), one light and one dark form; *Mythimna pallens* (L.), dwarf example, wingspan ony 23 mm; *Opisthograptis luteolata* (L.), an ab. with a white head; *Tholera cespitis* ([D. & S.]); *Thera cupressata* (Geyer), 20.x.1994 and 13.x.1995; *Stauropus fagi* f. *obscura* (Rebel); a bred series of *Rhodometra sacraria* (L.), bred ix.1995; *Euplagia quadripunctaria* (Poda), 16 and 30.viii.1995; *Heliothis armigera* (Hübn.), bred from a larva in imported tomatoes, 1.ii.1995; *Hadena lepida* (Esp.), a very pale form 8.v.1995; *Trigonophora flammea* (Esp.), 18.x.1995; *Drepana cultraria* (F.), Shalcombe Down, I.o.W.; *Chilodes maritimus* (Tausch.) ab. *bipunctata* (Haw.), 1.ix.1995; *Mythimna unipuncta* (Haw.), 27.xi.1994; *Scoliopteryx libatrix* (L.), 5.iv.1995; *Agrotis exclamationis* (L.), unnamed ab., 2.vii.1995; *Agrotis ipsilon* (Hufn.), 2 unnamed abs, 24.xi and 13.xii.1995; *Mythimna vitellina* (Hübn.), 6 and 7.x.1995; *Spilosoma lubricipeda* (L.), 29.xi.1994; *Hada nana* (Hufn.), ab., 30.v.1995; *Zygaena lonicerae* (Schev.) ssp. *latomarginata* Tutt, from Malvern, Worcs., vii.1995; *Orthosia opima* (Hübn.), 9.v.1995 and at Cranmore, I.o.W., 8.iv.1995; *Ennomos fuscantaria* (Haw.), a bred series emerged vii.1995; *Conistra rubiginea* ([D. & S.]), three bred from Cranmore, I.o.W., ix.1995.

KOLAJ, A.—An exhibit of moths from Co. Clare, v.1995: *Odontognophos dumetata hibernica* Forder, bred from larvae and *Hadena caesia manani* (Gregs.) with *Eupithecia venosata plumbea* Huggins from Doolin. Also, *Thaumetopoea processionea* (L.) and *Eurois occulta* (L.) from Sea Palling, Norfolk, 12.viii.1995; *Archanara algae* (Esp.) and *sparganii* (Esp.), bred from Ansty, East Sussex, 6.viii.1995; *Cabera exanthemata* (Scop.), ab. and a type specimen shown for comparison. Finally, *Adscita globulariae* (Hübn.), to m.v., Tilshead, Wilts, 1.vii.1995.

LANGMAID, DR. J.—*Eupithecia ultimaria* (Boisd.) (Plate IV, Fig. 17), two taken at m.v. light; larvae found on 30.vii.1995 and two bred from *Tamarix gallica*, larvae found 4.viii.1995 and emerged late ix/early x.1995. *Opisthographtis luteolata* (L.) f. *albescens* Cockerell, taken at m.v., Thornton, Northumbs., 14.vi.1995; *Cryphia algae* (F.), a specimen to m.v., Southsea, Hants., 26.vii.1995 (Plate IV, Fig. 10).

OWEN, D. F.—An exhibit demonstrating the rise and fall of melanism in *Biston betularia* (L.) to stimulate interest in this phenomenon and an appeal for recording information in 1996.

MCCORMICK, R.—*Malacosoma castrensis* (L.), examples from Axmouth, S. Devon where it was caught commonly at light on 31.vii.1995. Kent examples were shown for comparison. *Lampropteryx suffumata* ([D. & S.]), two extreme variations

of this species from Feshiebridge Inverness-shire, late v.1995. *Lampropteryx otregiata* Metc., a bred specimen, Holne, Chase, Dartmoor, Devon. *Thera obeliscata* (Hübn.), m.v., garden, Exmouth, South Devon, 31.viii.1995. *Hydriomena ruberata* (Freyer), bred specimens shown from larvae found at Trinafour, Perthshire, ix.1994. *Eupithecia abietaria* (Goeze), after specimens noted in a local collection captured in the mid-eighties, a follow-up resulted in a worn specimen from Bellever Forest on Dartmoor, 18.vii.1995. *Hydrelia sylvata* ([D. & S.]), examples from Dartmoor, 1995. *Trichopteryx carpinata* (Borkh.), bred from Feshiebridge, Inverness-shire, 1994. *Semiothisa carbonaria* (Clerck.), examples captured on Granish Moor, near Aviemore, 28.v.1995. *Hyles galli* (Rott.), taken at Prawle Point, South Devon, 12.viii.1995. *Agrotis ripae* (Hübn.), a well-marked specimen taken, unusually at Hartland Point, North Devon, 1.vii.1995. *Anarta melanopa* (Thunb.), seen commonly at Lecht, Aberdeenshire. *Hadena confusa* (Hufn.), two dark specimens, reminiscent of the Shetlands ab. *obliterae* Robson. *Enargia paleacea* (Esp.), examples from Budby Heath, Notts., taken at light, 19–22.viii.1995. *Macdunnoughia confusa* (Steph.), a specimen which laid infertile ova, from a light trap in Plymouth, 10.viii.1995. Also an oversized *Agrotis segetum* ([D. & S.]) from Teignmouth, Devon, taken 8.x.1994, measuring 46 mm across the wings, and in contrast a diminutive *Agrotis ipsilon* (Hufn.) from Prawle Point measuring only 34 mm across the wings, taken 29.ix.1995.

PHILLIPS, J. W.—*Heliothis viriplaca* (Hufn.), bred female from Maidscross Hill, Suffolk, 1995. *Arctia villica* ab. *flavo-abdominalis* Cock., bred from a larva found on Sinah Common, Hayling Island, Hants., 1993. *Egira conspicillaris* (L.), bred female from Kynaston Common, Herefordshire, 1994. *Mythimna turca* (L.), Richmond Park, Surrey, 1995. *Cyclophora linearia* (Hübn.), bred female, Tintern, Mon., 1994. *Elaphria venustula* (Hübn.), from Tugley Wood, Chiddingfold, Surrey, 1995. *Senta flammea* (Curtis), from Wicken Fen N.N.R., Cambs. *Lithomoia solidaginis* (Hübn.), from Drumguish, Inverness-shire, 1995. *Aporophyla lutulenta lunebergensis* (Freyer), also from Drumguish, 1995.

PICKLES, A. J. AND C.—*Hadena caesia* ssp. *mananii* (Gregs.), two specimens bred from the Isle of Skye. Also a long series of *Hadena confusa* (Hufn.) from a range of localities including Kent, Surrey, South and North Cornwall, North Devon, West Argyll, Skye and Unst (Shetland). It showed darker and more obscure forms to predominate in Shetland and North Devon.

PLANT, C. —An exhibit of scarce immigrants recorded in the Bishop's Stortford area in 1995: *Eurois occulta* (Linn.), from Parndon Wood Nature Reserve, 19.viii.1995, a much later date than others recorded and having the facies of a freshly emerged specimen; *Trachea atriplicis* (L.) 10.viii.1995, this is an extinct British breeding species, last recorded as having bred here in 1915, it is a common species in Europe; *Macdunnoughia confusa* (Steph.), 30.viii.1995, a westward spreading Palaearctic species which has started appearing in Britain since 1951.

REID, J. W.—The following migrants were exhibited: *Thaumetopoea processionea* (L.), one male to light, Meldreth, Cambs., 13.viii.1995; *Agrotis crassa*, (Hübn.), Chesterford Park, Saffron Walden, Essex, 13.viii.1995, a single female which laid a few ova from which a dozen or so larvae were feeding; *Rhodometra sacraria* (L.), one, 13.x.1995, a buff coloured specimen possibly indicating that it had bred here.

REVELL, R. J.—The following macrolepidoptera were exhibited, all from Cambridge, unless stated otherwise: *Xanthorhoe fluctuata* (L.), lacking a median fascia; *Colostygia olivata* ([D. & S.]) from Porlock, Som.; *Apamea scolopacina* (Esp.), 26.viii.1995, (first county record); *Protoschinia scutosa* ([D. & S.]), 2.viii.1995; *Heliothis viriplaca* (Hufn.), 2.viii.1995.

SHARPE, S.—The following moths taken or found as larvae at Carrbridge, Inverness-shire, 1–6.iv.1995: *Xylena vetusta* (Hübn.) and *exsoleta* (L.), *Brachionycha nubeculosa* (Hufn.), *Dasypolia templi* (Thunb.), *Cryphia domestica* (Hufn.), *Phragmatobia fuliginosa* ssp. *borealis* (Stdgr), *Achlya flavicornis* ssp. *scotica* Tutt, *Ellopia fasciaria* (L.) and *Xanthorhoe fluctuata* (L.).

SIMS, I.—An exhibit of the following moths taken at Medmenham, Bucks., unless otherwise stated: *Catarhoe cuculata* (Hufn.), m.v., Warberg, Bix, Oxon., 21.vii.1995; *Discoloxia blomeri* (Curt.), Homefield Wood, 10.vi.1995; *Abraxas sylvata* (Scop.), m.v., Homefield Wood, 7.vii.1995; *Semiothisa liturata* (Clerck), Bernwood Forest, Oxon., 23.v.1995; *Deileptenia ribeata* (Clerck), m.v., Homefield Wood, 7.vii.1995; *Cucullia lychnitis* (Rambur), larvae, vii.1994 and *verbasci* (L.), larvae, on *Scrophularia* sp., vi.1994; *Xanthia aurago* ([D. & S.]), to m.v., 25.ix.1994; *Apamea sublustris* (Esp.), to m.v., Homefield Wood, 10.vi.1995; *Colocasia coryli* (Hufn.), adults from Hambleden, larvae bred on *Fagus*, emerged 21.iii.1992, also bred from Henley-Hill Wood, em. 8.iii.1989; *Polychrysia moneta* (F.), Rothamstead light trap, Chigwell Row, Essex, 25–27.vi.1982; *Lygephila pastinum* (Treits.), m.v., Homefield Wood, 10.vi.1995; *Hypena rostralis* (L.), m.v., Knowl Hill, Berks, 1.v.1994.

SKINNER, B. F.—A male *Luperina dumerilii* (Dup.), from the Lizard, Cornwall, 7.ix.1983 (Plate IV, Fig. 2). Also the following aberrant examples of macrolepidoptera taken or bred in 1995: *Tetheella fluctuosa* (Hübn.) f. *albilinea* Cockayne, Loch Arkaig, Argyllshire, 26.vi.1995; melanistic *Eilema deplana* (Esp.), Windsor Forest, Berks., 28.vii.1995 (Plate IV, Fig. 4); a heavily banded form of *Semiothisa liturata* (Clerck), Windsor Forest, 28.vii.1995 (Plate IV, Fig. 13); a weakly marked *Eupithecia pulchellata* (Steph.), Loch Arkaig, 26.vi.1995; a pale *Peribatodes rhomboidaria* ([D. & S.]), Sandwich, Kent, 12.viii.1995. Specimens of *Entephria flavicinctata* (Hübn.), bred from larvae collected in Co. Antrim, N. Ireland, v.1995, together with examples of the paler ssp. *flavicinctata* (Hübn.), from Yorks. and the darker ssp. *ruficinctata* (Guenée).

On behalf of Lynn Hirst, a male *Thaumetopoea processionea* (L.), a male taken in her garden light trap at Sholden, Kent, 10.viii.1995.

SKINNER, B. F. AND CLANCY, S.—A joint exhibit of *Peribatodes manuelaria* (H.-S.), from a female taken at Lydd, Kent, on 4.viii.1994 by K. Redshaw. They emerged both in 1994 and 1995. The display also included photographs of the larvae in different instars, the pupa and the living adult.

SMITH, E. G. AND M. H.—An exhibit of some interesting macrolepidoptera from Wilts.: *Meganola strigula* ([D. & S.]), one to m.v., Great Wood, 12.vii.1994, rare in Wilts.; *Meganola albula* ([D. & S.]), one to m.v., Bullen Hill Farm, VC 8, 26.vii.1995, new Wilts. record.

WARING, P.—News from some projects on British moths in 1995 in conjunction with JNCC, CCW, EN, SNH, Butterfly Conservation and BENHS. *Eriopygodes imbecilla* (F.), was investigated in its haunts in Wales, a project commissioned by the Countryside Council for Wales. It was found to be more widespread than previously thought. *Coenocalpe lapidata* (Hübn.) was studied in its rushy haunts by a Scottish National Heritage project and an account given of its rearing in captivity. It was not thought to be much more widespread than previous records suggested. *Siona lineata* (Scop.): English Nature's Species Recovery Programme worked upon a third locality for this moth which was found in 1995. *Acosmetia caliginosa* (Hübn.) was also a subject of the recovery programme and flew again on mainland Britain in 1995 for the first time since the early 60s.

As part of his exhibit, the following were also shown: *Dyscia fagaria* (Thunb.), recorded at two sites in Monmouthshire in 1995, first records for the county

(G. A. N. Horton, pers. comm.); a variant *Agrotis exclamationis* (L.), an unusual specimen taken at m.v., Helpston, Northants, 19.vii.1995 by Malcolm Hillier; *Thaumetopoea processionea* (L.), taken at m.v., Helpston, Northants, by M. Hillier.

WARD, J.—An ab. of *Camptogramma bilineata* (L.), bred from Newton, Northants.

WARNE, B. J.—An exhibit of moths taken in the recorder's garden at Ryde, Isle of Wight, unless otherwise stated: *Meganola strigula* ([D. & S.]), to m.v., first in 6 years, 5.v.1995; *Cyclophora punctaria* (L.), a black and grey streaked ab., 18.viii.1995; *Agrotis vestigialis* (Hufn.), 21.vi.1995; *Hypena crassalis* (F.), to m.v., first in 6 years, 9.vii.1995; *Rheumaptera undulata* (L.), 29.vi.1995, only the second record for the garden; *Hypena rostralis* (L.), taken at Ryde by Mr D. Peach, first autumn record; *Cosmia affinis* (L.), to m.v., 4.viii.1995, first record for garden; *Agrotis clavis* (Hufn.), to m.v., a very dark form, 5.vii.1995; *Spodoptera exigua* (Hübn.), to m.v. on 6.viii and 9.ix.1995; *Archiearis parthenias* (L.), netted by day, Whitefield Woods, Ryde, 20.iii.1995; *Chloroclysta truncata* (Hufn.), ab., 11.x.1995; *Heliothis armigera* (Hübn.), seven specimens in all between 12 and 27.x.1995; *Rhodometra sacraria* (L.), a normal and a pink specimen, 11 and 21.x.1995.

WEDD, D.—Macrolepidoptera captured or bred in 1995: *Agrotis ripae* (Hübn.), contrasting forms from Devon, Essex and S. E. Ireland; *Agrotis vestigialis* (Hufn.), a strongly marked form from Findhorn, Morayshire; *Paradiarsia glareosa* (Esp.), from Melvich, Sutherland, with a specimen approaching form *edda* (Staint.); *Zygaena purpuralis* ssp. *sabulosa* Trem. from Co. Clare, showing the typical coastal form and a small inland "montane" form from Aglish; *Chrysodeixis chalcites* (Esp.), bred from female taken West Wittering, Sussex, 11.viii.1995; *Spodoptera exigua* (Hübn.),? new to Henley-on-Thames, Oxon; *Thera britannica* (Turn.), extreme ab. from Melvich, Sutherland, taken on 2.viii.1995 (Plate IV, Fig. 15), on sand dunes, an improbable place and date; *Agrochola haematidea* (Dup.), bred from Sussex ova, emerged 29.v.1995; *Luperina nickerlii demuthii* Goater & Skinner, from Essex showing heavily suffused hindwings (the majority of specimens seen were like this and may have been due to the hot summer); *Hadena caesia* ssp. *mananii* (Gregs.), from the Flaggy Shore, Co. Clare, a new locality; *Hypena obsitalis* (Hübn.), a short series from a new locality in Dorset; *Gortina borellii lunata* (Freyer), bred on celeriac, from an Essex locality; *Gnophos* group was illustrated with *obfuscatus* ([D. & S.]), from Scottish and Irish localities to show distinct differences and also *Odontognophos dumetata hibernica* Forder from Co. Clare bred 1995; *Lymantria monacha* (L.), a range of specimens bred over three years, originally from Bockmer End, Marlow, these demonstrated the rapidity of change in a species; *Noctua comes* (Hübn.), a colour range of specimens taken or bred in 1994–5, from Findhorn, Morayshire (e.g. Plate IV, Fig. 5).

YOUNG, D.—The following specimens were exhibited: *Synanthedon myopaeformis* (Borkh.), larvae of all sizes were collected from ornamental cherry trees from a suburban road in West London, showing a preference for those with dark red flowers, larvae collected iv.1995 and emerged 6.v–24.vi.1995; a series of *Chloroclysta citrata* (Linn.) from Inverness-shire showing an incredible amount of variation and markings; *Eugnorisma depuncta* (L.), fairly common at sugar and m.v., 12–18.viii.1995, in the Aviemore and Kingussie areas; *Paradiarsia sobrina* (Dup.), not uncommon in the Aviemore and Kingussie areas in viii.1995; *Apamea oblonga* (Haw.), two specimens from Keyhaven, Hants., to m.v., 8.viii.1995; *Aplocera plagiata scotica* Rich., two specimens taken at m.v., Drumguish, near Kingussie, viii.1995; *Scopula ornata* (Scop.), three specimens from the North Downs, Surrey, 23.v.1993 and 25.vii.1995; *Archanara neurica* (Hübn.), Walberswick, Suffolk, 27.vii.1995; fairly common at m.v., *Aporophyla lutulenta luenebergensis* (Freyer),

specimens from Drumguish, Inverness-shire, viii.1995; *Antitype chi* (L.), also a series from Drumguish, viii.1995.

BRITISH MICROLEPIDOPTERA

AGASSIZ, D.—*Monopis monachella* Hübn., Sandwich, Kent, 12.viii.1995, new county record; *Cydia medicaginis* Kuznetsov, Gravesend, Kent, 27.vi.1995, new county record; *Eccopisa effractella* Zeller (Pyralidae), Buckingham Palace Gardens, 13.vii.1995, new to Britain (Plate IV, Fig. 20).

BEAUMONT, H. E.—*Calybites phasianipennella* Hübn., West Melton, Rotherham, S. Yorks., VC63, 28.vii.1995, there are only two previous Yorkshire localities, both in VC63; *Depressaria weirella* Staint., West Melton, Rotherham, S. Yorks., VC63, several vii.1995, *Blastobasis decolorella* Woll., West Melton, Rotherham, S. Yorks., VC63, 25.vi.1995; *B. lignea* Wals., West Melton, Rotherham, S. Yorks., VC63, 3.viii.1995; *Stenolechia gemmella* L., West Melton, Rotherham, S. Yorks., VC63, 23.viii.1995, apparently the first Yorkshire record for 50 years; *Mompha subbistrigella* Haw., West Melton, Rotherham, S. Yorks., VC63, 15.vi.1995; *Piercea vectisana* H. & W., Conheath, Glencaple, Dumfries, VC72, several on R. Nith banks, first Scottish record?; *P. alismana* Rag., Rushy Moor, Askern, S. Yorks., VC63, pupae in stems of water plantain, 23.iv.1995, moths reared in May, first Yorkshire record; *Epinotia demarniana* F. v R., Treeton Dyke, Rotherham, VC63, 4.vi.1995, Crowle, Moors, Lincs., VC63, 1.vii.1995; *Margaritia sticticalis* L., Hooton Roberts, Rotherham, S. Yorks., VC63, 18.viii.1995; *Leioptilus lienigianus* Zell., West Melton, Rotherham, S. Yorks, VC63, 31.viii.1995.

BLAND, K. P.—*Caloptilia leucapennella* Steph., Mailermore Wood, Glen Artney, Perths., VC88, 5.viii.1995, NN7518, Laggan Wood, Comrie, Perths., VC88, 16.ix.1995, NN7623, Campsie Hill Wood, Perths., VC89, 31.viii.1995; *Eutromula diana* Hübn., still present in Glen Affric, E. Inverness-shire, VC96, several seen there 16.viii.1995; *Elachista bedellella* Sirc., reared from mines in *Helictotrichon* grass collected Linkim Bay, Berwickshire, NT9265, VC81 on 15.vi.1995, imago emerged 9.vii.1995; *E. regificella* Sirc., a very scarce species in S. E. Scotland with only four known localities; this specimen reared from mines in *Luzula sylvatica* collected in Dura Den, Fifeshire, NO4115, VC85, 10.vi.1995, imago emerged 16.vii.1995; *Schiffermuelleria similella* Hübn., Glendoll, Lodge, Angus, NO2776, VC90, 9.vii.1995; *S. subaquilea* Staint., Craigmead, Lomond Hills, Fife, VC85, 10.vi.1995, NO2205, Craig Melton, Glen Doll, Augus, VC90, 9.vii.1995; *Reuttia subocellea* Steph., Linkim Bay, Berwickshire, NT9265, VC81, many imagines flying around wild thyme, 15.vi.1995, larval cases feeding on thyme at same site 22.viii.1995, this appears to be a new food plant for the species in Britain; *Ancylis tineana* Hübn., larval workings in *Betula pubescens* now discovered, heavily grazed dwarf birches are chosen, the larva makes rough spinnings of leaves and lives in a frass-coated silk tube within the spinning, see *Ent. Gaz.* (in press) for details, larva collected at Struan Wood, Perthshire, NN7965, VC88, on 4.ix.1994, imago emerged 15.v.1995.

BRITTON, M. R.—A year for Yorkshire ancylids: *Ancylis geminana* Don., Bridestones Moor, N. Yorks. Moors, larva 30.viii.1994, adult 23.v.1995, Jugger Howe Bec, Scarborough, 23.v.1995; *A. uncella* D. & S., Jugger Howe Beck, Scarborough, 23.v.1995; *A. upupana* Treits., Skipwith Common, Selby, beaten from birch 31.v.1995, apparently new to Yorkshire.

BROTHERIDGE, D. J.—The following from Wiltshire: *Oegoconia deauratella* H.-S., Wroughton, 21.vii.1994, 13.vii.1995, 30.vii.1995, 12.viii.1995; *Blastobasis decolorella*

Woll., Swindon, 10.vii.1995; *Epiphyas postvittana* Walk., Wroughton, 30.viii.1995; *Eucosma conterminana* H.-S., Wroughton, 20.vii.1993, 4.vii.1994, 11.vii.1995, 1.viii.1995; *Alucita hexadactyla* L., Wroughton, 22.vii.1995, Swindon, 9.viii.1994; *Pyrausta cespitalis* D. & S., a small brightly marked form, Beckhampton, 18.viii.1990; *Margaritia sticticalis* L., Wroughton, 10.viii.1995, 22.viii.1995.

BROWN, D. C. G.—A selection of migrants caught on the Lizard, Cornwall: *Hymenia recurvalis* F., 17.x.1995; *Hellula undalis* F., 9.x.1995; *Euchromius ocellea* Haw., 14.x.1995; *Uresiphita polygonalis* D. & S., 17.x.1995.

CARTER, D.—Moths from Buckingham Palace Gardens in the National Collection: a drawer showing some of the pyralid moths collected over a period of more than 30 years. In 1995 a further 10 species were added to the already impressive list of 600 species of Lepidoptera from the gardens. Amongst this year's new additions is the pyralid moth *Eccopisa effractella* Zell., a species new to the British list (see D. Agassiz, above).

CLANCY, S. P.—A few species of Pyralidae including three migrant species and two scarce resident species. The migrants comprised specimens of *Antigastra catalaunalis* Dup. from Dungeness, 12.x.1995; *Euchromius ocellea* Haw. from Dungeness, 27.vii.1995; and *Hellula undalis* F., from Lydd, Kent on 14.ix.1995. The residents included examples of *Microstega pandalis* Hübn. from Kent and *Homoeosoma nebulella* D. & S., from Suffolk.

COLENUTT, S.—*Evergestis limbata* L., Chale Green, Isle of Wight, 14.vii.1995; *Margaritia sticticalis* L., Chale Green, Isle of Wight, 11.viii.1995; *Homoeosoma sinuella* F. ab. from St Catherines, Isle of Wight, 19.vii.1995.

CORLEY, M. F. V.—*Pediasia aridella* Thunb., Redlynch Common, Wilts., VC8, 7.vii.1995, normally a coastal species. Species refound in VC22: *Aethes francillana* F., Pucketty Farm, Faringdon, 17.vii.1995, previous VC records 1899 and 1901; *Cochylis hybridella* Hübn., Gozzards Ford, Abingdon, last recorded 1913; *Ectoedemia atrifrontella* Staint., Bagley Wood, 2.viii.1995, last recorded 1920; *Biselachista utonella* Frey, Gozzards Ford, Abingdon, 31.vii.1995, last recorded before 1929; *Cydia gallicana* Guenée, Pucketty Farm, Faringdon, 27.vii.1995, also seen in 1994, previous record before 1929. Uncommon VC22 species: *Aethes dilucidana* Steph., Pucketty Farm, Faringdon, 31.viii.1995; *Calamotropha paludella* Hübn., Gozzards Ford, Abingdon, 31.vii.1995; *Caryocolum proximum* Haw., Pucketty Farm, Faringdon, bred 3.vii.1995 from *Stellaria media*; *Pammene aurantiana* Staud., Pucketty Farm, 2.viii.1995.

CRAMP, P. J.—*Stenoptilia lunaedactyla* L., 1.vii.1995, Blackgang, Isle of Wight; *Ypsolopha sequella* Clerck, 19.viii.1995, Parkhurst, Isle of Wight; *Eurrhypara perlucidalis* Hübn., 27.vii.1995, Godshill, Isle of Wight, new VC record; *Ephestia figulilella* Greg., x.1991, Godshill, Isle of Wight, new VC record.

CRONIN, A. R.—*Evergestis limbata* L., Portslade, Sussex, 11.ix.1995, one at light in garden.

DICKERSON, B.—*Ectoedemia amani* Svensson, discovered in Waresley Wood, Hunts. (VC31) on 12.vii.1994. A photograph of the genitalia dissection of the first *E. amani* found in Britain was shown, along with a reduced copy of the plate from Johansson *et al.*, *Fauna Ent. Scand.* 23. Also shown were three examples of *E. amani* taken in Waresley Wood on 10.vii.1995.

DOBSON, A. H.—*Blastobasis decolorella* Woll., North Baddesley, Hants, 9.vi.1995, one at m.v. light, third county record of this rapidly spreading species; *Epiphyas postvittana* Walker, Basingstoke, 8.x.1995, at m.v. light, the furthest inland Hants record; *Pseudargyrotoza conwagana* F., a dark form, Bartley Heath Reserve, Hants; *Pediasia contaminella* Hübn., Dawlish Warren, Devon, 25.vii..1960 and *P. aridella*

Thunb., Dawlish Warren, 24.vii.1968, the first Devon 20th century specimens of both species; *Evergestis extimalis* Scop. and *Sitochroa palealis* D. & S., both species at Maidscross Hill, Suffolk field meeting, 15.vii.1995; *Margaritia sticticalis* L., Starcross, Devon, 4–6 and 8.viii.1995, two specimens of this migrant at Rothamsted light trap; *Phlyctaenia perlucidalis* Hübn., Abbotsworthy, Hants, 5.vi.1995, disturbed in a water meadow, a new locality.

ELLIOTT, B.—*Caloptilia leucapennella* Steph., bred from leaf cones on *Quercus ilex*, Tresco, Isles of Scilly, x.1994; *Crocidosema plebejana* Zell., bred from stems of *Lavatera arborea* St Mary's, Isles of Scilly, x.1994; *Nothris congressariella* Bruand, bred from spun leaves of *Scrophularia nodosa*, Tresco, Isles of Scilly, x.1995; *Margaritia sticticalis* Boisd., Allerthorpe Common, Yorks., 3.viii.1995, four others seen at same locality a few days earlier by N. Gill. Subsequently, further imagines were seen at Portland and Winchester a week later; the Portland specimen laid and the progeny were hibernating as full grown larvea. *Leioptilus chrysocomae* Rag., Blean Woods, Kent, bred *Solidago* stems viii.1995; *Piercea alismana* Rag., Hilton, Derbyshire, bred stems of *Alisma plantago aquatica*, 6.viii.1995; *Aethes beatricella* Wals., Sawley Derbys., bred from old *Conium* stems vii.1995; *Lampronia rubiella* Bjerk., Linacre, Derbyshire, vi.1995; *Exapate congelatella* Cl., Beeley Moor, Derbys., very common, 3.xi.1995.

EMMET, A. M.—*Coleophora salicorniae* Wocke, taken at m.v. light at Saffron Walden, Essex on 26.vii.1995, about 40 miles from its salt-marsh breeding ground; *Apotomis lineana* D. & S., Saffron Walden, Essex, taken at m.v., 11.viii.1995, a rare species in Essex.

FOSTER, A. P.—*Ochsenheimeria vacculella* (F. v. R.), Great Coxwell, Berks., VC22, 7.viii.1995, adults found congregating in rot holes of ash and oak trees: *Crocidosema plebejana* Zell., Church Ope Cove, Portland, Dorset, VC9, 14.x.1995; *Sitochroa palealis* D. & S., Cricklade, N. Wilts., VC7, at m.v., 27.vii.1995; *Callamotropha paludella* Hübn., Cricklade, N. Wilts., VC7, at m.v., 6.viii.1995, possibly the first county record.

HALL, N.—*Numonia suavella* Zinck., Earley, Reading, Berks., bred 1995 from *Cotoneaster*; apparently a new food plant.

HART, C.—*Platyptilia tesseradactyla* L., a short series mostly reared from two sites in the Burren, County Clare: the exhibitor went at the end of May for the adults but found the season so late most individuals were still in pupa. The larva feeds on the rootstock and developing leaves of *Antennaria dioica* and the pupa is hidden in the cavity formed by a newly opening leaf as it grows away from the main rosette. The larva secures the leaf in place with silk to prevent the leaf opening further and the pupa being exposed. *Agdistis bennetii* Curtis, a single example which came to a garden trap at Buckland near Reigate, Surrey on 20.viii.1995. This coastal plume which feeds on sea lavender, is well known as a wanderer on warm nights and can turn up at light many miles from the sea. Members may recall a specimen exhibited by G. Higgs in 1994, which was caught at Willen near Milton Keynes.

HARVEY, M.—*Choreutis pariana* Clerck, Homefield Wood, BBONT Reserve, Bucks., 25.ix.1994; *Argyresthia semifusca* Haw., Upper Basildon, Berks., 27.viii.1995; *Ypsolopha alpella* D. & S., 3.viii.1995, Upper Basildon, Berks.; *Depressaria badiella* Hübn., Thatcham Reedbeds, Berks., 28.vii.1995; *Pancalia leuwenhoekella* L., Hurley Chalk Pit, BBONT Reserve, Berks., 2.v.1994, Homefield Wood, BBONT Reserve, Bucks., 15.v.1994; *Margaritia sticticalis* L., Upper Basildon, Berks., 3.viii.1995, at m.v., one of two seen; *Phlyctaenia perlucidalis* Hübn., Parsonage Moor, BBONT Reserve, Berks., 10.vi.1995; *Mecyna flavalis flaviculalis* Caradja, Hartslock Nature Reserve, BBONT, Oxon, 10.vii.1995.

HENWOOD, B. P.—Photograph of *Phyllonorycter* mines on *Trifolium repens*; they appear to be those of *P. nigrescentella* Log., which has not been previously recorded

on *Trifolium* in this country. They were found in a garden at Abbotskerswell, Devon.

KENDRICK, R. C.—*Opostega crepusculella* Zell., Ryton Wood, War., second county record; *Blastobasis decolorella* Woll., Cheylesmore, Coventry, War., this species is now common in Coventry, occurring in some abundance for several years; *B. lignea* Wals., Coventry, War., 1994, 1995; *Epagoge grotiana* F., Ryton Wood, War., third county record; *Eudemis profundana* D. & S., Cheylesmore, Coventry, War., 18.viii.1993, Ryton Wood, War.; *Pseudosciaphila branderiana* L., Ryton Wood, War., 8.vii.1993 at m.v.; *Ancylis upupupana* Treits., Ryton Wood, War., at m.v., 8.vii.1993, second county record; *Agriphila latistria* Haw., Ryton Wood, War., at m.v., 29.viii.1993; *Agriphila selasella* Hübn., Ryton Wood, War., 21.vii.1993, at m.v.; *Margaritia sticticalis* L., Minsmere NR, Westleton, East Suffolk, 2.viii.1995, at light; *Phycitodes saxicola* Vaughan, Cheylesmore, Coventry, War., 15.viii.1995, at m.v., second county record (det. B. Skinner). The high number of unusual records in one night at Ryton Wood, Warwickshire shows the degree of under-recording of smaller moths. This wood was considered to be well recorded, but only a small amount of the area had been regularly worked, thus on 8.vii.1993, when a previously unworked part of the reserve was monitored, that so many "unusual" records occurred should not be a surprise.

KNILL-JONES, S. A.—All the following recorded from the Isle of Wight: *Tortricodes alternella* D. & S., Binstead, 7.ii.1995; *Acleris cristana* D. & S., Whitefield Woods, 28.iv.1995; *Ptychloma lecheana* L., The Causeway, Freshwater, 30.v.1995; *Dichomeris marginella* F., Freshwater, 12.vii.1995; *Anacampsis blattariella* Hübn., Ryde, 28.iv.1995; *Depressaria pastinacella* Dup., Shalcombe Down, 9.viii.1995; *Ypsolopha parenthesella* L., Shalcombe Down, 9.viii.1995; *Udea fulvalis* Hübn., Freshwater, 11 and 17.vii.1995; *Plodia interpunctella* Hübn., Freshwater, 22.v.1995; *Scoparia pyralella* D. & S., ab., Tennyson Down, 4.vi.1995; *Hellinsia* (*Leioptilus*) *carphodactyla* Hübn., High Down, Freshwater, 25.vii.1995; *Heterographis oblitella* Zell., Freshwater, 21 and 22.viii.1995; *Acleris emargana* F., Fort Victoria, three; *Epinotia solandriana* L., Freshwater, 2.viii.1995; *Pyrausta cingulata* L., High Down, Freshwater, 25 and 31.vii.1995; *Epiblema foenella* L., Cranmore, 2.viii.1995; *Hedya salicella* L., Freshwater, 26.vii.1995; *Crocidosema plebejana* Zell., Freshwater, 23.x.1995.

LANGMAID, J. R.—*Coleophora currucipennella* Zell., Ham Street, Kent, 14.vii.1995, two at m.v.; *Bisigna procerella* D. & S., Ham Street, Kent, 14.vii.1995; *Sitotroga cerealella* Ol., Southsea, Hants, one taken at m.v., 28.vii.1995, new to Hampshire; *Neofriseria singula* Staud., a series of four bred from *Rumex acetosella*, Enfield, Middx, larvae found 8.vi.1995, emerged 2–22.vii.1995; *Caryocolum proximum* Haw., two bred from *Stellaria media*, Petts Wood, Kent, larvae found 18.v.1995, emerged 24.vi.1995; *Cochylis molliculana* Zell., Thorney Island, Sussex, one bred from *Picris echioides*, larva found 11.ix.1994, emerged 18.vi.1995, new to Sussex; *Acleris logiana* Clerck, Botley Wood, Hants, one bred from *Betula pubescens*, larva found 17.ix.1994, emerged 15.x.1994; *Apotomis semifasciana* Haw., Botley Wood, Hants, two bred from *Salix cinerea*, larvae found 19.v.1995, emerged 29–30.vi.1995; *Epinotia fraternana* Haw., a particularly boldly marked specimen beaten from *Abies grandis* at Charterhall Wood, Berwickshire, 13.vi.1995; *Eucosma tripoliana* Barr., Farlington Marshes, Portsmouth, Hants; a unicolorous specimen, 10.viii.1995 (Plate IV, Fig, 18) *Cryptophlebia leucotreta* (Meyr.), Southsea, Hant, 11.viii.1995, a perfect male specimen taken at m.v.; *Acrobasis tumidana* D. & S., a single specimen taken at m.v. at Southsea, Hants, 30.vii.1995, second authenticated VC11 record.

MCCORMICK, R.—*Agapeta zoegana* L. f. *ferrugana* Haw., Great Haldon, Devon, 10.vii.1995; *Aphelia viburnana* D. & S., Hartland Point, Devon and Hurley near

Fernworthy Reservoir, Dartmoor, all in 1995; *A. paleana* Hübn., Hartland Point, Devon and Hurley, Dartmoor, all in 1995. *A. unitana* Hübn., Hartland Point, at light, 1995, det. subject to confirmation; *Eudonia alpina* Curtis, Grannish Moor, Aviemore, several 28.v.1995; *Eurrhypara terrealis* Treits., abundant at light, Hartland Point and Shipload Bay, North Devon, 1.vii.1995; *Udea decrepitalis* H.-S., in several locations along the coast of Loch Arkaig, 30 and 31.v.1995; *Platyptilia calodactyla* D. & S., larvae at one location in North Devon, moths at light at another also in North Devon; *Hellinsia* (*Leioptilus*) *tephradactyla* Hübn., larvae at one location in North Devon, moths at light at another location again in North Devon, all in 1995.

O'KEEFFE, D.—From Kent: *Caryocolum proximum* Haw., Petts Wood, bred from *Stellaria media*, vii.1995; *Gelechia senticetella* Staud., Petts Wood at m.v., now established in the area; *Monochroa niphognatha* Gozm., Stodmarsh, at m.v., 20.vi.1995; *M. elongella* Hein., Stodmarsh, at m.v., 20.vi.1995; *Coleophora currucipennella* Zell., usually a scarce species, but common at Ham Street, at m.v., 11.vii.1995; *Cosmopterix zieglerella* Hübn., from a new colony at Swanley 3.vii.1995; *Phalonidia curvistrigana* Staint., ex *Solidago*, Ham Street, vii.1994; *Eucosma aemulana* Schläg., ex *Solidago*, Ham Street and Thornden Wood, vii.1995; *Hellinsia* (*Leioptilus*) *chrysocomae* Rag., ex *Solidago*, Thornden Wood, vii.1995. From Scotland: *Aethes rutilana* Hübn., bred ex *Juniperus communis nana*, Beinn Eighe, Wester Ross, vi.1995; *Swammerdamia compunctella* H.-S., bred ex *Sorbus aucuparia*, Beinn Eighe, Wester Ross, vi.1995; *Archinemapogon yildizae* Koçak, bred ex *Piptoporus*, Forres Inshriac and Alvie, Inverness, 5.viii.1995. From Kent: *Caloptilia falconipennella* Hübn., typical form bred x.1993 and at m.v. iv.1995, with f. *oneratella* taken at m.v. vii/viii.1993-95, first records of the summer generation f. *oneratella* in Britain, all from Petts Wood. From Hampshire: *Psammotis pulveralis* Hübn., Matley Bog, female, taken by day 1995.

PARSONS, M. S.—A selection of species recorded in 1994–1995 including: *Margaritia sticticalis* L., Richmond Park, Surrey, 11.viii.1995; *Pammene inquilina* Fletch., Richmond Park, 17.iv–1.v.1995; *Tinea columbariella* Wocke, bred from larvae feeding on dead insects killed by an Insect-o-Cutor, Richmond Park, viii.1994, and Raynes Park, Surrey, 29.vii.1995; *Monopis fenestratella* Heyd., Richmond Park, 20.vi.1995 (Plate IV, Fig. 19); *Niditinea piercella* Bentinck, Richmond Park, 18.vi.1995; *Aroga velocella* Zeller, Richmond Park, 22.vii–26.viii.1995; *Apomyelois bistriatella neophanes* Durr., Raynes Park, 14.viii.1995; *Euzophera cinerosella* Zell., Raynes Park, 3.vii.1995; *Platyedra subcinerea* Haw., Richmond Park, 6.v.1995; *Gelechia senticetella* Staud., Raynes Park, 31.vii–16.viii.1995; *Caloptilia populetorum* Zell., Raynes Park, 20.vii.1995; *Ancylosis oblitella* Zell., Sandwich Bay, Kent, 12.viii.1995; *Scoparia ambigualis* Treits, dark almost unicolorous form, Malham Tarn, Yorks., 29.vi.1995; *Olethreutes palustrana* L. & Z., Malham Tarn, 29.vi.1995; *Sitochroa palealis* D. & S., Thorney Island, Sussex, larvae 11.ix.1994; *Scoparia pyralella* f. *alba* Tutt, Holywell, Sussex, 11.vi.1995; *Eudonia lineola* Curt., Cow Gap, Sussex, 26.vii.1995; *Acleris logiana* Clerck, Havant Thicket, Hants. 2.iv.1995; *Cydia succedana* f. *asseclana*, Glen More, Easterness, 26.vi..1995; *Eudarcia richardsoni* Wals., Church Ope Cove, Portland, Dorset, larvae 28.ii.1995; *Telephila schmidtiellus* Heyd., Rodborough Common, W. Glos., larvae 20.v.1995 and Eastbourne, larva v.1995; *Elachista subocellea* Steph., Barnsley Warren, Glos., 20.v.1995 and Eastbourne, E. Sussex, 27.v.1995.

SIMS, I.—*Eriocrania haworthi* Bradley, Medmenham, Marlow, Bucks., 7.iv.1995; *E. sangii* Wood, Bear Wood, Wokingham, Berks, 2.iv.1995; *E. semipurpurella* Steph., Bramshill Plantation, Bramshill, Hants, 14.iv.1995; *Ectoedemia argyropeza*

Zell., Hainault Forest, Chigwell Row, Essex, in aspen, 6.xi.1992, bred 4.v.1993; *E. atricollis* Staint., adults and cocoons in crab apple, Medmenham, Marlow, Bucks, 19.x.1994, bred 12.v.1995; *E. occultella* L., Burnham Beeches, adults and cocoons in birch, 31.x.1994, bred 5.v.1995; *E. subbimaculella* Haw., adults and cocoons, in oak (*Quercus robor*), Medmenham, Marlow, Bucks., 31.x.1994, bred 21.iv.1995; *E. heringi* Toll, Lower Earley, Reading, Berks., 23.x.1994, bred 2.v.1995; *Stigmella floslactella* Haw., Medmenham, Marlow, Bucks., in hazel, 6.x.1994, bred 1.iv.1995; *S. basiguttella* Haw., Winnersh Triangle, Reading, Berks., 24.x.1994, adults and cocoons in oak, bred 22.iv.1995; *S. malella* Staint., Medmenham, Marlow, Bucks., in apple cultivar (*Malus* sp.), 26.x.1994, bred 27.iv.1995; *S. regiella* H.-S., Medmenham, Marlow, Bucks., adults and cocoons, 8.x.1994, bred 1.v.1995; *S. microtheriella* Staint., Pheasant Wood, Hambleden, Marlow, Bucks., mine in oak, 19.x.1994, bred 9.v.1995; *S. alnetella* Staint., Medmenham, Marlow, Bucks., adults and cocoons in alder (*Alnus glutinosa*), 10.x.1994, bred 19.v.1995; *Tischeria ekebladella* Bjerk., Medmenham, Marlow, Bucks., adults and mine with pupal exuvae, in oak 3.xi.1994, bred 28.iv.1995; *T. angusticolella* Dup., Hainault Forest, Chigwell Row, Essex, adults and mine with pupal exuvae, in dog-rose 6.xi.1992, bred 12.ii.1993; *Incurvaria pectinea* Haw., Bramshill Plantation, Bramshill, Hants., 14.iv.1995; *Nemophora metallica* Poda, Homefield Wood, Medmenham, Marlow, Bucks., 26.vii.1995; Warburg Wood, Bix, Oxon, 21.vii.1995 and Hambleden, Marlow, Bucks., 30.vii.1995, all netted at flowers of *Knautia arvensis*; *N. rufimitrella* Scop., Lower Earley, Reading, Berks., 20.v.1994; *Taleporia tubulosa* Retz., Bear Wood, Wokingham, Berks., 2.iv.1995, bred 27.iv.1995 and Winnersh Triangle, Reading, Berks., 5.v.1990, bred 19.v.1990; *Luffia lapidella* Goeze, male and female cases from its Cornish locality, already emerged 15.viii.1995; *Bacotia sepium* Spey., Bramshill, Plantation, Bramshill, Hants., 14.iv.1995, parasite and case, hatched 22.iv.1995, host larva alive when found; *Infurcitinea argentimaculella* Staint., Medmenham, Marlow, Bucks., old wall, adults and larval tube, 31.iii.1995, hatched 7.v.1995; *Nemapogon clematella* F., Medmenham, Marlow, Bucks., adults and larval working mining in the fungus *Diatrype disciformis* and dead hazel from old coppice, 2.v.1995, hatched 15.v, 22.v, 23.v and 15.vii.1995; *Tinea semifulvella* Haw., Warburg Wood, Bix, Oxon, 21.vii.1995, in m.v. trap; *Leucoptera laburnella* Staint., Hambleden, Marlow, Bucks., on *Laburnum anagyroides*, 22.vi.1995, hatched 3.vii.1995; *L. spartifoliella* Hübn., Lower Earley, Berks., on *Sarothamnus scoparius*, cocoons, bred 28.v.1995; *Calybites auroguttella* Steph., Lower Earley, Reading, larval folds and cocoons on *Hypericum perforatum*, 16.ix.1992, bred 1.xii.1992; *Phyllonorycter platani* Stdgr, South Kensington, London, adults and mine in plane (*Platanus acerifolia*), 22.x.1994, hatched 22.ii.1995; *P. lantanella* Schr., Homefield Wood, Medmenham, Marlow, Bucks., in *Vibernum lantana*, mines in stunted bushes, low down amongst grasses, 17.ix.1995, hatched 21.x.1995.

C. falconipennella Hübn., summer adults: alder, Medmenham, Marlow, Bucks., 21.vi.1995, hatched 10.vii.1995 and Lower Earley, Reading, Berks., 26.vi.1994, hatched 4.vii.1994. Folds and cocoon: Medmenham, Marlow, 21.vi.1995. Autumn adult: Medmenham, Marlow, 23.x.1995, hatched 25.x.1995, intermediate form between *oneratella* and typical autumn form. Field work and rearing experiments have shown this species has two generations in southern England, as is the situation in Europe. The summer generation is quite unlike the autumn generation (this is also true of the first generation in Europe) and is referable to *oneratella*. Denis O'Keeffe and David Agassiz have examined specimens of both generations microscopically and found no structural differences between them. The apparent sudden extention of this species' range in the UK (four new county records last year, VCs 12, 22, 23 and

24) and now this oddity make it worthy of further study. Perhaps this is more evidence of a warming of climate.

Argyresthia brockeella Hübn., Burnham Beeches, Slough, Bucks., larvae descending from birch 12.iii.1995, hatched 19.iv.1995.

SKINNER, B.—Malham Tarn, Yorks., *Scoparia ambigualis* Treits., 29.vi.1995, specimens of the dark form; *Dioryctria mutatella* Fuchs, Windsor Forest, two melanic examples, 21.vii.1995; *Phlyctaenia stachydalis* Germ., bred specimens from larvae collected in Devon together with photographs of half grown and full grown larvae.

SMITH, E. G. AND M. R.—Some interesting Wiltshire Lepidoptera: *Telephila schmidtiellus* Heyd., series bred from *Origanum vulgare*, collected, Ford (VC7), 8.vi.1995, moths emerged 7.vii.1995, new for Wilts., *Coleophora onosmella* Brahm, series bred from cases collected *Echium vulgare*, Shrewton Folly (VC7), 5.v.1995, first time the cases have been found in Wilts.; *Monochroa hornigi* Staud., Savernake (VC7), one taken m.v., 29.vi.1994, gen. det., new for Wilts.; *Reuttia subocellea* Steph., Ford (VC7), larvae on *Origanum vulgare*, 31.x.1994, bred 17.vii.1995; *Coleophora virgaureae* Staint., Bentley Wood (VC8), cases on *Solidago virgaurea*, moths bred; *Depressaria chaerophylli* Zell., Ashton Common, series bred from *Chaerophyllum temulentum* collected 20.vi.1994, moths emerged 5.viii.1994, new for Wilts.; *Aplota palpella* Haw., Redlynch (VC8), at m.v., 16.vii.1994; *Coleophora therinella* Tengst., Savernake (VC7), one at m.v., 29.vi.1994, gen. det., new for Wilts.; *Hellinsia* (*Leioptilus*) *carphodactyla* Hübn., Ford (VC7), 21.vi.1994, new VC record; *Pterophorus baliodactylus* Zell., Ford (VC7), 17.vii.1994, new VC record; *Coleophora limosipennella* Dup., Ashton Common (VC8), moths emerged second half of June 1994; showing the early stages of larval case and example of final case, new for Wilts.

STERLING, P. H. AND M. J.—*Stigmella acetosae* Staint., Portland, bred from mines on *Rumex acetosa* collected 7.vi.1995 by MJS; *Lampronia fuscatella* Tengst., Higher Hyde Nature Reserve, Dorset, at m.v., 15.vi.1995 by PHS; *Pachythelia villosella* Ochs., a male from one of many cases found in 1994 and 1995 at Haymoor Bottom, Poole, VC9, by PHS. In the past few years cases have been found on other VC9 heaths including Arne, Creech, Gore, Holt, Studland and Turners Puddle, as well as Merritown Heath and Town Common, both in VC11. The species continues to occur throughout the Dorset heaths, occasionally in local abundance. *Eudarcia richardsoni* Wals., Punfield Cove, Swanage, Dorset, VC9; one case of several found in ii.1995 by PHS, M. Parsons *et al.* It was last seen at this site in the 1890s; elsewhere it is only known from Portland (British endemic). *Nemapogon variatella* Clem., Stoke Common, Bucks., VC24, bred from *Piptoporus betulinus* collected in winter 1994 by MJS; *Epermenia insecurella* Staint., Portland, Dorset, VC9, bred from larvae on *Thesium humifusum*, collected 9.vi.1995 by MJS; *Biselachista serricornis* Staint., Studland National Reserve, Dorset, VC9, collected by day 24.v.1995 by PHS; *Monochroa suffusella* Doug., Studland National Nature Reserve, Dorset, VC9, by day on 24.v.1995 by PHS, new VC record; *Cosmopterix lienigiella* L. & Z., Holton Heath National Nature Reserve, Dorset, VC9, bred from mines on *Phragmites* collected 14.x.1994 by PHS; *Piercea luridana* Greg., Portland, bred from larva on *Bartsia odontites* collected 12.viii.1994 by PHS; *Cydia prunivorana* Rag., Weymouth, Dorset, VC9, at m.v., 10.vii.1995 by PHS, new VC record; *C. cosmophorana* Treits., Warmwell Heath, Dorset, by day on 30.v1995 by PHS; *Homoeosoma nebulella* D. & S., Frome St Quintin, Dorset, at m.v. on 20.viii.1995 by PHS.

STERLING, P. AND DAVEY, P.—Potential Immigrant Lepidoptera to Dorset caught by Dorset Moth Project contributors during 1995: *Hellula undalis* F., Gaunts Common, 11.x.1995 (P. Davey); *Margaritia sticticalis* L., Gaunts Common,

5.viii.1995 (P. Davey); *Psammotis pulveralis* Hübn., Sixpenny Handley, 28.vii.1995 (P. Davey); *Antigastria catalaunalis* Dup., Gaunts Common, 11.x.1995 (P. Davey); *Hymenia recurvalis* F., Portland, 11.x.1995 (M. Cade); *Etiella zinckenella* (Sodoffsky), Christchurch, 11.viii.1995 (M. Jeffs); *Ancylosis oblitella* Zell., Hartland Moor, 6.viii.1995 (P. Davey).

WARNE, B. J.—*Sitochroa palealis* L., netted by day at Newtown rifle ranges, Isle of Wight, 20.vii.1995, nectaring on a saw-wort flower; *Ostrinia nubilalis* Hübn., Binstead, Ryde, Isle of Wight, at m.v., 23.viii.1995(2), 25.viii.1995(1); *Margaritia sticticalis* L., at m.v., Binstead, Ryde, Isle of Wight, 7.viii.1995, 21.viii.1995; *Ancylosis oblitella* Zell., Binstead, Ryde, Isle of Wight, at m.v., 15.viii.1995.

WEDD, D.—*Ancylosis oblitella* Zell., Henley-on-Thames, Oxon, 21.viii.1995; *Sclerocona acutellus* Evers., 20.vi.1995, Henley-on-Thames, Oxon.

WOOLDRIDGE, D. B.—*Schoenobius gigantella* D. & S., The Causeway, Freshwater, Isle of Wight, 1.viii.1995.

FOREIGN LEPIDOPTERA

CORLEY, M. F. V.—(1) Pterophoridae from Portugal, 22 out of a total of 35 species recorded for Portugal: *Agdistis tamaricis* Zell., *A. satanas* Mill., *A meridionalis* Zell., *A. frankeniae* Zell., *A. heydeni* Zell., *A bifurcata* Agenjo, *Crombrugghia laeta* Zell., *C. distans* Zell., *Stangeia siceliota* Zell., *Marasmarcha lunaedactyla* Haw., *Amblyptilia punctidactyla* Haw., *Stenoptilodes taprobanes* Felder & Rogenhofer, *Stenoptilia zophodactyla* Dup., *Tabulaephorus punctinervis* Const., *Calyciphora adamas* Const., *Merrifieldia leucodactyla* Hübn., *M. malacodactyla* Zell., *Gypsochares baptodactylus* Zell., *Pterphorus olbiadactylus* Mill., *Emmelina monodactyla* Linn., *Hellinsia inulae* Zell. and *H. osteodactyla* Zell..

(2) Geometridae, Ennominae from Portugal, 45 out of the 111 species recorded in the country. These were all collected in the southern half of Portugal, mostly in the Algarve, but a few in Alentejo. The northern half of the country has a greater number of species in this subfamily, because the majority of them occur in woodland, particularly deciduous woodland. In the southern half of Portugal, nearly all the woodland is evergreen. Here, a number of species are associated with shrubs such as *Cistus*, *Erica* and *Juniperus*; others feed on lichens and a few on herbaceous plants. The species exhibited were *Stegania trimaculata* Vill. in two strikingly different forms, *Itame vincularia* Hübn., *Tephrina inconspicuaria* Hübn., *Enconista miniosaria* Dup., *Gnopharmia stevenaria* Boisd., *Rhoptria asperaria* Hübn., *Menophra abruptaria* Thunb., *M. japygiaria* Costa, a very variable species, *Afriberina terraria* Bang-Haas, *Calamodes occitanaria* Dup., *Peribatodes abstersaria* Boisd., *P. rhomboidaria* D. & S., *P. manuelaria* H.-S., another variable species, *Selidosemia brunnearia* subsp. *olivierata* Mab., possibly an endemic Portuguese subspecies, *S. taeniolaria* Hübn., *Ekboarmia atlanticaria* Stdgr, *Hypomecis punctinalis* Scop., *Adactylotis gesticularia* Hübn., *Tephronia cineraria* D. & S., *Lycia hirtaria* Cl., *Aleucis distinctata* H.-S., *Campaea honoraria* D. & S., *C. margaritata* Linn., *Petrophora chlorosata* Scop., *P. narbonea* Linn., *P. convergata* Vill., *Pachycnemia hippocastanaria* Hübn., *Sthanalia tibiaria* Ramb., *Opisthograptis luteolata* Linn., *Pseudopanthera macularia* Linn., *Toulgoetia cauteriata* Stdgr, *Selenia lunularia* Hübn., *Ennomos fuscantaria* Steph., *Crocallis elinguaria* Linn., *C. dardoinaria* Donzel, *Gnophos perspersatus* Treits., *G. mucidarius* Hübn., *G. variegatus* Dup., *G. predotae* Schawerda, *G. obscuratus* D. & S., *Aspitates ochrearia* Rossi, *Iberafrina penulataria* Hübn., *Dyscia distinctaria* Bang-Hass, *Onychora agaritharia* Dardoin and *Compsoptera opacaria* Hübn..

DOBSON, A. H.—(1) Rhopalocera from the coast of Corfu between Nissaki Beach Hotel and Agni, 16–22.ix.1995: *Gegenes pumilio* Hoffmsg, *Muschampia proto* Ochs., *Gonepteryx cleopatra* L., *Artogeia krueperi* Stdgr, *Melitaea didyma* Esp., *Hipparchia aristaeus senthes* Fruh., and *H. syriaca* Stdgr, which was the commonest species in flight at the time, unusually late, probably because of inclement weather that had prevailed during August.

(2) Heterocera: a sample of species occurring at the Nissaki Beach Hotel lights during the same period, with indication of their relative frequency. Pyralidae: *Duponchelia fovealis* Zell. (c.), *Hydriris ornatalis* Dup. (f.c.), *Antigastra catalaunalis* Dup. (sc.), *Endotricha flammealis* D. & S. (f.c.), *Herculia incarnatalis* Zell. (sc.), *Lamoria anella* D. & S. (c). Geometridae: *Xenochlorodes beryllaria* Warr. (sc.), *Idaea filicata* Hübn. (f.c.), *Scopula minorata ochroleucaria* H.-S. (c.), *Menophra japygiaria* Costa (sc.), *Nychiodes dalmatina* Wagner (sc.), *Gnophos sartatus* Treits. (c.), *Aspitates ochrearia* Rossi (sc). Thaumetopoeidae: *Thaumetopoea solitaria* Freyer (f.c.). Ctenuchidae: *Dysauxes famula* Frey. (v.c.). Arctiidae: *Cymbalophora pudica* Esp. (sc.), *Eilema caniola* Hübn. (v.c.). Noctuidae: *Agrotis crassa* Hübn. (sc.), *Mythimna prominens* Walk. (sc.), *M. putrescens* Hübn. (sc.), *M. loreyi* Dup. (sc.), *Mniotype solieri* Boisd. (sc.), *Dysgonia algira* L. (sc.), *Orectis proboscidata* H.-S. (sc.), *Pechipogo plumigeralis* Hübn. (sc.).

(3) Heterocera from Cyprus, 8–14.xii.1994. A sample from Paphos streetlights. Pyralidae: *Evergestis isatidalis* Dup. (f.c.). Geometridae: *Larentia clavaria* Haw. (c.), *Dasycephala modesta* Stdgr (sc.). Arctiidae: *Ocnogyna loewii* Zell. (c.). Noctuidae: *Cucullia chamomillae* D. & S., genit. det. (c.), *Mniotype leuconota* H.-S. (f.c.), *Aporophyla australis ingenua* Freyer (sc.), *A. canescens* Dup. (f.c.), *A. nigra* Haw. (v.c.), *Xylena exsoleta* L. (sc.), *Platysenta viscosa* Freyer, (sc.). From Agios Neophytes Monastery. Pyralidae: *Hellula undalis* F., *Antigastra catalaunalis* Dup. Noctuidae: *Spodoptera cilium* Guen. From Kykkou Monastery. Noctuidae: *Polymixis flavicincta* D. & S. From Polis. Pyralidae: *Duponchelia fovealis* Zell.

EDWARDS, DR. P. J.—A collection of moths, and one butterfly, from Prov. Gerona, Spain, caught 11–23.ix.1995. The butterfly was an extreme aberration of *Syntarucus pirithous* L., plain buff-brown without any markings; a typical male was shown for comparison. All the moths were taken in an m.v. trap; they included *Cucullia argentea* Hufn., two of which had been caught in the same area in September 1986, and which has been shown only recently to be very local in this restricted part of Spain; *Parascotia nisseni* Turati, a rare south-European species which resembles a small *P. fuliginaria* L.; *Hydraecia osseola hucherardi* Mab., very local in S. W. Europe, its distribution being dependent, as in Britain, on the presence of the food plant, marsh mallow (*Althaea*); *Ochropleura leucogaster* Freyer, a very rare immigrant to Britain which bears a strong resemblance to the common *O. plecta* L., and others such as *Eublemma ostrina* Hübn. and *Protoschinia scutosa* D. & S.

GOATER, B.—A selection of Heterocera taken in Bulgaria 12–26.ix.1995. (1) Melnik, S. W. Bulgaria. Noctuidae: *Eugnorisma pontica* Stdgr, common at sugar and light; *Xestia cohaesa* H.-S., also seen commonly in the East Rhodopi mountains; *Autophila ligaminosa* Evers., three specimens found in a cave. (2) Kresna Gorge, S. W. Bulgaria. This famous locality produced a wealth of species unknown in western Europe. Geometridae: *Nychiodes dalmatina* Wagner. Arctiidae *Eilema morosina*, H.-S. Noctuidae: *Divaena haywardi* Tams, *Polyphaenis subsericata* H.-S. and *Praestilbia armeniaca* Stdgr, as well as the more widespread *Atethmia ambusta* D. & S., *Cryphaea ochsi* Boursin, *C. rectilinea* Warren and *Abrostola agnorista* Dufay. (3) East Rhodopi Mountains, S.E. Bulgaria. Pyralidae: *Agriphila dalmatinella* Hamps., *Pediasia matricella* Treits., *Evergestis serratalis* Stdgr, all common.

Lemoniidae: *Lemonia balcanica* H.-S., males only, at light. Thaumetopoeidae: *Thaumetopoea solitaria* Freyer, males common at light. Geometridae: *Scopula ochraceata* Stdgr, *Eupithecia ericeata* Rambur, the beautiful south-east European "thorn" *Eumera regina* Stdgr, *Nychiodes waltheri* Wagner, *Peribatodes correptaria* Zell., *Gnophos sartatus* Treits. Noctuidae: two specimens of the rare *Leucania herrichi* H.-S., *Episema tersa* D. & S., *E. lederi* Christ., *E. korsakovi* Christ., *Aporophyla canescens* Dup., *Polymixis serpentina* Treits., *Agrochola osthelderi* Boursin, *Cryphaea seladona* Christ. subsp. *burgeffi* Draudt, *C. amasina* Draudt, strongly-marked *Luperina dumerilii* Dup., *Acontia urania* Friv., *Euchalcia consona* F. and *Orectis proboscidata* H.-S. (4) Black Sea coast, including the famous "Silberküste" near Balchik. Pyralidae: *Euchromius ocellea* Haw., *Spermatophthora hornigi* Led. Geometridae: *Eupithecia variostrigata* Alph., *Dyscia sicanaria* Zell. Noctuidae: *Mycteroplus puniceago* Boisd., found rather commonly inside a hotel and a supermarket, whence specimens had been attracted to light, and dark specimens of *Luperina rubella* Dup.

HALL, N.—(1) *Cucullia reisseri* Boursin, *C. verbasci* L. and *C. lychnitis* Ramb., bred from larvae found feeding together on hoary mullein (*Verbascum pulverulentum*), Arlanzón, Prov. Burgos, Spain. The species could be separated easily as larvae, though two of the *C. reisseri* were very different from the others, and it was hoped that they would produce a fourth species, *C. thapsiphaga* Treits. Each species was displayed in two columns separated on the basis of hindwing colour, females having darker hindwings than males. One underside of each species was also shown. The cocoons were overwintered outdoors in a meat safe (never getting wet). When brought indoors in May, all the pupae were cut out of their cocoons, even though this is considered inadvisable, not least because *Cucullia* pupae often lie over for two or more winters. However, 30 out of 32 emerged, none of the adults was deformed and no parasites were obtained. The two remaining pupae had died.

(2) Bred *Macrothylacia digramma* Meade-Waldo, from eggs obtained in Portugal by a friend. Gomez Bustillo & Fernandez-Rubio, *Mariposas de la Peninsula Iberica*, treat *M. digramma* as a subspecies of *M. rubi* L., and state that the larva feeds again in March and April, after hibernation. De Freina & Witt, *Bombyces und Sphingides der Westpalaearktis*, give *M. digramma* as a separate species, with subspecies *alfacaria* Ribbe occurring in Portugal, but give no information at all about the larvae. The exhibitor was therefore uncertain how the larvae would behave when they approached full growth. Three larvae were put into separate boxes in the refrigerator after they had finished feeding in the autumn. In January they were removed and offered evergreen oak (*Quercus ilex*) and subjected to an 18-hour per day light cycle. After a week they had not eaten anything or pupated, so they were returned to the refrigerator for a further two weeks. On removal, they spun up immediately without feeding, producing the three moths displayed. An attempt was made to overwinter the rest of the larvae in a large tray of peat with evergreen oak, replaced regularly, laid on top. Half the tray was exposed to the weather. Larvae were observed wandering about a month or two, but more and more mouldy larvae were found until it was supposed that all had died. However, further investigation revealed that eight larvae had buried themselves in the peat and that six of them had not yet turned mouldy. Eventually, three survived the winter buried in the peat. Of these, one spun up and died as a pupa, one pupated without spinning up and then died, and one emerged properly.

(3) Bred *Clostera anastomosis* L. A female of this species was caught at light in the Marais de Chautagne, Savoie, Central France, on 20.vi.1995, and obliged with eggs. The larvae fed communally on poplar, with a near 100% survival rate, spun up in the

poplar leaves, and produced a second generation of moths in late July and August. Specimens of the other three European *Clostera* species, *C. curtula* L., *C. anachoreta* D. & S. and *C. pigra* Hufn. were shown for comparison.

(4) An unidentified hadenid aberration from Ile d'Olonne, Vendée, France.

(5) *Idaea saleri* Dominguez & Baixeras compared with *I. carvalhoi* Herbulot. Specimens of the recently described *I. saleri* (1992, *Nota Lepid.* **15 (2)**: 102–105) were exhibited from Cullera, Prov. Valencia, Spain, June and August 1994 and El Fangar, Ebro Delta, Prov. Tarragona, Spain, 7.ix.1995, and of *I. carvalhoi* from Caniles, Prov. Granada, Spain, June 1994. Both species are very dark, blackish, in colour, with unusually elongated wings, but those of *I. carvalhoi* are distinctly longer and the bases of the antennae and frons are shining white, whereas in *I. saleri* these parts are concolorous with the rest of the insect. Dominguez & Baixeras state that *I. saleri* is known from a single locality, El Saler, south of Valencia. The Cullera locality is only about 15 km south of El Saler, but the Ebro Delta is some 200 km further north.

(6) Moths from Fuerteventura, Canary Islands, December 1944. All were collected from lights around the hotel in Jandia 17–31.xii.1994. The lights were all fitted with "low energy" bulbs which seem quite attractive to moths. The following were exhibited. Pyralidae: *Ancylosis convexella* Led., *Cornifrons ulceratalis* Led., *Pseudarenipses insularum* Speidel & Schmitz. Noctuidae: *Tathorhynchus exsiccata* Led., *Earias insulana* Boisd., *Agrotis herzogi* Rebel.

(7) Moths from France and Switzerland incorporated into exhibits of species which may be of interest to British collectors, as follows. France, June 1995: (i) Bois de Merles, Meuse, 15–16.vi: *Herminia tarsipennalis* Treits., *Pechipogo strigilata* L., *Photedes extrema* Hübn., *Leucodonta bicoloria* D. & S., *Salebriopsis albicilla* H.-S., *Sciota hostilis* Steph. (ii) Marais de Cormoranche, Ain, 17, 18 and 21.vi: *Siona lineata* Scop., *Pechipogo strigilata* L., *Hypena rostralis* L., *Lygephila viciae* Hübn., *Lithacodia deceptoria* Scop., *Paradiarsia punicea* Hübn. (iii) Marais de Chautagne, Savoie, 19 and 22.vi: *Trisateles emortualis* D. & S., *Paracolax tristalis* F., *Macrochilo cribrumalis* Hübn., *Eucarta amethystina* Hübn. (iv) Chapelle des Bois, Doubs, 25.vi: *Plagodis pulveraria* Linn., *Fagivorina arenaria* Hufn., *Hyppa rectilinea* Esp. (v) Boujailles, Doubs, 26 and 27.vi: *Thera stragulata* Hübn., *Ecliptopera capitata* H.-S., *Hypena crassalis* F., *Catephia alchymista* D. & S., *Acronicta strigosa* D. & S., *Cucullia lactucae* D. & S., *Xestia collina* Boisd.

France, July/August 1995: (i) Col de la Lèbe, Ain, 27.vii: *Peribatodes secundaria* Esp., *Phlogophora scita* Hübn. (ii) Marais de Chautagne, 29 and 31.vii: *Drepana curvatula* Borkh., *Polypogon gryphalis* H.-S., *Herminia tarsicrinalis* Knoch, *H. tenuialis* Rebel, *Deltotes candidula* D. & S. (iii) Montclergeon, Haute-Savoie, 30.vii: *Schrankia taenialis* Hübn., *Amphipyra perflua* F. (iv) Forêt de Tavel, Gard, 2 and 4.viii: *Dysauxes famula* Freyer, *Eublemma suava* Hübn. (v) Boujailles, 13.viii: *Ephesia fulminea* Scop.

Switzerland, August 1995: (i) Pfynwald, Valais, 7 and 9.viii: *Dysauxes ancilla* L., *Pelosia muscerda* Hufn., f. *umbrata* Urbahn, *Herminia lunalis* Scop., *H. tarsipennalis* Treits., *Athetis gluteosa* Treits., *Hypena rostralis* L., *Calamia tridens* Hufn. (ii) Zeneggen, Valais, 8.viii: *Lymantria monacha* L., *Hypena obesalis* Treits., *Xestia speciosa* Hübn.

Mr Hall also presented an annotated display illustrating problems of identification of European *Eilema* species and of Cyclophorinae, and in differentiating *Semiothisa notata* L. from *S. alternaria* Hübn.

KENDRICK, R. C.—A presentation of Lepidoptera collected in Hong Kong between 22.vii and 6.ix.1994, being part of an undergraduate project on habitat preference of moth species. About 150 species were shown, including about 21 which

were thought to be undescribed and a number new to Hong Kong. Most collecting was done at night, but during the daytime, many photographs were taken of habitats, butterflies and of moth species being encountered at night. The folder containing the report was placed nearby, and visitors to the Exhibition were invited to peruse it. A graceful acknowledgement to those who had helped him was included.

PARKER, R.—An exhibit of butterflies (Rhopalocera) encountered during a single weekend in Serbia, from the ancient relict area of Topli Do, a warm valley, and the Stara Planina massif on the border between Serbia and Bulgaria, altitude between 750 and 1000 m. Seventy species were seen; a voucher specimen of every species encountered was retained, and the exhibit comprised 47 of these. Some of the others were on loan, others had been retained by a colleague, Pedrag Jaksic, who had conducted the exhibitor to the localities, and a few common species were not shown. A joint paper covering a wider range of localities in the same area is planned for the near future.

WAITE, P.—An extreme and beautiful male underside aberration of *Plebicula dorylas* Higgins taken on 6.vii.1986 on Mont Sirac, Valgaudemar, Hautes Alpes, France, compared with a normal underside, 19.vii.1987, from Biescas, Prov. Huesca, Spain.

WARING, P.—Some photographs of moths seen on a recording expedition to Poland, including a larva of *Hadena irregularis* Hufn. on *Silene otites* from sandy fringes of the Biebrza Marshes, and a specimen of *Catocala pacta* Linn. feeding at a wine rope set out in the Marshes. Photographs of the habitat were also shown.

WINTER, P. Q.—A selection of macrolepidoptera taken 13–19.v.1995 in a locality near Nevers, France, including second generation specimens of *Melitaea cinxia* L., bred from ova laid in Yorkshire, which had emerged in late August. Also *Erynnis tages* L., *Quercusia quercus* L. bred from a larva beaten from oak, *Scopula floslactata* Haw., *Paradarisa similaria* Hufn. (=*extersaria* Hübn.), a large form of *Ematurga atomaria* Hübn., *Hemaris fuciformis* L., *Peridea anceps* Goeze and *Craniophora ligustri* D. & S., all of which are widespread in Britain. The hawkmoth, *Proserpinus proserpina* Pall., of which there is a single British record. Several species which are local, rare migrants, or extinct in Britain: *Drepana curvatula* Borkh., *Sabra harpagula* Esp., *Lithosia quadra* L. from a larva beaten from oak, *Actinotia polyodon* Cl., *Egira conspicillaris* L., *Moma alpium* Osbeck, *Acronicta auricoma* D. & S. and *Trachea atriplicis* L. Species hitherto unrecorded from Britain were *Boloria dia* L., *Cerura erminea* Esp. and *Ochrostigma melagona* Borkh.

DIPTERA

This year *Myopites inulaedyssentericae* Blot took over as the most frequently exhibited tephritid. As usual a good range of Syrphidae and "larger Brachycera" were exhibited and Conopidae appear to have had a good year (13 species by 5 exhibitors). While some sun-loving species had evidently benefited from the weather conditions in 1995 it was a rather poor year for the more moisture-oriented groups of flies. Four species new to the British list were exhibited, three of them by Peter Hodge; all had been found in earlier years but only recently identified.

ALEXANDER, K. N. A. AND FOSTER, A. P.—Flies found in 1995 by the National Trust's Biological Survey: *Dictenidia bimaculata* (L.) (Tipulidae), Fallowlees Burn, Northumberland, 20.vii; *Oxycera dives* Loew (Stratiomyidae), same site, 21.vii; *O. morrisii* Curt., Thoragill Beck, Yorkshire Dales, 13.vii; *O. pardalina* (Meig.), Pipers Grove, Glos., 29.vi; *Stratiomys potamida* (Meig.) (Stratiomyidae), Cambo Quarry, Northumberland, 19.vii; *Symphoromyia crassicornis* (Panz.) (Rhagionidae), Cowside

Beck, Yorkshire Dales, 13.vii; *Acrocera orbicula* (F.) (Acroceridae), Fallowlees Burn, Northumberland, 21.vii; *Brachyopa scutellaris* R.-D. (Syrphidae), Alder Bed, Golden Cap, Dorset, 18.v.

CHANDLER, P. J.—(1) *Chrysopilus erythrophthalmus* Loew (Rhagionidae) (Plate III, Fig. 10), second Scottish and fifth British record: cattle-grazed field by River Mouse Water near Lanark, 15.vii.1995, a female like all other British records; a female of the common species *C. cristatus* (F.) was also exhibited for comparison.

(2) *Nanna multisetosa* Hackman (Scathophagidae), male from Woodwalton Fen, Cambs., 24.v.1980. New to Britain; recently recorded from Ireland (Speight, M. C. D., 1995, *Ir. Nat's J.*, **25**: 113–115). This has been confused with *N. flavipes* (Fall.), exhibited for comparison, which is frequent in the south of England, but all Irish records have proved to be *N. multisetosa*, which may have a more northerly distribution in Britain.

(3) A selection of flies collected in North America in 1994: the three eastern Nearctic species of *Keroplatus* (Keroplatidae)—*K. carbonarius* Bosc, Coote's Paradise, Ontario, 20.viii (collected by A. E. Stubbs); *K. militaris* Joh., Hunter's Point, Michigan, 2.ix; *K. clausus* Coq., Catfish Creek, Ontario, 10.ix and Coote's Paradise, Ontario, 20.viii; *Palloptera superba* (Loew) (Pallopteridae), Elora Gorge, Ontario, 22.viii; *Chymomyza amoena* (Loew) (Drosophilidae), Spencer's Gorge, Ontario, 20.viii, on rotten apples (this species has been introduced into central Europe, where it develops in chestnuts as well as apples); *Sphyracephala brevicornis* (Say) (Diopsidae), Coote's Paradise, Ontariio, 20.vii and near Arkell, Ontario, 23.viii (the only North American stalk-eyed fly, which has rather short broad stalks); *Lepidophora* species (Bombyliidae), Algonquin Park, Ontario, 29.viii; *Bombyliopsis* (= *Hystricia*) *abrupta* (Wied.) (Tachinidae), Stonington, Michigan, 2.viii and Catfish Creek, Ontario, 10.ix; *Spilomyia* species (Syrphidae), showing mimicry of a *Dolichovespula* species (Vespidae), also exhibited, both at *Solidago* flowers, Algonquin Park, Ontario, 29.viii (both have the abdomen black on more than the basal half with narrow yellow markings on the remainder).

(4) *Calotarsa pallipes* (Loew) (Platypezidae), male from Old Nairn road, Ontario, 31.viii and females from Algonquin Park, Ontario, 28.viii on the honey fungus *Armillaria mellea*, the food plant; with drawings of the male hind-tarsal structure of this and the other four species of the genus (all North American); the male of each species has specific silver and black flag-like structures on the hind tarsi, which are used in aerial courtship displays.

HACKETT, D.—Syrphidae collected in 1995: *Xanthogramma citrofasciatum* (De Geer) at anthill, Tottenham Triangle railway land, London, 22.v; *Sphaerophoria rueppellii* (Wied.), Alexandra Park, Haringey, London, 13.vi; *Parhelophilus versicolor* (F.) on *Typha* at Gunnersbury Triangle, N.R., Middx.; *Mallota cimbiciformis* (Fall.) at *Viburnum* flowers, same site, 21.vi; *Criorhina floccosa* (Meig.) at sap run on *Fagus*, Sandy Heath, Hampstead, Middx.; *Sericomyia silentis* (Harris) at *Hedera* flowers, Grafham, West Sussex, 3.ix.

HALSTEAD, A. H.—Some local flies collected in 1995: *Limnophila pulchella* (Meig.) (Limoniidae), north end of Mortimer's Meadows, Dinton Pastures, Berks., 8.iv; *Eutolmus rufibarbis* (Meig.) (Asilidae), reared from larva in soil, Brookwood, Surrey, emerged 7.vi; *Nephrocerus flavicornis* Zett. (Pipunculidae), near River Loddon, Dinton Pastures, Berks.; *Microdon analis* Macq. (= *eggeri* Mik) (Syrphidae), swept from heather, Whitmoor Common, Surrey, 11.vi; *Xylota tarda* (Meig.) (Syrphidae), Loch Libo, Renfrewshire, 8.vii; *Myopa fasciata* (Meig.) (Conopidae), wet grassland at Worts Gutter, New Forest, Hants, 12.viii; *M. tessellatipennis* Mots. (Conopidae), north end of Mortimer's Meadows, Dinton Pastures, Berks., 8.iv; *Euphranta*

toxoneura (Loew) (Tephritidae), on *Salix* near Baders Way, Dinton Pastures, 20.v; *Myopites inulaedyssentericae* Blot (Tephritidae), on *Pulicaria dysenterica*, Chobham Common, Surrey, 22.viii; *Micropeza lateralis* (Meig.) (Micropezidae), Silchester Common, Hants, 19.viii; *Braula coeca* Nitzsch (Braulidae), on queen honeybee *Apis mellifera* L., RHS Garden, Wisley, Surrey, 15.ix.

HAWKINS, R. D.—A selection of the Syrphidae and all species of Conopidae found in 1995 on W. Kent (Spring Park and West Wickham) and Surrey (other 4 sites) commons owned and managed by the Corporation of London: *Rhingia rostrata* (L.), West Wickham Common, 2.viii; *Pipiza austriaca* (Meig.), Spring Park, 6.vi; *Helophilus trivittatus* (F.), Farthing Downs, 8 and 10.viii; *Volucella inanis* (L.), Riddlesdown, 17.vii; *Epistrophe diaphana* (Zett.), Riddlesdown, 9.viii; *Thecophora atra* (F.), Riddlesdown, 16.vi and West Wickham Common, 5.ix; *Physocephala rufipes* (F.), Farthing Downs, 31.vii and Kenley Common, 3.viii; *Sicus ferrugineus* (L.), Spring Park, 28.vi and Kenley Common, 3.viii; *Conops ceriaeformis* (Meig.), West Wickham Common, 2.viii and Spring Park, 18.viii; *C. quadrifasciatus* De Geer, West Wickham Common, 2.viii, Spring Park, 18.viii, Kenley Common, 25.vii and Coulsdon Common, 21.viii; *Conops flavipes* L., Spring Park, 1.viii.

HODGE, P. J.—Eight species of Diptera including three representing the first British records: *Stratiomys longicornis* (Scop.) (Stratiomyidae), Oxey Marsh, Lymington, Hants, 29.vi.1995 and Cooling Marsh, Kent, 16.vii.1995; *Haematopota subcylindrica* Pand. (Tabanidae), new to Britain, one female swept from dyke near Camber Castle, Rye, E. Sussex, 28.vi.1995 (another female had been swept from lake margin on Pett Level, E. Sussex, 6.vii.1987); *Hercostomus verbekei* Pollet (Dolichopodidae), sandy shore on bank of River Lark, Barton Mills, W. Suffolk, 17.vii.1987 (this species was first recognized by Marc Pollet, 1993, *Zoologica Scripta* **22**: 101–109 and closely resembles *H. plagiatus* (Loew), with which it may previously have been confused); *Syntormon silvianus* Parvu (Dolichopodidae), new to Britain from Petworth Park, W. Sussex, 8.vi.1988 and Martins Wood, Ightham Mote, W. Kent, 13.vi.1990 (this resembles *S. monilis* (Hal.) and is mixed with it in British collections); *Myolepta luteola* (Gmelin) (Syrphidae), Hythe End, Bucks., 29.vii.1995; *Brachypalpus laphriformis* (Fall.) (Syrphidae), on old oak stump, Buxted Park, E. Sussex, 20.vi.1995; *Conops vesicularis* L. (Conopidae), on disused railway embankment at Lewes, E. Sussex, 10.v.1995; *Myopites inulaedyssentericae* Blot (Tephritidae), Hythe End, Bucks., 28.vii.1995.

MCLEAN, I. F. G.—Flies from Cromer Cliffs, Norfolk in August 1995 (the cliffs are characterized by seepages and active erosion, and include both herb-rich grassland and dense scrub, surrounding wet glades dominated by horsetails): *Oxycera morrissii* Curt. (Stratiomyidae) on seepages; *Chrysotus suavis* (Loew) (Dolichopodidae); *Trichopsomyia flavitarsis* (Meig.) (Syrphidae); *Myopites inulaedyssentericae* Blot (Tephritidae); *Helicophagella melanura* (Meig.) (Sarcophagidae).

PARKER, M.—A selection of flies collected in recent years, including the following: *Phthiria pulicaria* (Mikan) (Bombyliidae), swept from fixed sand at Stokeford Heath, Dorset, 25.vi.1995; *Thereva valida* (Loew) (Therevidae), Speybridge, Morayshire, 3.vii; *T. inornata* Verrall (Therevidae), Culbin Forest, Nairns, 4.vii.1994; *Asilus crabroniformis* L. (Asilidae), female caught in flight at Keysworth Farm, Wareham, Dorset, 6.viii.1994; *Pamponerus germanicus* (L.) (Asilidae), at umbels, Shewalton sands, Irvine, Ayrshire, 7.vii.1995; *Cheilosia* species B of Stubbs & Falk (Syrphidae), second British record from Dollarbeg, Clackmannan, 14.vi.1992; *C. uviformis* (Becker), first Scottish record from Dundonnell, Wester Ross, 18.vii.1991; *C. mutabilis* (Fall.), Culbin Forest, Nairns, on *Conopodium majus* flower, 26.vii.1995; *Eristalis cryptarum* (F.) (Syrphidae), male (Plate III, Fig. 11) hovering above

Sphagnum moss, Pizwell Farm, Dartmoor, Devon, 13.viii.1995 and female (Plate III, Fig. 12) flying over riverside vegetation, Pudsham Down, Dartmoor, Devon, 20.viii.1995; *Didea erratica* (L.) (Syrphidae), male on low-growing composites at Rothiemurchus Forest, Easter Ness, 25.vii.1995; *Eupeodes nitens* (Zett.) (Syrphidae), male at *Allium ursinum* flowers, Delcombe Wood, Dorset, 2.v.1995 and female at *Euphorbia amygdaloides* flowers, Cranbourne Chase, Dorset, 1.v.1995; *Xylota tarda* (Meig.) (Syrphidae) on bracken at Speybridge, Morayshire, 6.vii.1994; *Anasimyia lunulata* (Meig.) (Syrphidae), Pizwell Farm, Devon, 13.viii.1995; *Microdon mutabilis* (L.) (Syrphidae), Oakers Wood, Dorset, 17.vi.1995 (new to Oakers Wood, syrphid list now at 115 species); *Myopa extricata* Collin (Conopidae), male at *Allium ursinum*, Powerstock village, Dorset, 11.iv.1995; *Physocephala nigra* (De Geer) (Conopidae), male hovering close to thistle at Stinchar Bridge, Carrick Forest, Ayrshire, 8.vii.1995; *Icterica westermanni* (Meig.) (Tephritidae), on *Senecio jacobaea* on coastal wetland at Hythe, Hants, 22.vii.1995; *Psacadina vittigera* (Schiner) (Sciomyzidae), same site at Hythe, Hants, 30.vii.1995.

PERRY, I.—A selection of uncommon flies found in 1995: *Tabanus glaucopis* (Meig.) (Tabanidae), Farley Mount Country Park, Hants, 19.vii (several females attracted to the collector in a short spell of hot sultry weather); *Dioctria cothurnata* (Meig.) (Asilidae), Mark Ash, New Forest, 18.vii, a female resting on *Juncus* in a woodland bog; *Ogcodes pallipes* Latreille (Acroceridae), Martin Down, Hants, swept from an isolated birch tree along with several *Acrocera orbicula* F.; *Platypalpus leucothrix* (Strobl) (Hybotidae), in chalk grassland at Farley Mount Country Park, 19.vii; *Rhamphomyia physoprocta* Frey (Empididae), Foulden Common, Norfolk, 4.vii and Holmsley Bog, New Forest, Hants, 15.vii; *Dolichopus agilis* (Meig.) (Dolichopodidae), in chalk grassland beneath pines at The Devil's Ditch, Cambs., 2.viii; *D. plumitarsis* Fall., Pashford Fen, Suffolk, 4.vii; *Hercostomus fulvicaudis* (Hal.) (Dolichopodidae), same site, 29.vii; *Callicera aurata* (Rossi) (Syrphidae), Farley Mount Country Park, Hants, 19.vii, several females on *Rubus* flowers; *Acrometopia wahlbergi* (Zett.) (Chamaemyiidae), Holmsley Bog, New Forest, 15.vii; *Gasterophilus nasalis* (L.) (Gasterophilidae), same site and date, two males flying back and forth about a metre from ground; *Phasia hemiptera* (F.) (Tachinidae), Wandlebury, Cambs., 14.ix, male at *Hedera* flowers, unusually late record and probably first for the county.

PLANT, A.—*Meligramma triangulifera* (Zett.) (Syrphidae), third Dorset record from a Malaise trap, Arne RSPB Reserve, 9–24.v.1995.

SIMMONS, M. J.—A collection of hoverflies (Syrphidae) from Crowborough, East Sussex, including examples of more than 90 species (not fully determined) found either in the exhibitor's garden or in an area of mixed woodland and grassland directly opposite his house; the latter area (of which photographs were shown) has been scheduled for housing development after an unsuccessful campaign to save it lasting seven years: the species shown were mostly common but included *Didea fasciata* Macq., *Brachypalpoides lentus* (Meig.) and *Chalcosyrphus nemorum* (F.). It was stated that about 50 species of sawfly and 22 species of butterfly had been recorded, while 420 species of macromoth had been recorded in the garden.

WASS, S.—*Odontomyia angulata* (Pz.) (Stratiomyidae), pingos at Upton Fen, Norfolk, 5.vii.1993; *Atylotus latistriatus* Brauer (Tabanidae), Titchwell, Marsh, Norfolk, 7.vii.1993; *Bombylius minor* L. (Bombyliidae), hovering above heather, Stokeford Heath, Dorset, 19.vii.1995; *Meligramma guttata* (Fall.) (Syrphidae), at umbels, Shewalton sandpits, Irvine, Ayrshire, 7.vii.1995; *Pelecocera tricincta* (Meig.) (Syrphidae), Stokeford Heath, Dorset, 15.vii.1995; *Eumerus sabulonum* Fall. (Syrphidae), flying low over fixed sand, Shewalton sandpits, 3.vii.1995; *Myolepta*

luteola (Gmelin) (Syrphidae), third Dorset record, on umbels, Langton Matravers, 12.vi.1993; *Zodion notatum* (Meig.) (Conopidae), swept from *Senecio jacobaea*, Tadnoll Heath, Dorset, 30.vii.1995; *Leopoldius brevirostris* (Germ.) (Conopidae), West Bexington, Dorset, 19.vii.1993, new county record.

COLEOPTERA

ALEXANDER, K. N. A. AND FOSTER, A. P.—A selection of noteworthy species found during the National Trust's Biological Survey in 1995: *Agonum ericeti* (Panz.) (Carabidae), Greenleighton bog, Wallington, Northumberland, pitfall trap, 18–20.vii.1995; *Harpalus ardosiacus* Luts. (Carabidae), near West Bexington, Dorset, (not NT property), m.v. light, 18.viii.1995; *Harpalus dimidiatus* (Rossi) (Carabidae), Spyway Farm, Dorset, 16.v.1995; *Harpalus azureus* (F.) (Carabidae), Spyway Farm, Dorset, 16.v.1995; *Tachys bistriatus* (Duft.) (Carabidae), Cogden, Dorset, 23.v.1995; *Stictotarsus multilineatus* Falkenström (= *Potamonectes griseostriatus* (Deg.)) (Dytiscidae), Fountains Fell Tarn, 13.vii.1995; *Onthophagus vacca* (L.) (Scarabaeidae), Spyway Farm, Dorset, 16.v.1995; *Agrilus sinuatus* (Ol.) (Buprestidae), Coleshill Estate, Oxon, 8.viii.1995; *Selatosomus bipustulatus* (L.) (Elateridae), Cloutsham Ball, Somerset, 6.vi.1995; *Globicornis nigriceps* (F.) (Dermestidae), Worcs., 12.vi.1995; *Thymalus limbatus* (F.) (Peltidae), Stourhead Park, Wilts, 4.vii.1995; *Tillus elongatus* (L.) (Cleridae), Pipers Grove, Glos, 29.vi.1995; *Pseudocistela ceramboides* (L.) (Tenebrionidae), Pipers Grove, Glos, 29.vi.1995; *Abdera flexuosa* (Payk.) (Melandryidae), Newlands Batch, Dorset, 25.v.1995; *Anisoxya fuscula* (Ill.) (Melandryidae), Buscot and Coleshill Estate, Oxon, 8.viii.1995; *Conopalpus testaceus* (Ol.) (Melandryidae), Stourhead Park, Wilts, 4.vii.1995 and Rainbow Wood Farm, Somerset, 3.vii.1995; *Mordellistena variegata* (F.) (Mordellidae), Buscot and Coleshill Estate, Oxon, viii.1995 and Rainbow Wood Farm, Somerset, 3.vii.1995; *Calomicrus circumfuscus* (Marsh.) (Chrysomelidae), Crook Peak, Somerset, 7.vi.1995; *Batophila rubi* (Payk.) (Chrysomelidae), Wavering Down, Somerset, 9.vi.1995; *Mantura matthewsi* (Curt.) (Chrysomelidae), Wavering Down, Somerset, 9.vi.1995; *Rhynchaenus testaceus* (Müller, O. F.) (Curculionidae), Ruan Lanihorne, Cornwall, 12.viii.1978, off alder, (not NT property).

HACKETT, D.—*Laemostenus terricola* (Herbst) (Carabidae), Hampstead Heath, Middx, 1.vi.1994, under log; *Platyderus ruficollis* (Marsh.) (Carabidae), milk depot, Parkland Walk, Haringey, Middx, TQ 293878, 14.iii.1994, Highgate Wood, Middx, 28.iv.1995, Hanger Hill, Ealing, Middx, TQ 187820, 14.vi.1995, and Hampstead Heath, Middx, 16.vi.1995; *Agonum assimile* (Payk.) (Carabidae), Hampstead Heath, Middx, 19.ii.1995, in fallen branch; *Amara convexiuscula* (Marsh.) (Carabidae), The Paddock, Tottenham, Middx, TQ 349895, 19.vii.1995, under spoils; *Dendrophilus punctatus* (Herbst) (Histeridae), Grove Lodge, Alexandra Park, Middx, 13.vii.1995, in old elm; *Stenus fulvicornis* Steph. (Staphylinidae), The Grove, Alexandra Park, Middx, 24.vii.1995, on bracket fungus; *Sinodendron cylindricum* (L.) (Lucanidae), Graffham, W. Sussex, 3.ix.1995, in birch log and beside R. Kent below Kendal, Westmorland, 22.x.1995, elytron in elm; *Elodes marginata* (F.) (Scirtidae), near Kenwood Ponds outflow, Hampstead Heath, Middx, 26.v.1995; *Trixagus dermestoides* (L.) (Throscidae), near Kenwood Ponds outflow, Hampstead Heath, Middx, 26.v.1995; *Ampedus cardinalis* (Schiödte), Kensington Gardens, Middx, 12.vii.1995, in detritus under Sweet Chestnut; *Athous campyloides* Newman, Alexandra Park, Middx, TQ 303903, 30.vii.1994, in web, and Grove Park, Middx, TQ 200772, 14.vii.1995, under stone in churchyard; *Malthinus flaveolus* (Herbst) (Cantharidae), Queens Wood, Middx, 4.vii.1993; *Malthinus seriepunctatus* Kiesenw.

(Cantharidae), Queens Wood, Middx, 4.vii.1993; *Ochina ptinoides* (Marsh.) (Anobiidae), Gunnersbury Triangle NR, Middx, TQ 202787, 21.vi.1995, on dead ivy; *Hemicoelus fulvicornis* (Sturm) (Anobiidae), Alexandra Park, Middx, 27.vi.1995, on dead ivy; *Dorcatoma chrysomelina* Sturm (Anobiidae), Priory Park, Haringey, Middx, TQ 300890, on *Robinia* trunk; *Lymexylon navale* (L.) (Lymexylidae), Richmond Park, Surrey, 22.vii.1995, on newly cut oak log (coll. G. Collins); *Soronia grisea* (L.) (Nitidulidae), Alexandra Park, Middx, 14.vii.1995, at sugar on oak; *Cryptarcha strigata* (F.) (Nitidulidae), Highgate Wood, Middx, 28.iv.1995, in oak log; *Antherophagus nigricornis* (F.) (Cryptophagidae), Gunnersbury Triangle NR, Middx, 21.vi.1995, swept off grass; *Enicmus brevicornis* (Mannerh.) (Lathridiidae), Queens Wood, Middx, 4.vii.1995; *Tomoxia bucephala* Costa (Mordellidae), Wimbledon Common, Surrey, 5.vii.1995, on fallen beech; *Synchita separanda* (Reitt.) (Colydiidae), The Decoy, Hendon, Middx, TQ 240888, 18.vii.1995, under dead sycamore bark; *Cicones undatus* Gué.-Mén. (Colydiidae), Nunhead Cemetery, Surrey, 10.vi.1995, under dead sycamore bark, Wooded Walk, Queens Wood, Haringey, Middx, TQ 291884, 4.vii.1995, on ivy-covered stump and The Decoy, Hendon, Middx, 18.vii.1995, under dead sycamore bark; *Lagria hirta* (L.) (Tenebrionidae), Tottenham Green Churchyard, Middx, TQ 337894, 8.vii.1995, on nettle; *Prionychus ater* (F.) (Tenebrionidae), by A406 Hanger Lane, Acton, Middx, TQ 194788, 23.vi.1995, in heart rot on *Robinia* trunk; *Isomira murina* (L.) (Tenebrionidae), Alexandra Park, Middx, 13.vi.1995, beaten off elder; *Nacerdes melanura* (L.) (Oedemeridae), New Kings Road, London, Middx, 12.vi.1995, dead on pavement (coll. M. Barclay); *Ischnomera sanguinicollis* (F.) (Oedemeridae), Oxwich Point Woods, Glamorgan, 21.v.1995, on herbage.

HALSTEAD, A. J.—Some local Coleoptera taken in 1995: *Agonum muelleri* (Herbst) (Carabidae), Afton Water, S. of New Cumnock, Ayrshire, 4.vii.1995, on river shingle; *Agonum sexpunctatum* (L.) (Carabidae), Whitmoor Common, Surrey, 21.v.1995, under burnt log; *Opilo mollis* (L.) (Cleridae), Queen Elizabeth Plantation, Richmond Park SSSI, Surrey, 22.vii.1995, on oak trunk; *Malthodes guttifer* Kiessenw. (Cantharidae), W. of Catrine, Ayrshire, 3.vii.1995, swept; *Megatoma undata* (L.) (Dermestidae), Three Counties Show Ground, near Malvern Wells, Worcs., 7.v.1995, on trunk of old crack willow *Salix fragilis* (L.); *Ctesias serra* (F.) (Dermestidae), Three Counties Show Ground, near Malvern Wells, Worcs., emerged 7.v.1995, bred from larva found under loose bark of old crack willow *Salix fragilis* (L.); *Ptinomorphus imperialis* (L.) (Anobiidae), The Sheepleas SSSI, near West Horsley, Surrey, 9.v.1995, swept; *Lymexylon navale* (L.) (Lymexylidae), Sidmouth Wood, Richmond Park SSSI, Surrey, 22.vii.1995, ovipositing in cracks in cut end of fallen oak trunk; *Phloiotrya vaudoueri* Muls. (Melandryidae), Queen Elizabeth Plantation, Richmond Park SSSI, Surrey, 22.vii.1995, on dead tree stump; *Hydrothassa glabra* (Herbst) (Chrysomelidae), W. of Catrine, Ayrshire, 13.vii.1995, swept; *Coeliodes erythroleucus* (Gmel.) (Curculionidae), Three Counties Show Ground, near Malvern Wells, Worcs., 7.v.1995, swept.

LOTT, D. A.—Leicestershire Red Data Book of Beetles published in 1995 containing 342 species of recognized conservation interest which have been recorded in Leicestershire and Rutland since 1970. Some of the species included were exhibited in groups associated with habitats of particular conservation value in Leicestershire.

(1) Dead wood. *Abraeus granulum* Er. (Histeridae), Barkby Holt, 12.ii.1995; *Microscydmus minimus* (Chaud.) (Scydmaenidae), Donington Park, 4.x.1991; *Euplectus bonvouloiri* Raff. (Pselaphidae), Burley Wood, 6.v.1990; *Plectophloeus nitidus* Fairm. (Pselaphidae), Bradgate Park, 30.vi.1989; *Batrisodes venustus* Reichenb. (Pselaphidae), Shacklewell Hollow, 26.ix.1990; *Notolaemus unifasciatus* (Latr.) (Cucujidae), Bradgate Park, 1.v.1990; *Corticaria alleni* Johnson (Lathridiidae),

Croxton Park, 17.ix.1994; *Ischnomera cinerascens* Pand. (Oedemeridae), Burley Wood, 6.v.1990; *Dryocoetinus alni* (Georg) (Scolytidae), Swithland Wood, 30.iii.1993; *Ernoporus caucasicus* Lind. (Scolytidae), Buddon Wood, 29.v.1995.

(2) Disturbed sites. *Harpalus obscurus* (F.) (Carabidae), Geeston Quarry, 26.vi.1995, in pitfall trap (coll. I. Philips); *Haliplus mucronatus* Steph. (Haliplidae), disused railway line, Thorpe Satchville, 19.vii.1989; *Lamprinodes saginatus* (Grav.) (Staphylinidae), High Sharpley, v.1992, pitfall trap; *Alaobia scapularis* (Sahl.) (Staphylinidae), Geeston Quarry, 20.v.1987; *Ocyusa nitidiventris* (Fag.) (Staphylinidae), Rawdykes Power Station, Leicester, v.1992, pitfall trap; *Oxypoda lurida* Woll. (Staphylinidae), Rawdykes Power Station, Leicester, v.1992, pitfall trap; *Chrysolina sanguinolenta* (L.) (Chrysomelidae), Essendine Railway Sidings, 30.v.1987; *Squamapion cineraceum* Wencker (Brentidae), North Luffenham Quarry, viii.1992, pitfall trap; *Caenopsis fissirostris* (Walton) (Curculionidae), High Sharpley, vi.1992, pitfall trap; *Tychius lineatulus* Steph. (Curculionidae), King Luds Entrenchments, v.1992, pitfall trap.

(3) Undisturbed wetlands (fen and carr). *Badister dilatatus* Chaud. (Carabidae), Gravel Hole Spinney, 10.vi.1994; *Oxytelus fulvipes* Er. (Staphylinidae), Narborough Bog, 24.iv.1993; *Aloconota languida* (Er.) (Staphylinidae), Pond Spinney, Aston Flamville, 29.iv.1993; *Atheta difficilis* (Bris.) (Staphylinidae), Saddington Reservoir, 10.vi.1993; *Calodera nigrita* Mannerh. (Staphylinidae), R. Eye, Ham Bridge, 21.xi.1986; *Calodera riparia* Er. (Staphylinidae), Newtown Burgoland Marsh, 4.v.1993; *Calodera uliginosa* Er. (Staphylinidae), Loughborough Big Meadow, 9.iv.1991; *Oxypoda nigrocincta* Muls. & Rey (Staphylinidae), Narborough Bog, 28.iv.1993; *Selatosomus nigricornis* (Panz.) (Elateridae), Loughborough Big Meadow, 16.vi.1991; *Donacia impressa* Payk. (Chrysomelidae), R. Eye, Melton, 7.iv.1989.

(4) Rivers and streams. *Bembidion fluviatile* (Dej.) (Carabidae), R. Trent, Sawley, 24.v.1992; *Ptenidium brenskei* Flach (Ptiliidae), R. Lin, Bradgate Park, 4.v.1990; *Lesteva hanseni* Lohse (Staphylinidae), Grace Dieu Brook, Whitwick, 29.v.1994; *Carpelimus lindrothi* Palm (Staphylinidae), R. Soar, Lockington, 19.v.1992; *Carpelimus obesus* (Kiesenw.) (Staphylinidae), R. Soar, Lockington, 13.v.1990; *Carpelimus subtilis* (Er.) (Staphylinidae), Cribbs Meadow, 6.viii.1994; *Lathrobium pallidum* von Nord (Staphylinidae), R. Soar, Loughborough, vii.1994, pitfall trap; *Atheta nanion* Joy (Staphylinidae), R. Soar, Lockington, 12.i.1986; *Atheta obfuscata* (Grav.) (Staphylinidae), R. Soar, Loughborough,13.v.1990; *Baris lepidii* Germ. (Curculionidae), R. Eye, Melton, 10.ii.1990.

(5) Undisturbed grassland. *Trachys scrobiculatus* Kiesenw. (Buprestidae), King Luds Entrenchments, v.1992, pitfall trap; *Fleutiauxellus quadripustulatus* (F.) (Elateridae), Stonesby Quarry, vii.1994, pitfall trap; *Chrysolina violacea* (Müller, O. F.) (Chrysomelidae), The Drift, viii.1992, pitfall trap; *Aphthona nigriceps* (Redt.) (Chrysomelidae), Misterton, 1.ix.1984; *Omiamima mollina* (Boh.) (Staphylinidae), Harby Hills, v.1992, pitfall trap.

(6) Underground fungi. *Hydnobius punctatus* Sturm (Leiodidae), North Luffenham Quarry, ix.1992, pitfall trap; *Leiodes macropus* (Rye) (Leiodidae), North Luffenham Quarry, viii.1992, pitfall trap; *Leiodes rugosa* Steph. (Leiodidae), North Luffenham Quarry, ix.1992, pitfall trap.

(7) Mammal nests. *Catops longulus* Kellner (Leiodidae), Bradgate Park, 11.ix.1989; *Phyllodrepa puberula* Bernh. (Staphylinidae), Ashby de la Zouche, 22.x.1987, badger sett; *Anotylus saulcyi* (Pand.) (Staphylinidae), Ketton Quarry, 10.xi.1988, badger sett; *Liogluta pagana* (Er.) (Staphylinidae), Lount Meadow, ix.1992, pitfall trap; *Oxypoda spectabilis* Mark. (Staphylinidae), Newfield Colliery, v.1992, pitfall trap.

PARSONS, M. S.—A small selection of Coleoptera recorded at light traps operated in Richmond Park, Surrey during 1994–5; *Bembidion varium* (Ol.) (Carabidae),

Copelatus haemorrhoidalis (F.) (Dytiscidae), *Ilybius ater* (Deg.) (Dytiscidae), *Trox scaber* (L.) (Trogidae), *Aphodius zenkeri* Germ. (Scarabaeidae), *Amphimallon solstitialis* (L.) (Scarabaeidae), *Heterocerus fenestratus* (Thunb.) (Heteroceridae), *Stenagostus villosus* (Fourc.) (Elateridae), *Dermestes peruvianus* Laporte de Castelnau (Dermestidae), *Necrobia violacea* (L.) (Cleridae), *Myzia oblongoguttata* (L.) (Coccinellidae), *Tenebrio molitor* (L.) (Tenebrionidae), *Prionychus ater* (F.) (Tenebrionidae), *Curculio glandium* Marsh. (Curculionidae), *Scolytus intricatus* (Ratz.) (Scolytidae).

HEMIPTERA

PARSONS, M. S.—Hemiptera recorded at light traps operated in Richmond Park, Surrey during 1994–5: *Reduvius personatus* (L.) (Reduviidae).

HYMENOPTERA

ALEXANDER, K.N.A. AND FOSTER, A. P.—Two noteworthy species found during the National Trust's biological survey in 1995: *Formicoxena nitidulus* (Nylander) (Formicidae) at Staward Gorge, Northumberland, 19.vii.95, from a *Formica lugubris* Zett. nest and possibly the first record for the county; *Eucera longicornis* (L.) (Apidae: Eucerinae), at St Gabriel's, Golden Cap Estate, Dorset, 25.v.1995, a single male visiting *Vicia* sp. flowers.

ARCHER, M. E.—Some uncommon bees and wasps taken in recent years, including a number of new county records. Vespidae: *Dolichovespula media* (Retz.), queens at Nicholas St, York, 12.viii.1995; Thixendale, Wolds, 18.viii.1995; Horse Dale, Wolds, 31.iii.1995; worker at Sherburn, Malton, 1995. This species was first recorded in Yorkshire in 1994. Sphecidae: male *Cerceris quinquefasciata* (Rossius), Roydon Common, Norf. 12.viii.1995; female *C. arenaria* (L.), Rossington Bridge, S. Yorks., 19.vii.1994 (new to Yorks in 1993); female *Argogorytes fargeii* (Shuck.), Stutton, Yorks., 23.vii.1994; female *Oxybelus argentatus* Curt., Hartlebury Common, Worcs., 5.vii.1994 and at Devil's Spittleful Nature Reserve, Worcs., 12.vii.1994; female *Philanthus triangulum* (F.), Hartlebury Common, Worcs., 10.viii.1995—this record greatly extends the range of this species from south-east England. Apidae: Andreninae; female *Andrena alfkenella* Perkins, Sark, Chan. Is., 3.viii.1994, a new species for the Channel Islands; male and female *A. ocreata* (Christ), Gundale, N. Yorks., 5.vi.1994; male *A. synadelpha* Perkins, Gibraltar Point, Lincs., 1.v.1994, new to Lincolnshire. Apidae: Halictinae; male *Sphecodes niger* Sichel, Herm, Chan. Is., 25.vii.1994, new to Channel Islands; female *Lasioglossum brevicorne* (Schenck), Thetford Warren Lodge, Norf., 24.v.1992 and at Hartlebury Common, Worcs., 27.v.1991. Apidae: Colletinae; male and female *Colletes floralis* Evers., Sandscale Haws, Cumbria, 18.vii.1994, new to England. Apidae: Nomadinae; female *Nomada pleurostricta* H.-S., Hartlebury Common, Worcs., 20.vi.1994.

HALSTEAD, A. J.—Some local sawflies taken in 1995. Cimbicidae: female *Trichiosoma sorbi* Hartig, swept south-east of Brown Carrick Hill, Ayr., 6.vii.1995; female *Cimbex femoratus* (L.), swept Wood of Cree RSPB reserve, near Newton Stewart, Kirk., 7.vii.1995. Tenthredinidae: male *Strongylogaster lineata* (Christ), swept from bracken, Sidmouth Wood, Richmond Park, Surrey, 22.vii.1995—males are very scarce in this common species; female *Apethymus braccata* (Gmel.), swept from oak, near Furzey Lodge, New Forest, Hants, 12.viii.1995; male and female *Tenthredo moniliata* Klug, swept from bog bean, Little Loch, S.E. of Newton Mearns, Renf., 8.vii.1995; a dark colour form of female *Tenthredo olivacea* Klug,

Wood of Cree RSPB reserve, near Newton Stewart, Kirk., 7.vii.1995; female *Amauronematus sagmarius* Konow, swept from sallows, N. end of Mortimer's Meadow, Dinton Pastures County Park, Winnersh, Berks., 8.iv.1995; female *Nematinus acuminatus* (Thomson), swept, Failford Wood, Failford, Ayr., 3.vii.1995; female *Nematus fahraei* Thomson, swept High Wood, Woodley, Berks., 13.v.1995.

HARMAN, T. W.—A hornet, *Vespa crabro* L. taken 13.ix.1995, feeding on ripe apples at Turville Heath Farm, Bucks. This is believed to be the first record for this locality.

HODGE, P. J.—Twenty-five species of aculeate bees and wasps taken in 1995, and a parasitic wasp. Ichneumonidae: *Metopius dentatus* (F.), det. Dr M. R. Shaw, bred from a pupa of *Lasiocampa callunae* Palm (Lep.: Lasiocampidae), reared by Rosalind Hodge from larvae collected at Rannoch, mid Perth. in July 1994 by Rev. A. H. H. Harbottle. Pompilidae: *Anoplius concinnus* (Dahlbom), near the exposed root plate of a fallen lime tree, Buxted Park, E. Sussex, 20.vii.1995; Eumenidae: *Eumenes coarctatus* (L.), a female at *Pulicaria dysenterica* flower in a marshy meadow near a marina at Hermitage, W. Sussex, 12.viii.1995; female *Odynerus melanocephalus* (Gmel.), flying over sparsely vegetated sand, Midhurst Common sandpit, 12.vii.1995. Vespidae: female *Vespula austriaca* (Panz.) at *Vaccinium myrtillus* flower on moorland near Aughavannagh, Co. Wick., Ireland, 16.v.1995. Sphecidae: male *Crossocerus distinguendus* (Morawitz), swept Tilbury, S. Essex, 19.vi.1995, and a male on exposed lime tree root plate at Buxted Park, E. Sussex, 20.vii.1995; male *C. vagabundus* (Panz.), swept at Mottisfont, S. Hants, 16.vi.1995; male *C. walkeri* (Shuck.), beaten from oak, Dunbridge, S. Hants, 14.vi.1995; female *Mimumesa unicolor* (Vander Linden) and *Psenulus schencki* (Tourn.) on *Heracleum sphondylium* flower, Cooling Marsh, W. Kent, 19.vii.1995; female *Gorytes bicinctus* (Rossius) and *Passaloecus clypealis* Faester, swept, the latter from *Phragmites* in dyke at Horsham Marsh, E. Kent, 23.vii.1995. Apidae: Andreninae; *Andrena bucephala* Steph., basking on sycamore leaves, Arundel Park, W. Sussex, 1.v.1995; female *A. congruens* Schmiedeknecht on *Heracleum sphondylium* flowers, Basing Fen, N. Hants, 13.vii.1995; female *A. nigriceps* (Kirby), entering burrow on south-facing sandy bank, Pennington Marsh, S. Hants., 30.vi.1995; female *A. varians* (Rossius), on bramble leaf, south margin of wood, Lewes, E. Sussex, 10.v.1995. Apidae: Halictinae; male *Halictus confusus* Smith, swept Lakenheath Airfield, W. Suff., 8.viii.1995; *Lasioglossum pauxillum* Schenck at Dunbridge, S. Hants, 14.vi.1995 and The Salterns, Lymington, S. Hants, 30.vi.1995; male *Sphecodes reticulatus* Thomson, near cliff top at Short Cliff, Cuckmere Haven, E. Sussex, 26.v.1995. Apidae: Nomadinae; female *Nomada hirtipes* Perez, basking on sycamore leaves, Arundel Park, W. Sussex, 1.v.1995; *N. sheppardana* (Kirby) numerous on exposed root plates of fallen lime trees, Buxted Park, E. Sussex, 5.v.1995. Apidae: Eucerinae; *Eucera longicornis* (L.), a colony nesting in a steep south-facing bank, bank of River Bewl, E. Sussex, 21.vi.1995. Apidae: Anthophorinae; female *Anthophora quadrimaculata* (Panz.) visiting *Nepeta* flowers in a garden at Harvard Road, Ringmer, E. Sussex, 20.vii.1995. Apidae: Ceratininae; *Ceratina cyanea* (Kirby), numerous females visiting bramble flowers and evidently nesting in nearby cut *Buddleja* stems, Lewes, E. Sussex, 27.v.1995 (new to E. Sussex). Apidae: Bombinae; queen *Bombus monticola* Smith, at *Vaccinium myrtillus* flowers on moorland at Aughavannagh, Co. Wick., Ireland, 16.v.1995.

ILEY, M.—An exhibit showing two generations of the sphecid wasp *Ectemnius cavifrons* (Thomson) bred in a garden at Great Missenden, Bucks. in 1994 and 1995. Also reared from the same nest were a single female of *E. sexcinctus* (F.).

MANN, D. J., PAVETT, M. AND SLADE, D. J.—A selection of insects recorded by the Welsh Insect Survey. This included the sawfly *Sterictiphora angelicae* (Panz.), syn. *furcata*, swept at Newbridge-on-Wye, Breck., 1.vii.1995, a new record for Wales.

MCLEAN, I. F. G.—The bee wolf, *Philanthus triangulum* (F.) (Sphecidae), 4.viii.1995, from the cliffs at the east end of Cromer, Norf. This formerly scarce species is continuing to spread through East Anglia and elsewhere.

PLANT, C. W.—A bilateral gynandromorph of an undetermined *Sphecodes* sp. (Apidae: Halictinae) taken at Sawbridgeworth Marsh Nature Reserve, Herts on 11.viii.1995. The specimen showed variation in the density and form of the silvery hairs on the left and right halves of the face. The left antenna was shorter than the right but had longer basal segments. The genitalia consisted of both a sting and modified male structures. There were also other smaller differences which terminated abruptly at the mid-body line.

ROBERTS, S. P. M.—A selection of aculeate hymenoptera which are target species for the first provisional atlas. Mutillidae: *Mutilla europaea* L. male and female from Sandford, Dorset 13.vii.1994 and male and female from Holton Heath NNR, Dorset, 6.viii.1994. Pompilidae: *Cryptocheilus notatus* (Rossius) female Great Ovens Heath, Dorset, 10.vii.1994. Vespidae: *Vespa crabro* L. queen, Dean's Grove House, Wimborne, Dorset, 20.v.1992, worker at ivy flowers Denny Wood, New Forest, Hants, 24.x.1989; *Dolichovespula media* (Retz.) queen, Felbridge near East Grinstead, Sussex, 26.viii.1990, worker, Furzebrook, Dorset, July 1994, male Deeves Hall, Ridge, Herts, July 1994. Eumenidae: *Symmorphus crassicornis* (Panz.) female Sandford, Dorset, 13.vii.1994; *S. gracilis* (Brullé) male Holt Heath NNR, Dorset, 24.vi.1990 and female Dean's Grove House, Wimborne, Dorset, 3.viii.1990. Sphecidae: *Crabro cribarius* (L.) male and female Sandford, Dorset, 3.viii.1994; *C. scutellatus* (Scheven) female Crock Hill, New Forest, Hants, 4.vii.1991; *Ectemnius cavifrons* (Thomson) female White Barrow, Tilshead, Wilts, 26.viii.1991; *Oxybelus argentatus* Curtis male and female Sinah Common, Hayling Island, Hants, 12.vii.1994; *O. uniglumis* (L.) male and female Sandford, Dorset, 13.vii.1994, female Kingsbridge Lakes, Dorset, 6.viii.1994; *Ammophila sabulosa* (L.) male Sandford, Dorset, 13.vii.1994 and female Godlingston Heath NNR, Dorset, 14.vii.1991; *A. pubescens* Curt. male and female Morden Bog NNR, Dorset, 14.vii.1994; *Podalonia hirsuta* (Scop.) male Studland Heath NNR, 20.vii.1989 and female Godlingston Heath NNR, Dorset, 14.vii.1991; *Cerceris arenaria* (L.) male Sandy Point, Hayling Island, Hants 24.vii.1991 and female Sandford, Dorset 3.viii.1994; *C. ruficornis* (F.) male Godlingston Heath NNR, Dorset, 14.vii.1991 and female Sandy Point, Hayling Island, Hants, 24.viii.1991; *C. rybyensis* (L.) male Durlston Head, Dorset, 14.vii.1991 and female Sandford, Dorset 3.viii.1994; *Philanthus triangulum* (F.) male and two females, one with *Apis mellifera* worker prey, Holton Heath NNR, Dorset, 6.viii.1994. Apidae, Xylocopinae: *Ceratina cyanea* (L.) male and female Oxenbourne Down, Hants, 11.x.1987. Apidae, Megachilinae: *Anthidium manicatum* (L.) male Wareham Meadows, Dorset, 29.vii.1994 and female Dibden Marshes, Hants, 22.vii.1995.

UFFEN, R. W. J.—Some new or locally rare species of bees and wasps recorded in Hertfordshire in 1995, with three others recorded elsewhere. Hertfordshire records: *Andrena cineraria* (L.) (Apidae: Andreninae) and *Nomada lathburiana* (Kirby) (Apidae: Nomadinae) from the Ashridge area. The *Andrena* nests in sand bunker walls on Ashridge golf course and on turfed knolls of powdery clay soil on Berkhamsted golf course. Male *A. cineraria* were flying round oaks on Gustard Wood Common golf course, 23.v.1995. *N. lathburiana* was first taken on Berkhamsted Common by David Marshall on flowers of American bramble, *Rubus pergratus*; *Nomada fucata* Panz.

found at the only locality in the county for its host bee, *Andrena flavipes* Panz. at Tyttenhanger sandpits, Colney Heath, spring brood female 12.iv.1995 and summer brood male 19.vii.1995; *Andrena helvola* (L.) female at Bricket Wood, 29.v.1995 and Frogmore Lakes, St. Albans, 1.v.1995; two female *Nomada panzeri* (Lepeletier) at Marshall's Heath, Wheathampstead, 22.v.1995—this is the first record amongst many *N. flava* Panz. examined in Herts.; *Hoplitis spinulosa* (Kirby) (Apidae: Megachilinae), a male at Pitstone Quarry, 16.viii.1995 and a female at Therfield Heath, Royston, 10.viii.1995. These records are at opposite ends of the Chilterns in Herts; *Ectemnius rubicola* (Dufour & Perris) (Sphecidae), on *Torilis japonica* flowers, Mardley Heath, 31.vii.1995; *E. sexcinctus* (F.) male on *Heracleum* flowers, River Lee at Wormley, 5.viii.1995; female *Gortyes tumidus* (Panz.), by a farm track at Tewin, 30.vi.1995; *Episyron rufipes* (L.) (Pompilidae), female at Tyttenhanger sandpits, 19.vii.1995; *Caliadurgus fasciatellus* (Spin.), female fluttering its wings erect as it moved in hedgerow at Tyttenhanger sandpits, 21.v.1995; *Ageniodeus cinctellus* (Spin.), females entering bee burrows, one collecting soil pellets and fragments of grass of similar length to the spider wasp for packing the burrow, in hedgerows at Tyttenhanger sandpits, 27.vi.1995; male *Arachnospila spissa* (Schiodte) at Marshall's Heath, Wheathampstead, 25.v.1995; female *Chrysogona gracillima* (Forster) (Chrysididae), on fence post in hedgerow at Tyttenhanger sandpits, Colney Heath, 19.vii.1995. Other counties: *Sphecodes niger* Sichel (Apidae: Halictinae) and *Gorytes bicinctus* (Rossius) (Sphecidae), both males, at Dinton Pastures Country Park, Winnersh, Berks, 29.vii.1995; female *Heriades truncorum* (L.) (Apidae: Megachilinae) on ragwort flower, Fulmer, Bucks., 3.viii.1995.

Odonata

Porter, J.—Two migratory dragonfly species taken in 1995. A pair of the yellow-winged darter, *Sympetrum flaveolum* (L.) and a single vagrant darter, *S. vulgatum* (L.), both at Dungeness, Kent, 9.viii.1995.

Mantodea

Brotheridge, D. J.—Four unidentified mantids from Tenerife, Majorca and Crete.

Neuroptera

Harman, T. W.—A specimen of the local lacewing *Drepanepteryx phalaenoides* (L.) taken at m.v. light in a beech wood, Turville Heath Farm, Bucks, 30.vii.1995.

Orthoptera

Mann, D. J. , Pavett, M. and Slade, D. J.—Grey bush cricket *Platycleis albopunctata* (Goeze) (Tettigoniidae), recorded at Oxwich Burrows, Glam. during the 1995 Welsh Insect Survey.

Miscellaneous

Halstead, A. J.—A Scots pine log cut from a four-foot-high trunk after the tree had been hacked down by vandals earlier in the summer. The stump had produced copious quantities of resin from under the damaged bark and in the subsequent weeks this had trapped a variety of invertebrates, including beetles, aphids, ants,

Barrington, Rupert D G et al. 1996. "1995 Annual Exhibition. Imperial College, London SW7 - 28 October 1995." *British journal of entomology and natural history* 9, 207–241.

View This Item Online: https://www.biodiversitylibrary.org/item/94526
Permalink: https://www.biodiversitylibrary.org/partpdf/94707

Holding Institution
Smithsonian Libraries and Archives

Sponsored by
Smithsonian

Copyright & Reuse
Copyright Status: In copyright. Digitized with the permission of the rights holder.
Rights Holder: British Entomological and Natural History Society
License: http://creativecommons.org/licenses/by-nc-sa/3.0/
Rights: https://biodiversitylibrary.org/permissions

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at https://www.biodiversitylibrary.org.

This file was generated 25 February 2024 at 07:57 UTC