

LIST OF INSECT SPECIES COLLECTED FROM THE HOBCAW BARONY

ORDER	FAMILY	Genus/Species
Coleoptera	Buprestidae	<i>Acmaeodera</i>
Coleoptera	Buprestidae	<i>Brachys</i>
Coleoptera	Buprestidae	<i>Buprestis salisburyensis</i> Herbst, 1801
Coleoptera	Buprestidae	<i>Haplanthaxia</i>
Coleoptera	Buprestidae	<i>Haplanthaxia quercata</i> (Fabricius)
Coleoptera	Buprestidae	<i>Taphrocerus</i>
Coleoptera	Carabidae	<i>Calybe sallei</i> (Chev.)
Coleoptera	Carabidae	<i>Panagaeus crucigerus</i> Say
Coleoptera	Elateridae	<i>Alaus myops</i> (Fabricius)
Coleoptera	Elateridae	<i>Cardiophorus</i>
Coleoptera	Elateridae	<i>Melanotus</i>
Coleoptera	Eucnemidae	<i>Dirrhagofarsus lewisi</i> Reitter
Coleoptera	Monommidae	<i>Hyporhagus</i>
Coleoptera	Oedemeridae	<i>Xanthochroa erythrocephala</i> (Germar)
Coleoptera	Scarabaeidae	<i>Canthon laevis</i> (Drury)
Coleoptera	Scarabaeidae	<i>Melanocanthon bispinatus</i> (Robinson)
Coleoptera	Trogossitidae	<i>Tenebroides bimaculata</i> Melsheimer
Dermaptera	Labiidae	<i>Labia</i>
Dermaptera	Labiidae	<i>Labia cf. curvicauda</i> (Motschulsky)
Dermaptera	Labiidae	<i>Vostox brunneipennis</i> (Audinet-Serville, 1839)
Diptera	Asilidae	<i>Laphria saffrana</i>
Diptera	Chloropidae	<i>Ectecephala</i>
Diptera	Lauxaniidae	<i>Trigonometopus</i>
Diptera	Micropezidae	<i>Grallipeza nebulosa</i> (Loew)
Diptera	Micropezidae	<i>Taeniaptera</i>
Diptera	Otitidae	<i>Chaetopsis</i>
Diptera	Otitidae	<i>Delphinia picta</i> (Fabricius)
Diptera	Otitidae	<i>Euxesta</i>
Diptera	Otitidae	<i>Zacompsia fulva</i> Coquillett
Diptera	Psilidae	<i>Loxocera cylindrica</i> Say, 1823
Diptera	Pyrgotidae	<i>Boreothrinax</i>
Diptera	Syrphidae	<i>Milesia virginiensis</i> (Drury)
Hemiptera	Achilidae	<i>Epiptera</i>
Hemiptera	Aradidae	<i>Mezira</i>
Hemiptera	Aradidae	<i>Proxius gypsatus</i> Bergroth
Hemiptera	Belostomatidae	<i>Abedus immaculatus</i> (Say)
Hemiptera	Belostomatidae	<i>Lethocerus uhleri</i> (Montandon)
Hemiptera	Berytidae	<i>Jalysus</i>
Hemiptera	Caliscelidae	<i>Bruchomorpha oculata</i> Newman
Hemiptera	Cercopidae	<i>Aphrophora</i>
Hemiptera	Cercopidae	<i>Clastoptera</i>
Hemiptera	Cicadellidae	<i>Draeculacephala</i>
Hemiptera	Cicadellidae	<i>Gyponana</i>

Hemiptera	Cicadellidae	<i>Homalodisca</i>
Hemiptera	Cicadellidae	<i>Norvellina</i>
Hemiptera	Cicadellidae	<i>Oncometopia</i>
Hemiptera	Cicadellidae	<i>Osbornellus</i>
Hemiptera	Cicadellidae	<i>Penthimia americana</i> Fitch
Hemiptera	Cicadellidae	<i>Ponana</i>
Hemiptera	Cicadellidae	<i>Scaphytopius</i>
Hemiptera	Cicadellidae	<i>Texananus</i>
Hemiptera	Cicadellidae	<i>Tylozygus bifidus</i> (Say)
Hemiptera	Cixiidae	<i>Oecleus</i>
Hemiptera	Cixiidae	<i>Oliarus</i>
Hemiptera	Cixiidae	<i>Pintalia delicata</i> (Fowler)
Hemiptera	Coreidae	<i>Althos obscurator</i> (Fabricius)
Hemiptera	Coreidae	<i>Euthochtha galeator</i> (Fabricius)
Hemiptera	Coreidae	<i>Leptoglossus phyllopus</i> (Linnaeus)
Hemiptera	Cydnidae	<i>Amnestus spinifrons</i> (Say)
Hemiptera	Cydnidae	<i>Pangaeus bilineatus</i> (Say)
Hemiptera	Cymidae	<i>Cymus</i>
Hemiptera	Delphacidae	<i>Delphacodes</i>
Hemiptera	Delphacidae	<i>Pissonotus aphidioides</i> VanDuzee
Hemiptera	Derbidae	<i>Cedusa</i>
Hemiptera	Derbidae	<i>Otiocerus degeeri</i> Kirby
Hemiptera	Derbidae	<i>Otiocerus stollii</i> Kirby
Hemiptera	Flatidae	<i>Anormenis septentrionalis</i> (Spinola)
Hemiptera	Flatidae	<i>Cyarda melichari</i> Van Duzee
Hemiptera	Gelastocoridae	<i>Gelastocoris oculatus</i> (Fabricius)
Hemiptera	Geocoridae	<i>Geocoris uliginosus</i> (Say)
Hemiptera	Hydrometridae	<i>Hydrometra</i>
Hemiptera	Largidae	<i>Largus succinctus</i> (Linnaeus)
Hemiptera	Lyctocoridae	<i>Lyctocoris stali</i> (Reuter)
Hemiptera	Membracidae	<i>Archasia auriculata</i> (Fitch)
Hemiptera	Membracidae	<i>Archasia pallida</i> (Fairmaire)
Hemiptera	Membracidae	<i>Ceresa</i>
Hemiptera	Membracidae	<i>Cyrtolobus</i>
Hemiptera	Membracidae	<i>Glossonotus</i>
Hemiptera	Membracidae	<i>Micrutalis calva</i> (Say)
Hemiptera	Membracidae	<i>Ophiderma</i>
Hemiptera	Membracidae	<i>Platycotis vittata</i> (Fabricius)
Hemiptera	Membracidae	<i>Smilia camelus</i> (Fabricius)
Hemiptera	Membracidae	<i>Telamona</i>
Hemiptera	Membracidae	<i>Tylopelta americana</i> (Goding)
Hemiptera	Mesoveliidae	<i>Mesovelia mulsanti</i> White
Hemiptera	Miridae	<i>Corticoris</i>
Hemiptera	Miridae	<i>Poecilocapsus lineatus</i> (Fabricius)
Hemiptera	Miridae	<i>Pseudoxenetus regalis</i> (Uhler)
Hemiptera	Miridae	<i>Sixeonotus</i>

Hemiptera	Miridae	unidentified Miridae
Hemiptera	Pachygronthidae	<i>Oedancala</i>
Hemiptera	Pentatomidae	<i>Banasa dimidiata</i> (Say)
Hemiptera	Pentatomidae	<i>Banasa euchlora</i> Stål
Hemiptera	Pentatomidae	<i>Banasa packardi</i> Stål
Hemiptera	Pentatomidae	<i>Dendrocoris</i>
Hemiptera	Pentatomidae	<i>Euschistus</i>
Hemiptera	Pentatomidae	<i>Hymenarcys nervosa</i> (Say)
Hemiptera	Pentatomidae	<i>Mormidea lugens</i> (Fabricius)
Hemiptera	Pentatomidae	<i>Oebalus pugnax</i> (Fabricius)
Hemiptera	Pentatomidae	<i>Parabrochymena arborea</i> (Say)
Hemiptera	Pentatomidae	<i>Thyanta calceata</i> (Say)
Hemiptera	Reduviidae	<i>Apiomerus crassipes</i> (Fabricius)
Hemiptera	Reduviidae	<i>Empicoris</i>
Hemiptera	Reduviidae	<i>Melanolestes picipes</i> (Herrich-Schaffer)
Hemiptera	Reduviidae	<i>Microtomus purcis</i> (Drury)
Hemiptera	Reduviidae	<i>Oncerothelus acuminatus</i> (Say)
Hemiptera	Reduviidae	<i>Ploiaria carolina</i> (Herrich-Schaffer)
Hemiptera	Reduviidae	<i>Pnirontis cf. languida</i> Stal
Hemiptera	Reduviidae	<i>Pnirontis modesta</i> Banks
Hemiptera	Reduviidae	<i>Pselliopus cinctus</i> (Fabricius)
Hemiptera	Reduviidae	<i>Repipta taurus</i> (Fabricius)
Hemiptera	Reduviidae	<i>Sirthena carinata</i> (Fabricius)
Hemiptera	Reduviidae	<i>Zelus</i>
Hemiptera	Rhyparochromidae	<i>Cnemodus mavortius</i> (Say)
Hemiptera	Rhyparochromidae	<i>Neopamera albocincta</i> (Barber)
Hemiptera	Rhyparochromidae	<i>Ozophora</i>
Hemiptera	Rhyparochromidae	<i>Paromius longulus</i> (Dallas)
Hemiptera	Saldidae	<i>Saldula</i>
Hemiptera	Saldidae	<i>Saldoidea</i>
Hemiptera	Scutelleridae	<i>Diolcus chrysorrhoeus</i> (Fabricius)
Hemiptera	Scutelleridae	<i>Tetyra bipunctata</i> (H.S.)
Hemiptera	Thyreocoridae	<i>Galgupha</i>
Hymenoptera	Andrenidae	<i>Andrena</i>
Hymenoptera	Andrenidae	<i>Perdita bradleyi</i> Viereck
Hymenoptera	Andrenidae	<i>Perdita halictoides</i> Smith, 1853
Hymenoptera	Andrenidae	<i>Perdita novae-angliae</i> Viereck
Hymenoptera	Anthophoridae	<i>Ceratina</i>
Hymenoptera	Anthophoridae	<i>Florilegus condiguus</i> (Cresson)
Hymenoptera	Apidae	<i>Xylocopa micans</i> Lepeletier
Hymenoptera	Chrysididae	<i>Chrysis conica</i> Brullé, 1846
Hymenoptera	Chrysididae	<i>Neochrysis alabamensis</i> (Mocsáry, 1914)
Hymenoptera	Colletidae	<i>Hylaeus schwarzii</i> (Cockerell, 1896)
Hymenoptera	Halictidae	<i>Dialictus</i>
Hymenoptera	Halictidae	<i>Lasioglossum</i>
Hymenoptera	Megachilidae	<i>Heriades variolosa variolosa</i> (Cresson)

Hymenoptera	Megachilidae	<i>Megachile</i>
Hymenoptera	Megachilidae	<i>Osmia</i>
Hymenoptera	Sphecidae	<i>Prionyx parkeri</i> Bohart & Menke, 1963
Hymenoptera	Vespidae	<i>Ancistrocerus campestris</i> (Saussure, 1852)
Hymenoptera	Vespidae	<i>Ancistrocerus unifasciatus seminole</i> Bequaert, 1943
Hymenoptera	Vespidae	<i>Eumenes fraternus</i> Say, 1824
Hymenoptera	Vespidae	<i>Euodynerus bidens</i> (Saussure, 1870)
Hymenoptera	Vespidae	<i>Euodynerus boscii</i> (Lepeletier, 1841)
Hymenoptera	Vespidae	<i>Euodynerus megaera</i> (Lepeletier, 1841)
Hymenoptera	Vespidae	<i>Euodynerus parvirudis</i> (Bohart, 1948)
Hymenoptera	Vespidae	<i>Euodynerus schwarzi</i> (Krombein, 1962)
Hymenoptera	Vespidae	<i>Parancistrocerus fulvipes rufovestis</i> (Bohart, 1948)
Hymenoptera	Vespidae	<i>Stenodynerus ammonia paraensis</i> (Saussure, 1855)
Hymenoptera	Vespidae	<i>Stenodynerus histrionalis histrionalis</i> (Robertson, 1901)
Hymenoptera	Vespidae	<i>Stenodynerus krombeini</i> Bohart, 1953
Hymenoptera	Vespidae	<i>Symmorphus canadensis</i> (Saussure, 1855)
Neuroptera	Berothidae	<i>Lomamyia banksi</i> Carpenter
Neuroptera	Sisyridae	<i>Climacia aerolaris</i> (Hagen)
Neuroptera	Sisyridae	<i>Sisyra fuscata</i> (Fabricus)
Neuroptera	Sisyridae	<i>Sisyra vicaria</i> (Walker)
Orthoptera	Batrachidae	<i>Tettigidea armata</i> Morse
Orthoptera	Batrachidae	<i>Tettigidea lateralis lateralis</i> (Say)
Orthoptera	Gryllidae	<i>Eunemobius</i>
Orthoptera	Tetrigidae	<i>Nomotettix cristatus cristatus</i> (Scudder)
Orthoptera	Tridactylidae	<i>Ellipes minutus minutus</i> (Scud.)

Ginger,

You recently contacted Gard Otis in regards to us assisting you in documenting the insects of the Hobcaw Barony. I was one of the assistant instructors involved in the Field Entomology class in the spring of 2004 and Gard asked me to pass on what we had available on the insects of the Hobcaw Barony. A list of the species we collected and have identified so far can be found below. This is not a complete list in that it is only the material that was collected by some of the instructors, been mounted, identified and had the identification databased. Some additional material has yet to be mounted and student material is not included in this list. Also, we did not collect any Lepidoptera, so there are no butterflies or moths listed. As our interest at the University of Guelph Insect Collection is focused largely on acalyprate Diptera (a subset of flies), with a bit of interest in aculeate Hymenoptera (the stinging wasps), bugs (Hemiptera) and certain beetles (Coleoptera), many of the other groups were not sampled.

Below I have discussed several state records in groups that I am familiar with (they may have been recently recorded but my available literature indicates that they are otherwise unrecorded). Additional ones might exist but we do not have enough literature available to us on the SC fauna to fully determine what new records occur in these other groups.

STATE RECORDS

Panagaeus crucigerus (Carabidae) is a beautiful ground beetle that is known from both NC and FL but had yet to be found in SC.

Dirrhagofarsus lewisi (Eucnemidae) was known from nearby GA, NY, WV and MA, so it too was not surprising to find this species in SC. It apparently develops on beech trees.

Abedus immaculatus (Belostomatidae) is an aquatic predator that had previously been known from nearby Georgia (south to Florida). Several specimens were found in the creek/run-off ditch near the visitors centre.

Proxius gypsatus (Aradidae) appears to be rare (or rarely collected) and was previously recorded in North America only from Florida. One specimen was collected from the lights at the cabins. No hosts plants are recorded.

Otiocerus degeeri (Derbidae) is also newly recorded from SC, but it is not surprising to find it here as it is recorded from almost everywhere else in the eastern USA. It was found feeding on oaks along the roadway.

Otiocerus stollii (Derbidae) is known from NY south to FL but had not previously been recorded to SC. It was found feeding on oaks along the roadway.

Cyarda melichari (Flatidae) is known from as far north as DC and south to FL but has not yet been recorded to SC. This species was found in relatively large numbers along the road in the salt marsh (Clambank Road near the observation tower). It is recorded on several shrubs and on *Juncus*.

The reduviids *Apiomerus crassipes*, *Melanolestes picipes*, *Pnirontis modesta*, *Pselliopus cinctus*, and *Repipta taurus* are all new state records. Most of these species were collected in the vicinity of the cabins, with the exception of *P. modesta*, which was taken near the salt marsh.

SALT MARSH INSECTS

I also understand that you had a specific interest in what material we might have collected in the salt marsh, but unfortunately most of that material has yet to be prepared. Our main focus was more inland, though we did make several trips to the salt marsh near the lab and also near the observation tower on Clambank Road. I have mentioned a few species of potential interest that I was aware of. From my own sampling, I know that there were several species of Delphacidae (*Delphacodes*, *Prokelisia*) along with numerous picture-winged flies (Otitidae), frit flies (Chloropidae), shore flies (Ephydriidae), assassin bugs (Reduviidae - *Pnirontis* species), a flatid plant hopper (Flatidae – *Cyarda melichari*) and a short-winged Caliscelidae (*Aphelonema*). tumbling flower beetles (Mordellidae), fungus weevils (Anthribidae), checkered beetles (Cleridae), soft-winged flower beetles (Melyridae), and leaf-mining flies (Agromyzidae). I cannot say which of these species are restricted to salt marshes and which ones may be incidentally there.

OTHER SPECIES OF POTENTIAL INTEREST

Several beaded lacewings (Berothidae) were taken during our stay near the cabins. These southern insects are interesting as the larva are predators of termites and have an interesting defense mechanism. One beautiful species, *Laphria saffrana*, was observed during our stay but never collected. This wasp mimicking predator has a distinctive black “skull” on its thorax and was seen several times in the oak savannah along the road.

Students worked on several interesting groups during our stay, including the food preference of harvester ants (near the main meeting building), funnel size and density dependence in ant-lions (underneath the cabins), and a stilt legged fly that was found lekking (along the road way to the lab). If you would like to know more about these projects, please contact Gard as he was more involved in the group projects.

Hope this list is helpful in documenting the insects of the region. The area truly is beautiful and the facilities were great. If there is anything else I can help you with, let me know. I hope that our group may get the chance to visit your facilities again in the future.

Steve Paiero