INDEX OF SUBJECTS

A

Aedes aegypti (L.):
Observations on the effect of microclimate on biting by (LUMSDEN) 361

Agriotes:
See Wireworm

Aphelocheirus:
See Plastron respiration

Bedbug:
Preliminary studies on the nutritional requirements of the (Cimex lectularius L.) and the tick Ornithodorus moubata Murray (MEILLON and GOLBERG) 41

Calandra granaria Linn.:
The influence of temperature and humidity on instar length in (EASTHAM and SEGROVE) 79

Cellulose:
The digestion of, by sheep. The extent of cellulose digestion at successive levels of the alimentary tract (GRAY) 15

Central nervous system:
Investigations on the regional determination of the (NIEUWKOOP) 145

Chemoreceptors:
of the wireworm (Agriotes spp.) and the relation of activity to chemical constitution (CROMBIE and DARAH) 95

Chironomus:
On the function of haemoglobin in, after oxygen lack (WALSHE) 329

— The function of, in Tanytarsus (Chironomidae) (WALSHE) 343

Mallard:
Seasonal cyclical changes in the thymus of the (HÖHN) 184

Microclimate:
Observations on the effect of, on biting by Aedes aegypti (L.) (Dipt., Culicid.) (LUMSDEN) 361

Micro-respirometer, metal:
of the Barcroft type suitable for small insects and other animals (CRISP and THORPE) 304

Mosquitoes:
Visual responses of, artificially rendered flightless (RAO) 64

Ocellus, insect:
The function of the (PARRY) 211

Ornithodorus moubata Murray:
See Bedbug

Oyster muscle:
The succinoxidase system in (HUMPHREY) 352

Plastron respiration:
Studies on:
— I. The biology of Aphelocheirus [Hemiptera, Aphelocheiridae (Nau- coridae)] and the mechanism of plastron retention (THORPE and CRISP) 227

— II. The respiratory efficiency of the plastron in Aphelocheirus (THORPE and CRISP) 270

— III. The orientation responses of Aphelocheirus [Hemiptera, Aphelocheiridae (Nau- coridae)] in relation to plastron respiration; together with an account of specialized pressure receptors in aquatic insects (THORPE and CRISP) 310

Pygosteus pungitius L.:
The reactions of, to toxic solutions (JONES) 110

B

C

Calandra granaria Linn.:
The influence of temperature and humidity on instar length in (EASTHAM and SEGROVE) 79

Cellulose:
The digestion of, by sheep. The extent of cellulose digestion at successive levels of the alimentary tract (GRAY) 15

Central nervous system:
Investigations on the regional determination of the (NIEUWKOOP) 145

Chemoreceptors:
of the wireworm (Agriotes spp.) and the relation of activity to chemical constitution (CROMBIE and DARAH) 95

Chironomus:
On the function of haemoglobin in, after oxygen lack (WALSHE) 329

— The function of, in Tanytarsus (Chironomidae) (WALSHE) 343

Mallard:
Seasonal cyclical changes in the thymus of the (HÖHN) 184

Microclimate:
Observations on the effect of, on biting by Aedes aegypti (L.) (Dipt., Culicid.) (LUMSDEN) 361

Micro-respirometer, metal:
of the Barcroft type suitable for small insects and other animals (CRISP and THORPE) 304

Mosquitoes:
Visual responses of, artificially rendered flightless (RAO) 64

Ocellus, insect:
The function of the (PARRY) 211

Ornithodorus moubata Murray:
See Bedbug

Oyster muscle:
The succinoxidase system in (HUMPHREY) 352

Plastron respiration:
Studies on:
— I. The biology of Aphelocheirus [Hemiptera, Aphelocheiridae (Nau- coridae)] and the mechanism of plastron retention (THORPE and CRISP) 227

— II. The respiratory efficiency of the plastron in Aphelocheirus (THORPE and CRISP) 270

— III. The orientation responses of Aphelocheirus [Hemiptera, Aphelocheiridae (Nau- coridae)] in relation to plastron respiration; together with an account of specialized pressure receptors in aquatic insects (THORPE and CRISP) 310

Pygosteus pungitius L.:
The reactions of, to toxic solutions (JONES) 110

D

Diphyllolobothriidae:
Aseptic cultivation of larval, in vitro (Studies on tapeworm physiology, III) (SMYTH) 374

E

Electro-magnetic mixer:
for manometric experiments (LASER and ROTHCHILD) 387

F

Fatty acids:
The absorption of volatile, from the rumen (GRAY) 1
— The analysis of mixtures of (GRAY) 11

G

Glycogen:
Distribution of, in the developing salmon (Salmo salar L.) (DANIEL) 123

Greenfinch:
Experimental modification of the sexual cycle of the (DAMSTE) 20

H

Haemoglobin:
On the function of, in Chironomus after oxygen lack (WALSHE) 329

— The function of, in Tanytarsus (Chironomidae) (WALSHE) 343

M

Mallard:
Seasonal cyclical changes in the thymus of the (HÖHN) 184

Microclimate:
Observations on the effect of, on biting by Aedes aegypti (L.) (Dipt., Culicid.) (LUMSDEN) 361

Micro-respirometer, metal:
of the Barcroft type suitable for small insects and other animals (CRISP and THORPE) 304

Mosquitoes:
Visual responses of, artificially rendered flightless (RAO) 64

Ocellus, insect:
The function of the (PARRY) 211

Ornithodorus moubata Murray:
See Bedbug

Oyster muscle:
The succinoxidase system in (HUMPHREY) 352

P

Plastron respiration:
Studies on:
— I. The biology of Aphelocheirus [Hemiptera, Aphelocheiridae (Nau- coridae)] and the mechanism of plastron retention (THORPE and CRISP) 227

— II. The respiratory efficiency of the plastron in Aphelocheirus (THORPE and CRISP) 270

— III. The orientation responses of Aphelocheirus [Hemiptera, Aphelocheiridae (Nau- coridae)] in relation to plastron respiration; together with an account of specialized pressure receptors in aquatic insects (THORPE and CRISP) 310

Pressure receptors in aquatic insects:
See Plastron respiration

Pygosteus pungitius L.:
The reactions of, to toxic solutions (JONES) 110
### Index of Subjects

**R**  
- **Rabbits:**  
  Studies on sterility and prenatal mortality in wild. Part III. The loss of ova before implantation (BRAMBELL and MILLS) 192  
- **Regeneration in Crustacea:**  
  - Local factors and (NEEDHAM) 220  
  - Rhythmic impedance: changes in the egg of the trout. III (ROTHSCHILD) 390

**S**  
- **Salmon (Salmo salar L.):**  
  Distribution of glycogen in the developing (DANIEL) 123  
- **Sexual cycle of the greenfinch:**  
  Experimental modification of the (DAMSTE) 20

**Sterility and prenatal mortality:**  
- Studies on, in wild rabbits. III. The loss of ova before implantation (BRAMBELL and MILLS) 192  
- **Succinoxidase system:**  
  in oyster muscle (HUMPHREY) 352

**T**  
- **Tanytarsus (Chironomidae):**  
  - The function of haemoglobin in (WALSH) 343  
- **Tapeworm physiology:**  
  - Studies on. III. Aseptic cultivation of larval diphyllobothriidae *in vitro* (SMYTH) 374  
- **Temperature and humidity:**  
  - The influence of, on instar length in *Calandra granaria* Linn. 79  
- **Tick:**  
  - See Bedbug  
- **Toxic solutions:**  
  - The reactions of *Pygosteus pungitius* L. to (JONES) 110  
- **Trout egg:**  
  - Rhythmic impedance in the, III (ROTHSCHILD) 390  

**W**  
- **Wireworm:**  
  - The chemoreceptors of the (*Agriotes* spp.), and the relation of activity to chemical constitution (CROMBIE and DARAH) 93