

## INDEX

## INDEX

### A

- Abnormal abdomen, 39-41, 47
- Abnormal venation, 195-196
- Abraxas, 70, 78-79, 83-88, 153-154
- Age, 42
- Altenburg, 191
- Amitosis, 118
- Andalusian fowl, 28-29
- Antirrhinum, 69, 138
- Aphids, 97
- Arc wings, 37
- Ascaris, 79, 119, 129-131

### B

- Back cross, 50
- Baltzer, 96-97, 114-117, 121
- Band, 206
- Bar eye, 29-30, 58-59, 62-64, 232
- Bateson, 5, 74-76, 173, 214-216
- Batrachoseps, 123-125, 132
- Baur, 38, 138-139, 157, 233
- Beaded wing, 194-195, 232
- Beans, 159, 204-205, 213
- Belling, 190
- van Beneden, 129
- Bierens de Haans, 110
- Bifid wings, 64
- Biston, 144-145
- Black color, 37, 42, 48-53, 181-182, 233
- Bonellia, 96-97
- Boveri, 110-113, 119
- Bow wings, 37
- Brauer, 129

- Bryonia, 79
- Bursa, 175-178

### C

- Canaries, 70, 79
- Carothers, 140
- Castle, 187-188, 190, 196-202, 205
- Cat, 70, 79, 83
- Cattle, 222
- Cherry eyes, 164-166, 233
- Chiasmatype, 132-134
- Chickens (see Fowls).
- Chlorophyll grains, 137-139
- Chromosomes, 2, 7-8
- Club, 32-34
- Color blindness, 83
- Columbine, 157
- Corn, 26, 161-164, 179, 188-190
- Correns, 137-138
- Cotton, 26
- Coupling, 5
- Cream color, 203
- Crossing over, 48-71, 131-135
- Ctenolabrus, 121
- Cuénot, 159, 190
- Cumulative factors, 174

### D

- Daphnians, 97
- Davenport, 190, 212
- Dederer, 90
- Dexter, 194-195
- Differentiation, 43-45
- Dominance, 31-32

- Doncaster, 83-88, 90, 121, 144-145,  
153-154
- Driesch, 113
- Drosophila, 5-26, 29-35, 37-43,  
45-70, 78-83, 90-92, 105,  
132, 134, 148-153, 154-  
157, 164-167, 173-174,  
181-182, 191-196, 203,  
205-209, 229-234
- Ducks, 79
- Dunaliella, 97
- E
- East, 179, 183-185, 189-190
- Ebony color, 13, 21-25, 37, 167,  
181-182, 233
- Emerson, 159, 161, 164, 170, 190
- Environment, 38-42
- Eosin eyes, 155-156, 165-166, 233
- Evening primrose (see *Oenothera*).
- Eye color, 208-209
- Eyeless, 13-14, 25, 233
- F
- Facet, 38
- Factors, 3
- Fantails, 186-187
- Faust, 106
- Federley, 121, 141-144
- Formulæ, 233-235
- Four o'clock, 26, 27-28, 137-138
- Fowls, 28-29, 36, 70-73, 79, 90,  
179, 216-219
- Fractionation, 214-216
- Fringed wings, 37
- Fundulus, 121
- G
- Gates, 146
- Gregory, 147-148
- H
- Hæmophilia, 83
- Hagedoorn, 190
- Hayes, 190
- Helix, 26
- Herbst, 110, 116-117, 121
- Heribert-Nilsson, 190
- Hertwig, G., 121
- Hertwig, O., 129
- Hertwig, P., 121
- Hipponoë, 116
- Hoge, 41
- Holmes, 212
- Hurst, 212
- Hybrids, 120-121, 141-146
- Hydatina, 97-99
- I
- Ids, 225
- Inhibitors, 222
- Interference, 64
- J
- Janssens, 123-125, 132-134
- Jaunty wings, 37
- Johannsen, 190, 204-205, 213
- K
- Kajanus, 190
- L
- Leptinotarsa, 26, 43-44
- Lethal factor, 105, 233
- Linkage, 5
- Lock, 5
- Lutz, A. M., 146
- Lutz, F. E., 195-196

Lychnis, 7, 79, 138, 159  
Lymantria, 70

## M

MacDowell, 185, 187, 190  
Man, 26, 79, 83, 212  
Maréchal, 125-127  
Maturation, 59-60, 122-131  
Melandrium (see Lychnis).  
Mendel, 1, 30, 227  
Menidia, 121  
Metapodius, 120, 140  
Miniature wings, 30, 58, 62-63, 233  
Mirabilis (see Four o'clock).  
Moenkhaus, 120  
Morris, 121  
Mouse, 26, 45, 159, 161, 179-180,  
190  
Mutations, 35, 205-207

## N

Nabour, 162-163  
Nicotiana, 26, 183-185, 190 (see  
Tobacco).  
Nightshade, 26  
Nilsson-Ehle, 174, 178-179, 190  
Non-disjunction, 7, 80, 149-154

## O

Oats, 179, 190  
Oenothera, 26, 146-147

## P

Paratettix, 162-163  
Pea, 1, 26, 69  
Peach eyes, 166  
Pearl, 190  
Pelargonium, 138-139

Phillips, 190, 196-197, 201  
Phragmatobia, 88-90  
Phylloxera, 99-105  
Pigeons, 70, 186-187  
Pink eyes, 37, 42, 45, 47, 166, 173,  
233  
Potato beetle (see Leptinotarsa).  
Præformation, 223  
Presence and absence, 216-222  
Primrose (see Primula).  
Primula, 38, 69, 147-148  
Pristiurus, 125-127  
Punnett, 5, 76  
Pure line, 213  
Purple eyes, 42, 45  
Pygæra, 141-144

## R

Rabbits, 157-158, 185-188, 190  
Rats, 196-202  
Reduplicated legs, 41-42  
Reduplication, 74-77  
Rosenberg, 121  
Rough, 38  
Roux, 77, 224  
Ruby eyes, 37  
Rudimentary wings, 34-35, 38,  
209, 233

## S

Sable color, 37, 63-64  
Sea urchins, 110-118  
Segregation, 3  
Seiler, 86, 88-90  
Sex chromosomes, 14-16, 78-90  
Sex limited, 94-95  
Shull, A. F., 97  
Shull, G. H., 159, 175-178, 190  
Silkworm, 37, 69, 136-137, 159-160  
Snapdragon (see Antirrhinum).

Sooty color, 166-167  
 Sphærechinus, 114-116  
 Spiders, 79  
 Spot, 167, 233  
 Spread wings, 37  
 Stature, 173  
 Stevens, 90  
 Stocks, 69  
 Streak, 207  
 Strongylocentrotus, 114-116  
 Sutton, 4  
 Sweet peas, 5, 36, 69, 174-175

T

Tammes, 190  
 Tanaka, 69, 159  
 Tennent, 116, 121  
 Tetrad, 128  
 Thomas, 146  
 Tobacco (see *Nicotiana*).  
 Tomato, 26  
 Tower, 43-44  
 Toxopneustes, 116  
 Trefoil, 206  
 Trident, 205-207  
 Trow, 75  
 Truncate wings, 34, 38, 191-194  
 Tschermak, 190

## U

Unit character, 210

## V

Vermilion eyes, 45, 63-64, 233  
 Vestigial wings, 8-12, 21-25, 48-53,  
 233  
 de Vries, 226

## W

Weismann, 77, 211, 223-225  
 Wheat, 26, 179, 190  
 White eyes, 16-20, 31, 45, 47, 54-  
 59, 62-64, 82, 149-151,  
 155-156, 164-166, 208,  
 233  
 Whitney, 97  
 Wilson, 120, 140

## Y

Yellow color, 54-58, 64, 156, 167,  
 233

## Z

Zeleny, 106