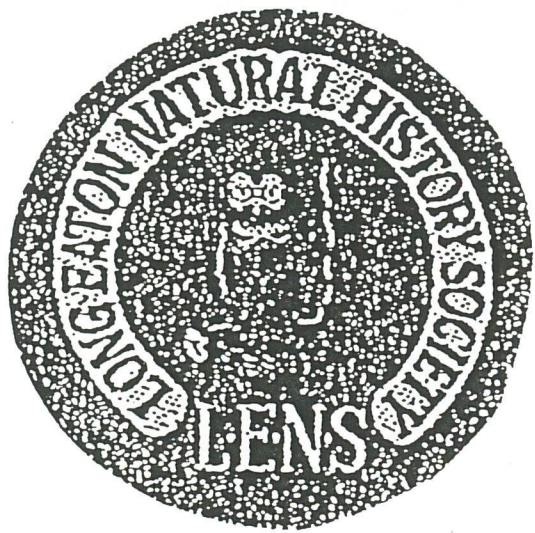


# LONG EATON NATURAL HISTORY SOCIETY BULLETIN

No. 39

WINTER 1999

CHAIRMAN -	ALAN HEATH
VICE-CHAIRMAN -	JOHN BLACKBURN
SECRETARY -	JEANETTE RHODES
TREASURER -	BOB WASLEY
MEETINGS SECRETARIES -	JOHN & FAY BLACKBURN



Weasel on the alert for food.

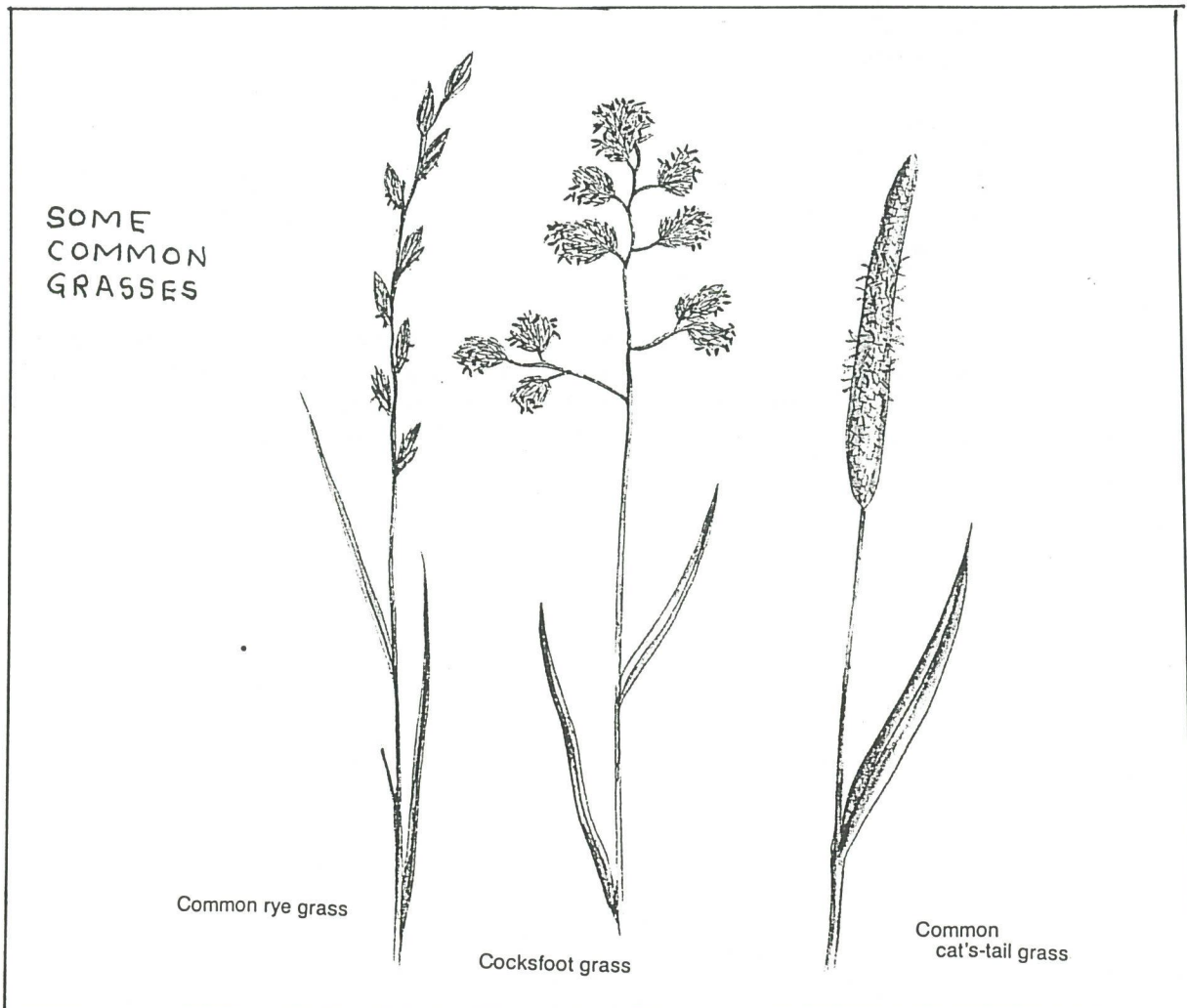
BIRD SURVEY at Firfield Primary School, Breaston : 1998

by the children, records of which were sent to B.T.O.

During 1998, the children recorded birds and other wildlife at a garden they have created at the school. The period covered is from 1st February to 20th December.

Blackbird  
Blue Tit  
Chaffinch  
Coal Tit  
Collared Dove  
Dunnock  
Goldfinch  
Great Tit  
Greenfinch  
House Sparrow  
Long-tailed Tit  
Magpie  
Marsh/Willow Tit  
Pied Wagtail  
Robin  
Sparrowhawk  
Starling  
Woodpigeon  
Wren

Records supplied by  
June Crosby



POND LIFE STUDIES - 1998

Alan Heath

During the year 6 ponds were visited and a check list produced for each. Forbes Hole Main Pond was the main study with 5 visits being made.

	TROWELL MARSH	STANTON GATE	FOX COVERT, Long Eaton	FORBES HOLE, Main Pond	FORBES HOLE, Small Pond	TRENTON DRIVE, Long Eaton	
NUMBER OF SAMPLES	2	1	1	5	1	1	TOTAL **
NUMBER OF SPECIES	14	12	11	40	24	12	

FORBES HOLE : It is interesting to note that since the return of the water, the number of species has increased. Only one sample was obtained from the Small Pond as the water was slow to return but this did reveal 8 species which were not recorded in the Main Pond.

The pH of the Main Pond varied between 7.4 and 8.0. Dissolved Oxygen varied between 6.0 and 9.5 ppm. Total hardness varied between 90 and 230 ppm and Conductance varied between 166 and 333  $\mu$  S

KEY :  
 VR Very Rare  
 R Rare  
 O Occasional  
 C Common  
 F Frequent  
 A Abundant  
 VA Very Abundant  
 D Dominant

<u>FORBES HOLE</u> 1998		1 Feb	26 Apr	19 Jul	27 Sep	21 Nov	TOTAL	POP. INDEX	PREVIOUS	DIFFERENCE	SMALL POND	2 Dec
Pediastrum				VR	VR		2	0.4	0.5	-0.1		
Scenedesmus					0	R	5	1.0	-	+1.0		
Dinobryon	C						4	0.8	-	+0.8		
Peridinium	VR	R			D	0	14	2.8	2.5	+0.3		
Euglena		VR		R	0	0	9	1.8	1.0	+0.8		
Nitzschia sigmoidea	R	R			R	0	9	1.8	2.0	-0.2	1.0	
Pinnularia	R	R		R	R	0	11	2.2	2.5	-0.3	1.0	
Pleurosigma											1.0	
Fragellaria											2.0	
Diatoma	0	0		R	R	R	12	2.4	2.0	+0.4		
Cymbella ehrenbergii	0	R		VR	R	C	12	2.4	1.0	+1.4	4.0	
Synedra	0	C		A	D		21	4.2	3.5	+0.7	3.0	
Tubifex											1.0	
Amoeba	R				R		4	0.8	-	+0.8		
Gomphenema	VR						1	0.2	-	+0.2		
Rotifer sp.	VR	R		VR		R	6	1.2	-	+1.2		
Myriophyllum				D <sup>R</sup>		R	10	2.0	-	+2.0		

MAIN POND

DATE	pH	O <sub>2</sub> ppm	Hardness ppm	Conductance $\mu$ S
1998				
Feb 1	8.0	8.1	215	166
Apr 26	7.9	6.5	100	166
Jul 19	7.7	9.5	90	166
Sep 27	7.4	6.0	220	333
Nov 21	7.5	9.5	230	333

SPECIES FOUND IN SMALL POND ONLY but not in the Main Pond

Dragonfly larva, Caddis larva, Daphnia hyalina,  
Simocephalus, Pleurosigma, Fragellaria, Tubifex,

<u>TOTAL SPECIES</u>	?	MAIN POND	40
		SMALL POND	24
		BOTH PONDS	48

Paramecium

WEATHER SUMMARY 1998

- January - Fair amount of rain with snow on the 5th. Very windy on the 4th and the barometer dropped to 28.9 early evening but recovered later. Much drier in the last week. River Trent in flood first week especially the 7th. In the first week 2.23 inches (56.7mm) of rain fell.
- February - The driest month of the year and also mild, especially on the 12th, 13th and 14th. Despite this the coldest day of the year was recorded on the 1st of the month.
- March - A wet month. By the 3rd there was more rain than for the whole of February. An inch in 24 hours on the 6th and River Trent in flood. Second week dry. Very high pressure 18th to 21st.
- April - A very wet month being the wettest April I have ever recorded. A cover of snow on the 10th and snow which did not settle on the 12th. An inch of Rain in 24 hours on the 10th. Some rain with thunder on 22nd.
- May - A mainly dry month but a thunderstorm on the 10th. Very warm in the third week.
- June - A very wet month with just a few warm days. Wettest month of the year and the wettest day of the year was on the 2nd with over an inch of rain in 12 hours.
- July - Low amount of rain though a fair number of days upon which rain fell. A mixed month.
- August - Second week very warm and this was the only month when temperatures reached or exceeded 80 F. Warmest day of the year was on the 11th with 85 F. Inch of rain in 24 hours on the 23-24th which included a thunderstorm.
- September - A mixed month. A few warm days and a little fog in the first week.
- October - A very wet month. Inch of rain in 24 hours on 27th. River Trent in flood last week of the month and the last week was mainly wet and windy.
- November - A mixed month including fog. Strong wind on the night of the 9th.
- December - Another mixed month but mild at times. A mild Christmas but very windy. Christmas day was the wettest day of the month and there was a gale on the 26th



