



BURTON-ON-TRENT

Natural History & Archæological Society,

10. HIGH STREET.

293 14
Annual Report, Balance Sheet, &c., &c.,

FOR THE

YEAR ENDING SEPTEMBER 30TH, 1890.

BURTON-ON-TRENT:
JAMES G. WHITE, PRINTER, 10, HIGH STREET.

1891.



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One exception however to this rule too may be recorded, the larvæ of *D. cucubali* having been so numerous in my own garden as to devour every leaf of the bladder-campion, which has obligingly sown itself there. But the chief Entomological event of the year, so far as our district is concerned, has been the addition to our list of *S. anomala*, which has hitherto been represented by one doubtful capture of considerable antiquity. Mr. R. Freer, of Rugeley, and I took it in some numbers, flying at dusk, on the open part of Cannock Chase, during the evening of August 1st, and its occurrence in this county must now be regarded as an established fact. I had also the pleasure of taking, in the same locality, on Tuesday, July 29th, a remarkable black variety of *A. Aglaia*, (an insect of which scarcely any varieties are known to exist) which was exhibited at the meeting of the Entomological Society of London, on Wednesday, October 1st, and has since been figured by Mr. Mosley, of Huddersfield. I also took at the same time a female of *S. belgiaria*, which has only once before occurred in the district. These instances shew that even in a bad season it is possible to pursue Entomology with advantage, and may serve—I hope—to encourage those collectors who are prone to lose heart when things do not go quite according to their wishes.

CHAS. F. THORNEWILL,

CHAIRMAN.

REPORT OF THE BOTANICAL AND MICROSCOPICAL
SECTION, 1889-90.

CHAIRMAN: J. T. HARRIS, ESQ.

The Botanical Section, as a whole, has but little to report this year, though its working members have not by any means been idle.

Two evening Meetings were held during the winter, at which the average attendance was 9. At the first, which took place on November 28th, Mr. J. E. Nowers read a Paper on "A Botanical Ramble on Ben Lawers" which was illustrated by a large number of Specimens collected by himself. At the second, held on April 28th, the Chairman exhibited and described part of his splendid collection of plants from Algeria, and the Hon. Sec. exhibited leaves and photographs of the Lattice-leaf plants, (*Ouviranda fenestralis*, and *bernieriana*.)

The work upon the Flora of the district, has, I regret to say, made but slow progress during the past Session, but this I hope to see remedied in the forthcoming winter.

The Phenological Observations have again being systematically carried out, and the results accompany this Report.

An Excursion to Forest Banks was arranged, but fell through, owing to the district being strictly preserved.

The fieldwork of the past year, which I am sorry to have to report as having been carried on by two members only, did not result in the finding of any plants entirely new to the district, but has placed on record fresh localities for ten species. The list is as follows :—

By MR. J. E. NOWERS—

Ranunculus Lenormandi, (F. Schultz), Branstone.

Draba muralis, Linn., Weaver Hills.

Silene nutans, Linn., Tho's Cave.

Prunus insititia, Huds., Bredon.

Ribes alpinum, Linn., Dove Dale.

Apium inundatum, Reichb., Bagots Park.

By MR. J. E. NOWERS and the HON. SEC.

Montia fontana, Linn., Bredon.

Peplis Portula, Linn., Branstone.

Scirpus sylvaticus, Linn., Bredon.

By the HON. SEC.—

Prunus insititia, Huds., Catton.

Veronica scutellata, Linn., Branstone.

JAMES G. WELLS,

HON. SEC. OF SECTION.



REPORT OF THE PHOTOGRAPHIC SECTION, 1889-90.

CHAIRMAN : R. CHURCHILL, ESQ.

The following Meetings have been held—

Oct. 10th—“Paper Printing process”—Paper by Mr. A. L. Stern.

Nov. 13th—General discussion.

Dec. 4th—Demonstration in Enlarging, by Dr. G. H. Morris.

Exhibition of Opalines, by Mr. H. Port.

Jan. 29th—The Autotype Co's. process, by Mr. J. G. Wells.

The Kallitype process, by Mr. A. L. Stern.

Exhibition of Marion's Box Cameras, by Mr. R. Churchill.

Feb. 26th—“The Work of the Photographic Society”—Paper by Mr. A. L. Stern.

Mar. 17th—Discussion on “The Photographic Survey of Burton-on-Trent.”

Apr. 30th—Exhibition of Lancaster's See-saw Shutter, by Mr. R. Churchill.

,, of the Thornick-Pearl Shutter, by Mr. H. H. Port.

,, ,, new Enlarging Camera, by the Hon. Sec.

Oct. 1st—Exhibition of Members' Summer Work.

In all, eight Meetings have been held, at which the average attendance has been 7.25. The Section has purchased a 15 × 12 enlarging Camera for the use of the members.

The Section has also commenced a Photographic Survey of the District, and has drawn up a scheme for carrying it out; a copy of which may be obtained on application to the Hon. Secretary.

A. L. STERN,

HON. SEC.

THE WEATHER OF 1889.

The year 1889, as a whole, presents no noteworthy feature, rainfall and temperature alike being normal, but the same cannot be said of the monthly distribution, for March, April, and May, were abnormally wet months, January, June, and November, being on the other hand, unusually dry; and, whilst the mean temperatures of May, June, and November were much in excess of the average, those of February, July, and August were correspondingly deficient.

MEAN SHADE TEMPERATURE.

	Years for 1889.	Averages of Years 1876-88.	Difference of 1889 from average.
Jan.	39.7	36.1	+ 0.8
Feb.	37.3	39.3	- 2.0
March	40.1	39.6	+ 0.5
April	44.1	44.3	- 0.2
May	51.2	49.7	+ 1.5
June	39.5	36.5	+ 3.0
July	58.4	60.0	- 1.6
Aug.	57.2	59.7	- 2.0
Sept.	54.3	54.2	+ 0.1
Oct.	46.2	46.8	- 0.6
Nov. ..	44.2	41.3	+ 2.9
Dec.	37.5	37.4	+ 0.1
Year.....	47.5	47.0	+ 0.5

The year opened with a January of almost normal mean Temperature, followed by a cold February. March and April did not deviate appreciably from the average, but with May came unusually hot weather, which was continued into the following month. The mean for May was not exceeded during the past thirteen years, and that for June was only beaten in 1887. July however showed a deficiency, as did August, the remainder of the year presenting no remarkable feature save the warm November.

RAINFALL.

	Totals for 1889.	Averages of 1876-88.	Difference of 1889 from average.
Jan.	1.02	1.99	- 0.97
Feb.	1.88	2.03	- 0.15
March	3.61	1.71	+ 1.90
April	3.40	2.02	+ 1.38
May	3.57	2.26	+ 1.31

LIST OF MEMBERS,

JANUARY, 1891.

HONORARY MEMBERS.

BAKER, G., Rose Mount Road, Burton-on-Trent.
 BLATCH, W. G., Albert Villa, Green Lane, Birmingham.
 DAWKINS, W. HOYD, M.A., F.R.S., F.G.S., &c., The Owen's College,
 Manchester.
 HARRISON, W. J., F.G.S., 365, Lodge Road, Hockley, Birmingham.
 HERON, J., B.E., F.C.S., F.I.C., St. John's Villas, Worple Rd., Wimbledon.
 MELLO, REVD. J. M., F.G.S., &c., Mapperley Vicarage, near Derby.
 TRIPP, C. U., M.A., F.R.Met.S., The Royal Grammar School, Henley-on-
 Thames.

Adams, A.	...	...	...	...	Bearwood Hill Road.
Adamson, Revd. D.	...	...	...	...	Holmhyrst, Ashby Road.
Allsopp, Hon. G. H., M.P., J.P.	...	...	...	...	Foston Hall.
Appleby, G.	...	...	...	...	Ashby Road.
Atkinson, G. D.	...	...	...	...	Newton Road.
Atkinson, Mrs. G. D.	...	...	...	...	"
Auty, R. H.	...	...	...	...	Arthurleigh House, Ashby Road.
Auty, Mrs. R. H.	...	...	...	...	" " "
Baggley, C.	...	...	...	...	13, Sydney Street.
Barnes, Revd. E. G.	...	...	...	...	Guild Street.
Bass, H. A., M.P., J.P.	...	...	...	...	By Kley Lodge.
Baxter, F.	...	...	...	...	Ivy House, Lichfield Street.
Beardmore, T.	...	...	...	...	Newton Road.
Beckett, Revd. T. W., M.A.	...	...	...	...	School House, Lichfield Street.
Beels, G.	...	...	...	...	104, Horninglow Street.
Bence, H., B.A.	...	...	...	...	Ashby Road.
Benson, A.	...	...	...	...	Carlton Villas, Shobnall Road.
Benwell, A.	...	...	...	...	Rolleston.
Bindley, J. A., Lieut. Col., J.P.	...	...	...	...	The Abbey.
Blackburn, —	...	...	...	...	Branstone Road.
Blackhall, Miss E. M.	...	...	...	...	Branstone Road.
Bound, C. J.	...	...	...	...	Blackpool Street.
Bramell, Rev. J.	...	...	...	...	Branstone Vicarage.
Bridgman, H. E., M.R.C.S., L.R.C.P.	...	...	...	...	Bridge Street.
Briggs, S.	...	...	...	...	Branstone Road.
Bright, G.	...	...	...	...	Belmont, Alexandra Road.
Bronwich, F. A.	...	...	...	...	42, Alexandra Road.
Brown, Adrian J., F.C.S., F.I.C.	...	...	...	...	Spring Terrace Road, Stapenhill.
Brown, Mrs. A. J.	...	...	...	...	" " "

LIBRARY REGULATIONS.

Books shall be issued to Members by the Librarian, General Secretary or Assistant Secretary only.

2. No Members shall have more than two Books at any one time.

3. Any Book may be retained for one month from date of issue, provided no other Member has applied for it in the meantime, in which case it must be returned within 14 days of date of issue, or on demand, as the case may be.

4. On returning a Book a member may renew it for a further period of one month should no other application be made for it.

5. All books required for Sectional Meetings must be applied for beforehand in the usual way by the Secretary of the Section, who will be held responsible for their safe custody and return.

6. All Books must be returned to the Library by September 1st in each year, and will not be re-issued until October 1st.

7. The Officer who issues or receives a book shall make an entry of the same in the book provided for that purpose, and initial it.

8. Members will be held responsible for Books issued to them, and will be required to replace all Books lost or damaged while in their custody.

