

U e b e r s i c h t

der

im Jahre 1874

in Mähren und österr. Schlesien, sowie zu Freistadt in Ober-Oesterreich
angestellten phänologischen Beobachtungen.

Die nachfolgenden Beobachtungen verdankt der Verein den Herren:

Professor Adolf Oborný in Znaim; Johann Gans in Bärn; Professor Emanuel Urban in Freistadt und Professor Anton Tomaschek in Brünn.

I. Pflanzenreich.

1. Bäume und strauchartige Gewächse.

a) Laubentfaltung.

Z n a i m .

Acer campestre 16.4, A. platanoides 10.4, Aesculus Hippocastanum 6.4, Betula alba 6.4, Berberis vulgaris 16.4, Cotoneaster vulgaris 6.4, Crataegus Oxyacantha 15.4, Euonymus europaeus 5.4, E. verrucosus 6.4, Ligustrum vulgare 12.4, Lonicera Caprifolium 24.3, Pinus Larix 13.4, Prunus avium 12.4, P. Padus 4.4, Pyrus communis 17.4, P. Malus 15.4, Ribes aureum 12.4, R. Grossularia 2.4, Rosa canina 5.4, Salix fragilis 6.4, Sambucus nigra 29.3, Syringa vulgaris 4.4, Tilia grandifolia 12.4.

B r ü n n .

Aesculus Hippocastanum: Öffnen der gemischten Knospe 8.4, ausgebretete Blätter 14.4.

B ä r n :

Aesculus Hippocastanum 12.5, Alnus glutinosa 3.6, Betula alba 12.5, Corylus Avellana 4.5, Fagus silvatica 12.5, Fraxinus excelsior 28.5, Pinus Larix 5.5, Prunus avium 23.5, P. Padus 5.5, Pyrus communis 23.5, P. Malus 23.5, Ribes Grossularia 15.4, Robinia Pseud' Acacia 4.6, Rosa canina 6.5, Rubus idaeus 12.5, Salix capraea 28.5, Sambucus nigra 6.5, Tilia grandifolia 23.5, T. parvifolia 28.5, Ulmus campestris 28.5.

b) Blüthe.

Beobachtete Pflanze	Znaim	Freistadt Ob. Oesterr.	Brünn	Bärn
<i>Acer campestre</i>	25.4	—	—	12.5
„ <i>platanoides</i>	13.4	22.4	7.4, 12.4 V.	7.5
<i>Aesculus Hippocastanum</i> . . .	27.4	2.6	—	4.6
<i>Alnus glutinosa</i>	21.3	4.4	—	5.4
<i>Berberis vulgaris</i>	13.5	2.6	—	4.6
<i>Betula alba</i>	16.4	22.4	14.4	27.4
<i>Calluna vulgaris</i>	—	5.8	—	8.8
<i>Cornus mas</i>	5.4	—	14.4	—
<i>Cydonia vulgaris</i>	24.5	—	—	—
<i>Corylus Avellana</i>	2.3	28.3	6.3	28.3
<i>Crataegus Oxyacantha</i>	7.5	—	12.5, 20.5 V.	9.6
<i>Cytisus Laburnum</i>	19.5	—	—	20.6
<i>Daphne Mezereum</i>	—	3.4	1.3	4.4
<i>Fraxinus excelsior</i>	29.4	—	—	12.5
<i>Genista germanica</i>	26.5	—	25.5	—
„ <i>tinctoria</i>	28.5	—	27.5	—
<i>Juglans regia</i>	26.4	—	26.4	—
<i>Ligustrum vulgare</i>	8.6	—	14.7	—
<i>Lonicera Caprifolium</i>	25.5	10.6	—	—
„ <i>Xylosteum</i>	1.5	—	10.5	4.6
<i>Lycium barbarum</i>	7.5	—	25.4	—
<i>Persica vulgaris</i>	13.4	12.5	16.4	—
<i>Philadelphus coronarius</i>	7.6	3.7	1.6	22.6
<i>Pinus silvestris</i>	27.5	29.5	—	—
<i>Populus pyramidalis</i>	6.4	—	12.4	25.4
„ <i>tremula</i>	28.3	4.4	30.3	11.4
<i>Prunus armeniaca</i>	13.4	—	15.4	—
„ <i>avium</i>	14.4	26.4	17.4	12.5
„ <i>Cerasus</i>	23.4	—	—	20.5
„ <i>domestica</i>	18.4	—	18.4	1.6
„ <i>Padus</i>	18.4	16.5	22.4	27.5
„ <i>spinosa</i>	14.4	25.4	19.4	23.5
<i>Pyrus communis</i>	22.4	25.4	23.4	30.5
„ <i>Malus</i>	29.4	—	1.5	25.5
<i>Rhamnus Frangula</i>	1.6	12.6	3.6	22.6
<i>Ribes aureum</i>	20.4	—	22.4	—
„ <i>Grossularia</i>	16.4	22.4	17.4	23.4
„ <i>rubrum</i>	22.4	—	18.4	26.4
<i>Robinia Pseud-Acacia</i>	2.6	—	1.6	26.6
<i>Rosa canina</i>	1.6	14.6	3.6	23.6
<i>Salix Capraea</i>	1.4	—	6.4	—
<i>Salix fragilis</i>	16.4	—	16.4	—
<i>Sambucus nigra</i>	1.6	10.6	29.5	20.6
„ <i>racemosa</i>	26.4	22.5	—	—
<i>Sorbus Aucuparia</i>	15.4	2.6	—	5.6
<i>Staphylea pinnata</i>	7.5	—	26.4	—
<i>Syringa vulgaris</i>	29.4	2.6	26.4	4.6
<i>Tilia grandifolia</i>	21.6	—	19.7	12.7
„ <i>parvifolia</i>	1.7	15.7	30.6	22.7
<i>Ulmus campestris</i>	2.4	10.4	31.3	22.4
<i>Vaccinium Myrtillus</i>	25.4	—	—	20.5
<i>Viburnum Lantana</i>	7.5	—	29.5	—
„ <i>Opulus</i>	5.6	7.6	—	19.6
<i>Vinca minor</i>	11.4	—	22.4	—

Ausserdem wurden notirt in

Znaim:

Amygdalus communis 7.4, *Evonymus verrucosus* 15.5, *Quercus pedunculata* 6.5, *Ulmus effusa* 5.4, *Viscum album* 6.4, *Vitis vinifera* 19.6.

Freistadt:

Buxus sempervirens 20.4, *Pinus Larix* 20.4, *Populus nigra* 20.4, *Rhamnus cathartica* 5.6, *Rubus fruticosus* 20.6, *Salix purpurea* 14.5, *Spiraea salicifolia* 12.7, *Vaccinium Oxycoccus* 4.7.

Brünn:

Acer dasycarpus 31.3, *A. Negundo* 15.4, *Ailanthus glandulosa* 27.6, *Ampelopsis quinquefolia* 8.8, *Catalpa syringifolia* 27, 12.7 V., *Cytisus nigricans* 14.7, *Daphne Cneorum* 25.4, *Gleditschia triacanthos* 19.7, *Lonicera tatarica* 12.5, *Populus balsamifera* 6.4, *Prunus Mahaleb* 24.4, *Ptelea trifoliata* 13.7, *Ribes alpinum* 22.4.

Bärn:

Fagus silvatica 3.6, *Lonicera nigra* 2.6, *Rosa arvensis* 12.6, *R. centifolia* 6.7, *Rubus idaeus* 21.6, *R. caesius* 25.6, *Vaccinium Vitis idaea* 6.6.

c. Fruchtreife.

Bärn.

Corylus Avellana 18.8, *Crataegus Oxyacantha* 5.9, *Daphne Mezereum* 14.7, *Fagus silvatica* 17.9, *Prunus avium* 24.7, *P. domestica* 17.9, *Pyrus communis* 1.9, *P. Malus* 1.9, *Ribes Grossularia* 19.7, *R. rubrum* 22.7, *Rubus caesius* 18.8, *R. idaeus* 27.8, *Vaccinium Myrtillus* 10.7, *Ulmus campestris* 24.6,

Freistadt:

Populus tremula 25.5, *Rubus idaeus* 14.7.

2. Krautartige Gewächse.

a) Blüthe.

Beobachtete Pflanze	Znaim	Freistadt	Brünn	Bärn
<i>Achillea Millefolium</i>	6.6	—	14.6	3.7
<i>Agrimonia Eupatorium</i>	—	15.7	—	23.7
<i>Agrostemma Githago</i>	8.6	23.6	—	1.7
<i>Ajuga genevensis</i>	4.5	—	—	20.5
„ <i>reptans</i>	27.4	20.5	24.4	1.6
<i>Alchemilla vulgaris</i>	—	21.5	—	6.5
<i>Alopecurus pratensis</i>	9.5	22.5	—	—
<i>Althaea officinalis</i>	—	17.7	—	14.8
<i>Anemone Hepatica</i>	19.3	4.4	—	31.3

a) Blüthe.

Beobachtete Pflanze	Znaim	Freistadt	Brünn	Bärn
Anemone nemorosa	4.4	4.4	8.4	5.4
" ranunculoides	5.4	—	8.4	—
Anthemis tinctoria	6.6	7.7	20.6	10.7
Anthoxanthum odoratum	29.4	21.5	—	—
Aquilegia vulgaris	25.5	7.6	26.5	8.6
Asarum europaeum	12.4	—	—	24.4
Astragalus glycyphyllos	—	12.7	—	2.6
Barbarea vulgaris	27.4	16.5	12.5	—
Caltha palustris	14.4	2.4	17.4	14.4
Campanula persicifolia	—	28.6	14.6	—
Cardamine pratensis	26.4	21.4	—	—
Carex praecox	—	12.4	—	4.5
Carum Carvi	29.4	21.5	—	6.6
Centaurea Cyanus	27.5	8.6	4.6	17.6
" Scabiosa	—	—	8.7	17.7
Cerastium arvense	18.4	16.5	—	—
Chelidonium majus	28.4	—	25.4	29.5
Chrysanthemum Leucanthemum	20.5	1.6	29.5	18.6
Chrysosplenium alternifolium	13.4	—	12.4	10.4
Convallaria majalis	9.5	—	—	4.6
Convolvulus arvensis	—	28.6	—	16.7
Corydalis cava	29.3	22.4	—	—
" digitata	25.3	—	8.4	19.4
Cychorium Intybus	5.7	—	—	1.8
Digitalis grandiflora	22.6	18.7	14.6	—
Draba verna	20.3	4.4	—	15.4
Echium vulgare	6.6	23.6	14.6	19.6
Euphrasia officinalis	—	5.7	—	29.7
Fragaria elatior	13.4	—	—	3.6
" vesca	25.4	21.5	20.4	28.4
*Fritillaria Imperialis	23.4	—	—	7.5
Fumaria officinalis	—	—	26.5	5.5
Gagea arvensis	2.4	—	—	16.4
Galanthus nivalis	2.3	23.3	—	—
Galeobdolon luteum	3.5	—	—	30.5
Galium verum	7.6	12.7	30.6	8.7
Geranium Robertianum	6.5	—	26.5	—
Geum urbanum	26.5	—	—	19.6
Glechoma hederacea	14.4	21.4	—	5.5
Gnaphalium dioicum	2.5	—	27.4	23.5
Hesperis matronalis	27.5	—	26.5	12.6
Hieracium Pilosella	14.5	—	—	8.6
Holosteum umbellatum	4.4	—	8.4	—
Hypericum perforatum	12.6	5.7	19.6	—
Jasione montana	10.6	27.6	14.6	—
Knautia arvensis	—	6.6	26.5	—
Lamium album	26.4	—	27.4	28.4
" maculatum	6.4	—	23.4	—
Lathraea squamaria	14.4	—	12.4	—
*Lilium bulbiferum	8.6	—	—	26.6
* " candidum	—	18.7	—	22.7
Lilium Martagon	25.6	—	—	2.7
Linaria vulgaris	6.6	2.7	—	5.7

a) Blüthe.

Beobachtete Pflanze	Znaim	Freistadt	Brünn	Bärn
Lithospermum arvense . . .	—	12.4	—	19.5
Lychnis Flos cneuli . . .	17.5	—	—	6.6
" Viscaria . . .	2.5	—	27.5	6.6
Lysimachia Nummularia . . .	—	7.7	—	4.7
Melampyrum arvense . . .	—	—	19.6	15.7
Menyanthes trifoliata . . .	—	10.6	—	20.6
Myosotis palustris . . .	—	21.5	27.4	—
Orchis maculata . . .	—	30.5	—	31.5
" Morio . . .	30.4	21.5	14.5	—
Orobus vernus . . .	12.4	16.5	17.4	—
Oxalis Acetosella . . .	18.4	25.4	12.4	26.4
*Paeonia officinalis . . .	26.5	7.6	26.5	9.6
Papaver somniferum . . .	—	10.7	—	23.7
Pisum sativum . . .	8.6	—	—	10.7
Plantago lanceolata . . .	8.5	—	—	28.5
" media . . .	—	21.5	26.5	7.6
Platanthera bifolia . . .	6.6	21.6	14.6	—
Polygala vulgaris . . .	17.5	—	13.5	1.6
Polygonum Bistorta . . .	20.6	1.6	—	—
" Convolvulus . . .	1.7	—	—	19.7
Potentilla anserina . . .	22.5	—	—	6.6
" argentea . . .	—	6.6	—	21.6
" verna . . .	28.3	12.4	8.4	—
Primula elatior . . .	14.4	2.4	8.4	—
" officinalis . . .	6.4	—	—	13.4
Pulmonaria officinalis . . .	28.3	4.4	8.4	6.4
Ranunculus acris . . .	27.4	—	—	29.5
" bulbosus . . .	—	21.5	27.5	—
" Ficaria . . .	5.4	—	8.4	12.4
Salvia pratensis . . .	9.5	—	13.5	—
Saxifraga granulata . . .	29.4	—	12.5	31.5
Scrophularia nodosa . . .	27.6	—	—	21.6
Secale cereale . . .	26.5	11.6	—	15.6
Sedum acre . . .	4.6	—	3.6	25.6
Senecio Jacobaea . . .	1.7	7.7	—	18.7
Solanum Dulcamara . . .	6.6	—	—	27.6
" tuberosum . . .	26.5	7.7	30.6	15.7
Spiraea Ulmaria . . .	—	11.7	—	7.7
Stellaria Holostea . . .	19.4	—	—	19.5
Symphytum officinale . . .	6.5	—	—	4.6
Taraxacum officinale . . .	5.4	—	—	4.5
Tragopogon orientale . . .	13.5	—	29.5	13.6
Trifolium pratense . . .	29.4	—	26.5	9.6
Triticum vulgare . . .	11.6	23.6	—	—
Tussilago Farfara . . .	2.3	—	—	3.4
Urtica urens . . .	6.6	—	—	24.6
Valeriana dioica . . .	—	20.5	14.5	—
Veronica hederaefolia . . .	25.3	—	8.4	—
" triphyllus . . .	2.4	12.4	8.4	—
Vicia sativa . . .	10.6	—	—	5.7
Viola arvensis . . .	5.4	12.4	—	28.4
" odorata . . .	24.3	12.4	8.4	14.4
" palustris . . .	—	25.4	—	6.5

Ausserdem wurden notirt in

Znaim:

Adonis aestivalis 25.5, *Adoxa moschatellina* 11.4, *Anchusa officinalis* 3.5, *Anemone Pulsatilla* 8.3, *Arabis arenosa* 5.4, *Campanula rotundifolia* 29.5, *Cerastium triviale* 28.4, *Convallaria Polygonatum* 27.4, *Delphinium Consolida* 17.5, *Dianthus Carthusianorum* 10.5, *Euphorbia Cyparissias* 10.4, *Farsetia incana* 9.5, *Gagea lutea* 28.3, *Geranium Robertianum* 6.5, *Hyoscyamus niger* 22.5, *Isopyrum thalictroides* 6.4, *Lamium purpureum* 24.3, *Myosotis sylvatica* 27.4, *Myosurus minimus* 26.4, *Ornithogalum umbellatum* 10.5, *Papaver Rhoeas* 8.5, *Rumex Acetosa* 29.4, *Sisymbrium Alliaria* 29.4, *Turritis glabra* 27.5, *Veronica Cha-maedrys* 26.4.

Freistadt:

Acorus Calamus 13.6, *Campanula patula* 5.6, *C. rapunculoides* 15.7, *Cardamine amara* 3.5, *C. hirsuta* 4.4, *Carex Davalliana* 21.4, *Cineraria crispa* 9.5, *Cochlearia Armoracia* 8.6, *C. officinalis* 20.6, *Coronilla varia* 23.6, *Crocus vernus* 4.4., *Cynosurus cristatus* 2.7, *Dianthus deltoides* 27.6, *Fedia olitoria* 21.5, *Geranium pusillum* 1.6, *Heracleum Sphondylium* 12.7, *Iris Pseud' Acorus* 13.6, *I. sibirica* 13.6, *Leucojum vernum* 4.4, *Linum catharticum* 15.7, *Lotus corniculatus* 5.6, *Luzula campestris* 9.4, *Lychnis diurna* 14.5, *Lysimachia vulgaris* 18.7, *Lythrum Salicaria* 18.7, *Mercurialis perennis* 12.4, *Parnassia palustris* 5.8, *Petasites albus* 11.4, *Phyteuma nigrum* 5.6, *Polemonium caeruleum* 5.6, *Potentilla reptans* 18.7, *Ranunculus Flammula* 21.5, *R. sceleratus* 3.6, *Sambucus Ebulus* 8.8, *Silene inflata* 27.6, *nutans* 7.6, *Soldanella montana* 5.4, *Spiraea Aruncus* 27.6, *Succisa pratensis* 5.8, *Thalictrum aquilegifolium* 1.6, *Veronica agrestis* 12.4, *V. officinalis* 25.6, *Vicia sepium* 5.6.

Brünn:

Alisma Plantago 27.6, *Allium ursinum* 13.5, *Androsace elongata* 12.4, *Anthemis arvensis* 26.5, *Antirrhinum majus* 3.6, *Asperugo procumbens* 27.4, *Ballota nigra* 8.7, *Bromus mollis* 14.6, *Butomus umbellatus* 27.6, *Camelina sativa* 25.4, *Campanula pyramidalis* *19.6, *Caucalis daucoides* 14.6, *Centaurea axillaris* 26.5, *C. paniculata* 30.6, *Ceratocephalus orthoceras* 1.4, *Cerinthe minor* 26.5, *Cynanchum Vincetoxicum* 14.6, *Digitalis purpurea* *19.6, *Epilobium roseum* 14.6, *Eriophorum latifolium* 14.6, *Euphorbia epithymoides* 2.5, *E. helioscopia* 8.4, *Erysimum orientale* 13.5, *Hieracium murorum* 14.6, *H. praealtum* 14.6, *Linaria genistifolia* 14.6, *Lithospermum officinale* 27.4, *Lychnis dioica* 26.5, *Medicago lupulina* 26.5, *Melilotus officinalis* 14.6, *Nonnea pulla* 24.4, *Oenothera biennis* 27.6, *Onobrychis sativa* 26.5, *Orchis fusca* 14.5, *Paris quadrifolia* 13.5, *Polygonum Fagopyrum* 30.6, *Potentilla opaca* 8.4, *Ranunculus auricomus* 20.4, *R. lanuginosus* 12.5, *R. reptans* 26.5, *Reseda lutea* 29.5, *Rhinanthus minor* 29.5, *Saponaria officinalis* 8.7, *Saxifraga tridactylidis* 12.5, *Salvia silvestris* 14.5, *Stachys recta* 14.6, *Tragopogon major* 26.5, *Trifolium alpestre* 14.6, *T. montanum* 14.6, *Triticum repens* 14.6, *Tulipa silvestris* 27.4, *Trollius europaeus* 14.5, *Valeriana officinalis* 21.5, *Verbascum phlomoides* 4.7, *Veronica Beccabunga* 14.6, *Viola arenaria* 17.4.

Bärn.

Aconitum Lycoctonum 28.6, *A. Napellus* *20.7, *Agrostemma coronaria* *18.7, *Anthemis Cotula* 8.6, *Asclepias syriaca* *20.7, *Asperula odorata* 6.6, *Avena sativa* 24.7, *Briza media* 1.7, *Bromus arvensis* 17.7, *B. secalinus* 21.7, *Calendula officinalis* *24.7, *Campanula Trachelium* 18.7, *Carex praecox* 4.5, *Centaurea Jacea* 11.7, *Cirsium rivulare* 13.6, *Cuscuta europaea* 19.7, *Dactylis glomerata* 3.7, *Epilobium angustifolium* 11.7, *Galeopsis Ladanum* 20.7, *Galium Mollugo* 1.7, *Geum rivale* 31.5, *Hordeum vulgare* 16.7, *Lepidium campestre* 5.5, *Lychnis chalcedonica* *12.7, *Majanthemum bifolium* 17.6, *Myosotis arvensis* 30.5, *Narcissus poeticus* *26.5, *N. Pseudo-Narcissus* *13.4, *Onopordon Acanthium* 14.7, *Pedicularis palustris* 25.5, *Petasites officinalis* 12.4, *Plantago major* 30.6, *Poa pratensis* 22.6, *Potentilla Tormentilla* 28.5, *Prenanthes purpurea* 21.7, *Primula Auricula* *15.4, *Thlaspi perfoliatum* 19.4, *Trifolium repens* 11.6, *Tulipa Gesneriana* 3.6, *Veratrum album* 21.7, *Verbascum nigrum* 13.7, *Veronica arvensis* 11.4, *Viola silvestris* 27.5, *Thymus Serpyllum* 2.7.

b) Fruchtreife.

Freistadt:

Secale cereale 17.7.

Bärn:

Avena sativa 18.8, *Fragaria vesca* 21.6, *Hordeum vulgare* 14.8, *Pisum sativum* 8.8, *Secale cereale aestiv.* 14.8, *hyb.* 1.8, *Vicia sativa* 8.8.

Die im Vorstehenden mit einem * bezeichneten Arten sind im Garten kultivirt. Das Zeichen V nach dem Datum deutet die Zeit der vollen allgemeinen Blüthenentfaltung an.

Zusammenstellung

der ersten Blüthen mehrerer Pflanzen in Bärn von 1861—1874.

Durch die nachstehende Tabelle, welche der Beobachter Herr Johann Gans dem naturforschenden Vereine freundlichst mitgetheilt hat, werden die im XII. Bande II. Heft, Abhandl. Seite 161 unserer Verhandlungen mitgetheilten Daten mehr detaillirt und erweitert.

Die Lage von Bärn ist: Breite $49^{\circ} 48'$, Länge $35^{\circ} 8'$ östl. von Ferro, Seehöhe 402 Meter.

In der Rubrik der Mittel bezeichnet die hinter den Einheiten stehende Ziffer die erste Dezimale und jene hinter — den Monat.

Name der beobachteten Pflanze	Erste beobachtete Blüthen in den Jahren:														Mittleres Datum	Zahl der Beobachtungen
	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874		
Acer campestre . . .	—	14.5	—	—	20.5	—	14.5	15.5	—	—	—	—	—	12.5	15—5	5
„ platanoides . . .	—	3.5	4.5	14.5	5.5	26.4	7.5	4.5	23.4	13.5	20.5	29.4	8.5	7.5	5·4—5	13
Aesculus Hippocastanum .	—	16.5	20.5	5.6	21.5	—	27.5	20.5	26.5	22.5	10.6	9.5	8.6	4.6	26—5	12
Ajuga genevensis . . .	—	7.5	—	—	9.5	7.5	12.5	10.5	10.5	15.5	22.5	3.5	—	20.5	11·5—5	10
“ reptans . . .	—	22.5	—	—	24.5	—	22.5	27.5	—	—	—	—	—	1.6	25·4—5	5
Alnus glutinosa . . .	12.4	27.4	—	—	20.4	7.4	18.4	15.4	6.4	18.4	22.4	31.3	25.3	5.4	11·8—4	12
Anemone nemorosa . . .	3.4	25.3	6.4	—	19.4	10.4	22.4	19.4	11.4	23.4	27.3	4.4	29.3	5.4	8·2—4	13
Avena sativa . . .	—	20.7	13.7	27.7	18.7	18.7	29.7	7.7	17.7	22.7	24.7	14.7	31.7	24.7	20·3—7	13
Berberis vulgaris . . .	—	—	—	—	—	—	—	—	—	14.6	18.5	3.6	4.6	—	2—6	4
Betula alba . . .	—	—	—	14.5	5.5	2.5	7.5	3.5	22.4	10.5	25.5	27.4	6.5	27.4	5—5	11

Name der beobachteten Pflanzen	Erste beobachtete Blüthen in den Jahren:													Mittleres Datum	Zahl der Beobachtungen		
	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874			
Calluna vulgaris . . .	12.8	26.7	25.7	11.8	23.7	30.7	4.8	20.7	25.7	27.7	15.8	22.7	13.8	8.8	1—8	14	
Carum Carvi . . .	3.6	21.5	27.5	8.6	28.5	2.6	1.6	22.5	22.5	1.6	9.6	15.5	2.6	6.6	29·8—5	14	
Chrysanthem. Leucanthem.	15.6	1.6	11.6	10.6	29.5	—	—	9.6	7.6	15.6	25.6	30.5	24.6	18.6	10·8—6	12	
Colchicum autumnale . .	—	21.8	12.8	1.9	16.8	1.9	22.8	15.8	18.8	13.8	27.8	16.8	24.8	28.8	21·2—8	13	
Convallaria majalis . .	5.6	18.5	16.5	4.6	21.5	31.5	31.5	22.5	17.5	25.5	2.6	9.5	5.6	4.6	26·1—5	14	
Corylus Avellana . . .	27.3	19.3	22.3	—	14.4	25.3	3.4	5.4	29.3	8.4	22.3	18.3	14.3	28.3	27·5—3	13	
Crataegus Oxyacantha . .	—	—	25.5	8.6	—	3.6	—	28.5	28.5	4.6	17.6	23.5	—	9.6	2·3—6	9	
Cytisus Laburnum . . .	—	—	—	—	—	—	—	—	—	—	—	1.6	5.7	20.6	18·7—6	3	
Daphne Mezereum . . .	21.3	19.3	25.3	17.4	15.4	5.4	14.4	8.4	8.4	19.4	1.5	5.4	20.3	4.4	6·4—4	14	
Fagus silvatica . . .	—	14.5	19.5	27.5	16.5	9.5	21.5	12.5	8.5	19.5	29.5	8.5	24.5	3.6	18·5—5	13	
Fraxinus excelsior . . .	—	—	11.5	—	—	4.5	12.5	5.5	—	—	—	—	—	12.5	8·8—5	5	
Hepatica triloba . . .	27.3	25.3	25.3	—	—	4.4	18.4	9.4	2.4	9.4	18.3	—	17.3	30.3	30·8—3	11	
Hordeum vulgare aestivum	9.7	15.7	11.7	23.7	10.7	12.7	18.7	—	14.7	20.7	20.7	1.7	17.7	16.7	14·3—7	13	
Hypericum perforatum . .	—	16.6	30.6	17.7	3.7	29.6	7.7	17.6	26.6	—	18.7	21.6	14.7	14.7	2·7—7	12	
Lilium candidum . . .	20.7	—	16.7	1.8	16.7	19.7	28.7	10.7	20.7	23.7	3.8	6.7	25.7	22.7	20·8—7	13	
Lonicera nigra . . .	—	1.5	—	—	20.5	12.5	22.5	18.5	16.5	24.5	8.6	6.5	—	2.6	19·1—5	10	
Xylosteum . . .	3.6	5.5	21.5	—	30.5	—	31.5	—	28.5	—	—	—	—	4.6	26·3—5	7	
Philadelphus coronaria . .	—	31.5	—	25.6	8.6	17.6	20.6	6.6	5.6	20.6	6.7	7.6	29.6	22.6	16·2—6	12	
Pisum sativum . . .	—	30.6	6.7	19.7	12.7	2.7	8.7	—	7.7	10.7	16.7	26.6	16.7	10.7	8·3—7	12	
Populus tremula . . .	—	27.3	—	19.4	20.4	8.4	20.4	18.4	9.4	16.4	16.4	30.3	24.3	11.4	10·2—4	12	
Primula offic. . . .	1.4	4.4	9.4	22.4	22.4	8.4	23.4	20.4	12.4	22.4	17.4	—	26.3	13.4	13—4	13	
Prunus avium	14.5	28.4	7.5	18.5	10.5	29.4	10.5	9.5	5.5	15.5	25.5	29.4	8.5	12.5	9·2—5	14	
" Cerasus	26.5	28.4	12.5	20.5	14.5	4.5	12.5	12.5	7.5	16.5	28.5	5.5	11.5	20.5	13·2—5	14	
" domestica	26.5	28.4	—	26.5	19.5	4.5	13.5	16.5	7.5	18.5	29.5	4.5	15.5	1.6	15·9—5	13	
" Padus	24.5	2.5	15.5	30.5	15.5	10.5	14.5	12.5	11.5	19.5	29.5	5.5	15.5	27.5	16·3—5	14	
" spinosa	—	27.4	11.5	20.5	12.5	5.5	—	15.5	7.5	18.5	28.5	4.5	—	23.5	12·7—5	11	
Pyrus communis	—	—	—	12.5	26.5	15.5	9.5	14.5	11.5	7.5	19.5	—	6.5	23.5	30.5	15·6—5	11

Name der beobachteten Pflanze	Erste beobachtete Blüthen in den Jahren:													Mittleres Datum	Zahl der Beobachtungen	
	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874		
Pyrus Malus	29.5	7.5	15.5	31.5	15.5	13.5	14.5	14.5	11.5	—	—	6.5	16.5	25.5	16·3—5	12
Ranunculus Ficaria . . .	31.3	—	4.4	23.4	24.4	7.4	23.4	18.4	16.4	25.4	—	7.4	31.3	12.4	13·1—4	12
Ribes Grossularia . . .	—	10.4	29.3	10.5	3.5	13.4	1.5	1.5	18.4	10.5	10.5	16.4	14.4	23.4	24·3—4	13
" rubrum	—	—	9.4	11.5	5.5	19.4	2.5	3.5	18.4	11.5	12.5	21.4	19.4	26.4	28·0—4	12
Robinia Pseud-Acacia . . .	—	8.6	10.6	8.7	13.6	—	10.7	12.6	24.6	17.6	2.7	6.6	7.7	26.6	25·3—6	12
Rosa canina	22.6	9.6	10.6	24.6	7.6	15.6	24.6	3.6	10.6	15.6	5.7	8.6	4.7	23.6	17·1—6	14
" centifolia	30.6	—	16.6	30.6	26.6	25.6	5.7	20.6	2.7	9.7	13.7	22.6	—	6.7	27·8—6	12
Rubus Idaeus	—	3.6	8.6	26.6	30.5	8.6	9.6	1.6	2.6	13.6	30.6	31.5	27.6	21.6	11·2—6	13
Salix caprea	—	27.3	11.4	21.4	21.4	—	—	—	17.4	—	5.4	1.4	16.4	10·9—4	8	
Sambucus nigra	22.6	29.5	7.6	1.7	11.6	13.6	18.6	5.6	7.6	19.6	3.7	2.6	25.6	20.6	15·0—6	14
Secale cereale aestivum . . .	—	—	21.6	9.7	1.7	26.6	5.7	14.6	27.6	29.6	7.7	16.6	8.7	6.7	29·1—6	12
" hibernum	18.6	—	3.6	15.6	2.6	7.6	10.6	2.6	30.5	11.6	24.6	24.5	18.6	15.6	9·0—6	13
Solanum tuberosum . . .	9.7	22.6	8.7	20.7	7.7	4.7	8.7	28.6	7.7	12.7	18.7	24.6	15.7	15.7	7·4—7	14
Sorbus Aucuparia	8.6	16.5	22.5	7.6	24.5	2.6	29.5	21.5	19.5	2.6	16.6	14.5	8.6	5.6	29·3—5	14
Symphytum offic. . . .	—	1.6	26.5	19.6	—	9.6	31.5	24.5	23.5	27.5	11.6	15.5	6.6	4.6	31·8—5	12
Syringa vulgaris	31.5	11.5	21.5	6.6	22.5	30.5	27.5	20.5	18.5	23.5	10.6	11.5	6.6	4.6	26·0—5	14
Taraxacum offic. . . .	—	17.5	27.4	10.5	8.5	1.5	9.5	4.5	26.4	12.5	10.5	25.4	11.4	4.5	3·1—5	13
Tilia grandifolia	—	26.6	8.7	—	26.6	1.7	9.7	25.6	17.7	11.7	21.7	24.6	—	12.7	5·1—7	11
" parvifolia	—	—	—	—	16.7	22.7	28.7	5.7	22.7	—	5.8	14.7	27.7	22.7	21·3—7	9
Trifolium pratense	13.6	22.5	12.6	29.5	5.6	5.6	1.6	22.5	26.5	—	9.6	13.5	11.6	4.6	1·0—6	13
" repens	—	—	9.6	23.5	5.6	4.6	1.6	23.5	28.5	28.5	—	8.5	—	11.6	29·5—5	10
Triticum vulgare aestivum . . .	—	20.7	—	25.7	12.7	3.7	—	12.7	16.7	28.7	3.8	10.7	27.7	—	18·7—7	10
Ulmus campestris	—	28.3	5.4	—	26.4	25.4	25.4	22.4	16.4	27.4	22.4	12.4	12.4	22.4	17·5—4	12
Vaccinium Myrtillus	27.5	26.4	10.5	28.5	10.5	5.5	11.5	8.5	29.4	17.5	20.5	30.4	11.5	20.5	11·4—5	14
" Vitis idaea	5.6	18.5	21.5	3.6	22.5	27.5	22.5	19.5	20.5	26.5	8.6	13.5	30.5	6.6	26·0—5	14
Viburnum Opulus	—	27.5	—	—	2.6	—	—	1.6	10.6	24.6	26.5	23.6	19.6	8·5—6	8	
Viola odorata	6.4	30.3	17.4	26.4	22.4	12.4	25.4	20.4	15.4	23.4	9.4	19.4	30.3	14.4	14·6—4	14

II. Thierreich.

	Erste Erscheinung		Erste Erscheinung
Bärn.		Freistadt.	
A v e s.		A v e s.	
<i>Alauda arvensis</i>	27.2	<i>Alauda arvensis</i>	1.3
<i>Crex pratensis</i>	11.6	<i>Coturnix dactylisonans</i>	22.5
<i>Cuculus canorus</i>	7.5	<i>Crex pratensis</i>	6.6
<i>Fringilla coelebs</i>	30.3	<i>Cuculus canorus</i>	25.4
<i>Hirundo rustica</i>	23.4	<i>Cypselus apus</i>	20.5
<i>Motacilla alba</i>	3.4	<i>Fringilla serinus</i>	11.4
<i>cinerea</i>	26.5	<i>Hirundo rustica</i>	12.4
<i>Perdix coturnix</i>	31.5	<i>Jynx torquilla</i>	24.4
<i>Ruticilla Phoenicurus</i>	4.4	<i>Lanius minor</i>	14.5
<i>Turdus musicus</i>	19.4	<i>Luscicola Phoenicurus</i>	2.4
		<i>ruebecula</i>	11.4
Reptilia.		<i>Motacilla alba</i>	1.3
<i>Anguis fragilis</i>	20.5	<i>Sturnus vulgaris</i>	1.3
<i>Lacerta agilis</i>	6.4	<i>Sylvia hortensis</i>	7.5
Insecta.		Insecta.	
<i>Anisoplia fruticola</i>	17.6	<i>Acridium stridulum</i>	15.7
<i>Aphodius fimetarius</i>	24.4	<i>Acronycta cuspis</i>	15.7
<i>Aponia Crataegi</i>	19.6	<i>Anthocharis Cardam.</i>	26.4
<i>Arge Galathea</i>	12.7	<i>Apis mellifica</i>	28.3
<i>Argynnис Aglaja</i>	11.7	<i>Aphodius fimetarius</i>	30.5
<i>Bombus terrestris</i>	22.4	<i>Arge Galathea</i>	11.7
<i>Carabus cancellatus</i>	22.4	<i>Argynnис Adippe</i>	4.7
<i>Cicindela campestris</i>	24.4	<i>Asilus crabroniform.</i>	8.8
<i>Coccinella 7 punctata</i>	27.4	<i>Callimorpha Dominula</i>	11.7
<i>Coenonympha Pamphylus</i>	1.7	<i>Calopteryx splendida</i>	6.6
<i>Libellula Virgo</i>	4.7	<i>Cetonia aurata</i>	7.6
<i>Melolontha vulgaris</i>	27.5	<i>Chalcoiphora Mariana</i>	17.6
<i>Necrophorus Vespilo</i>	28.4	<i>Chelonia Caja</i>	15.7
<i>Papilio Machaon</i>	8.8	<i>Chironomus plum</i>	4.4
<i>Pieris Brassicae</i>	25.5	<i>Cicindela campestris</i>	5.4
<i>Plusia Gamma</i>	27.6	<i>Colias Edusa</i>	4.8
<i>Pterostichus vulgaris</i>	14.4	<i>Rhamni (♂)</i>	3.4
<i>Scatophaga stercoraria</i>	12.4	<i>Corymbites pectinicorn.</i>	30.5
<i>Vanessa Antiopa</i>	29.7	<i>Cossus ligniperda</i>	20.6
<i>Jo</i>	23.7	<i>Donacia holosericea</i>	1.6
<i>polychloros</i>	16.4	<i>Epinephele Janira</i>	6.6
<i>Urticae</i>	11.4	<i>Erebia Ligia</i>	11.7
<i>Vespa vulgaris</i>	19.5	<i>Erinnys Tages</i>	30.5
<i>Zygaena Filipendula</i>	8.7	<i>Euclidia Mi</i>	7.6
		<i>Fidonia atomaria</i>	7.6
A r a c h n i d a.		<i>Geotrupes stercorarius</i>	3.4
<i>Phalangium Opilio</i>	28.7	<i>Harpactor annulatus</i>	18.7
<i>Tetragnatha extensa</i>	28.3	<i>Harpyia Vinula</i>	27.4
		<i>Idaea (Scoria) dealbata</i>	19.6

	Erste Erscheinung		Erste Erscheinung
Lamia textor . . .	18.6	Sesia apiformis (in copula)	12.7
Limenitis Populi . . .	27.6*)	Smerinthus Populi . . .	23.6
Lygaeus apterus (in copula)	20.4	" Tiliae (in copula)	7.6
Macroglossa stellatarum .	27.6	Solenoptera meticulosa . . .	23.6
Molorchus minor . . .	22.4	Steropes Paniscus . . .	7.6
Odezia chaerophyllata . .	27.6	Telephorus fuscus . . .	12.4
Papilio Machaon . . .	26.4	Thecla Rubi . . .	25.4
Phasiane clathrata . . .	22.5	Timandra amataria . . .	11.7
Pieris rapae . . .	14.5	Toxotus 4 maculatus . . .	1.6
Platycerus caraboides . .	30.5	Vanessa Antiopa . . .	3.4
Polyommatus Chryseis . .	27.6	" Calbum . . .	4.4
Perthesia auriflua . . .	17.7	" Jo . . .	3.4
Psyche graminella (J) . .	28.6	" Polychloros . . .	28.3
Rhizotrogus solstit.	4.7	" Prorsa . . .	4.8
Saperda populnea . . .	17.6	" Urticae . . .	28.3
" scalaris . . .	18.6	Zerene marginata . . .	13.7
Satyrus Maera . . .	6.6	Zygaena Achilleae . . .	15.7
" Proserpina . . .	18.7	" Minos . . .	3.7

Alauda arvensis war noch am 9.10 hier; Cypselus apus war schon vor Ende Juli weg; von Hirundo rustica sah ich hier die letzte am 23.9 (Einige wollen noch im Dezember welche gesehen haben); von Sturnus vulgaris flügge Junge 25.5; Ende Juli schien keiner mehr hier zu sein, gegen die Mitte Septembers zeigten sich wieder einige, doch nur ganz kurze Zeit.

Von Antocharis Cardamines sah ich am 27.6 wieder Exemplare, sowie von Vanessa Calbum wieder (1 Stück) am 15.7, von

"	Jo	"	"	"	15.7,
"	Polychloros	"	"	"	15.7,
"	urticae	"	"	"	28.6,
Papilio	Machaon	"	"	"	4.8.

Znaim.	Erste Erscheinung		Erste Erscheinung
Aves.			
Alauda cristata . . .	5.4	Carabus intricatus . . .	12.4
Caprimulgus europaeus . .	15.5	Cetonia hirtella . . .	10.4
Cuculus canorus . . .	19.4	Colias Rhamui . . .	29.3
Fringilla coelebs . . .	25.4	Dorcadion rufipes . . .	7.4
" spinus . . .	1.4	Hipparchia Galathea . . .	16.4
Hirundo urbica . . .	18.4	Hister 4 maculata . . .	14.4
Oriolus galbula . . .	25.5	Lucanus cervus . . .	7.4
Upupa epops . . .	16.5	Lytta vesicatoria . . .	4.6
Reptilia.		Meloë proscarabaeus . . .	11.4
Lacerta agilis . . .	11.4	Melolontha vulgaris . . .	8.4
Salamandra maculata . .	14.4	Necrophorus Vespilo . . .	16.4
Insecta.		Oryctes nasicornis . . .	12.4
Argynnis Latonia . . .	16.4	Rhizotrogus solstitialis . .	7.4
Bombus terrestris . . .	22.4	Staphylinus caesareus . .	16.4
		Vanessa polychloros . . .	29.3

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