# A <br> <br> SKETCH OF A TOUR 

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THROUGH

A PARTOFHUNGARY.

C H A P. I.

VIENNA-ITS LEARNED INSTITUTIONS-PUBLIC LIBRARIES -CABINET OF MEDALS-IMPERIAI, AND OTHER VALUABLE COLLECTIONS OF MINERALS AND NATURAL CURIOSITIES -THE MARKETS-PUBLIC AMUSEMENTS-IMPERIAL BOTANIC GARDEN, AND MENAGERIE.

WINTER had fet in when I reached Vienna; and as I was there affured the difficulties the traveller had to encounter in Hungary, the next country I meant to vifit, were, for the want of civilization, very great ; I thought it prudent to wait here, till the return of fine weather fhould render the wants of the traveller fewer.

Though Vienna is not famed in the other parts of the Empire for its learned inftitutions, or for being the feat of men of letters; yet a city like this, the capital of a government like that of the Auftrian monarchy, cannot be without thefe inftitutions, its learned men and amateurs.

I muft pafs over its univerfity, and college of furgery and medicine; its academies for the nobility, the clergy, and for the fine arts; the: fchool for the deaf and dumb, and even the Normal School, being too little acquainted with fome of them, and finding nothing remarkable in the others. Only of the firft I would obferve, that it is on the old plan, where the fudents are not left to follow. the courfe of fudy they or their friends may think proper, but one fixed by the univerfity. Within thefe few years, moft of the lectures are delivered in the German language, but thofe on pathology, therapeia, and materia medica are ftill in Latin; and in this language the ftudents are examined at the end of the week, on the fubjects which have been lectured on during that time. But the Normal School is of too ufeful a nature not to fay for what end it was eftablifhed; it is defigned to form teachers or inftructors. for the provincial towns and villages; that is, teachers for the fchools and gymnafia.

Here is no academy of fciences, and I believe there never was one. This is remarkable in fo large a city as Vienna. A great deal has: been
been faid upon the advantages and difadvantages of learned focieties. If it were left to be dec?ued by the travelling literati, it would, notwithftanding the difadvantages arifing from literary cabals and intrigues, which often happen in them, particularly where a feat leads to honours and emoluments, be decided in their favour. This deficiency of a place of rendezvous for men of letters was lately fupplied by the public-firited and hofpitable Baron Born, who, befides being at all times, when not occupied in the bufinefs of his office, of eafy accefs, particularly to ftrangers, had his public days. Since his death Profeffor Jacquin has a tea party on the Wednefdays; but it is ill attended.

In collections Vienna is very rich. The Imperial library, befides containing 5 or 6000 volumes printed in the 15 th century, rare manufcripts, and a very extenfive and valuable collection of prints, is well furnifhed with uffeful modern books. It is open three or four hours every morning to the public, and the librarian and inferior affiftants are very attentive and obliging.

The library of the univerfity is open for two or three hours morning and afternoon; during which time the librarians always labour under a Carus*, a difeafe common to univerfity librarians.

[^0]Sagar. Syft. Morborum.

The richnefs of the Imperial Cabinet of Medals is well known.

Its collections in natural hiftory are ftill more valuable. The private collections of feveral amateurs would in other countries be thought fine public mufeums. In Profeffor Jacquin's collection of minerals are found the moft fplendid fpecimens of the rareft foffle. Mr. Fichtel, known to the mineralogical world by his account of the Petrifactions and Salt-mines of Tranfylvania, and his Mineralogical Remarks on the Carpathian Mountains, and fome fmaller works, has a very rich collection. His native and mineralized gold ores of Hungary and Tranfylvania are very fine. Geognofy being a favourite ftudy with him, he has collected together a great many of the Mountainrocks; the moft remarkable of which are his volcanic, or pfeudovolcanic, productions from the diftrict of Tokay. If many of thefe are not volcanic, I can find no oryctognoftic character to diftinguifh. them from thofe I have feen in collections formed in indifputable volcanic countries; and which I have myfelf, in my travels in Italy, Sicily, and its neighbouring iflands, collected in their native places. Cruel wars (but without bloodhed) have been carrying on for fome years in Germany, between the two partiec, the Neptunifts and Volcanifts. On the fide of the latter this excellent man has ranged himfelf; and it feems when he takes his pen in hand he has ilVefuvio in petto.

I have generally obferved a fneer in the countenances of the mineralogifts of this city, when on the topic of his late difcovery of a

Kind of Zeolite, which forms, according to his account, entire hills. Truly it differs much from the hitherto known Zeolites in its external appearances, being nearer allied to the Pitchftone (Peclffein); but not in its chemical characters: though I believe we fhall find many of the black Pitchftones to have more of the properties of Zeolite than of the Mifnia Pitchftone. But when I fpeak of the Tokay diftrict, I fhall be more particular on this foffil.

He poffeffes the greateff foffil thigh-bone of an elephant that probably exifts. It is exactly five feet, Englifh meafure, in length, and four feet round the knee: it was found in Tranfylvania. The great thighbone in the Imperial collection is only four feet long: and that of the fkeleton of the elephant in the mufeum of the univerfity of Vienna, which is eight feet and a half from the ground to the end of the fpinal procefs of the higheft of the dorfal vertebræ, is only three feet two inches : to what an immenfe animal muft not this have belonged!

The Count Wrbna, an excellent mineralogift, and well verfed in metallurgy and mining, has a no lefs valuable collection. He has fpecimens of cryftllized red filver ore of furpriling beauty, and intrinfic value. It is principally to him we are indebted for the red Shorl of Rhonitz in Hungary. He was at confiderable expence in digging for it, to fupply his own collection and thofe of his friends.

Mr. Sonnelfels has a fmall collection, chiefly of fhowy fpecimens. I think.

I think it was here I faw a piece of green Sal Gemmæ, which I was informed was from Saltzburg.

The collection of Mifs Raab, formed chiefly by donations from Mr. Born, who publifhed a catalogue raifonné of it in 1790 , is compofed of fmall chofen fpecimens. It was to be difpofed of for three thoufand ducats. Some of the preceding are likewife to be difpofed of, if a large fum be offered. Forming mineral collections, in Germany, is often a pecuniary fpeculation. Profeffors Haidinger, Jordan, and Poda have fmall collections; and fmall collections in fuch hands are more interefting to fee, than fplendid ones with people ignorant of the fcience.

There are more private collections; but they are mofly repetitions of the fame things, chiefly the produce of the Auftrian hereditary dominions, fo rich in mines; and are all in much greater perfection and profufion in the Imperial collection, which is certainly the firft in Europe, that is, in Foffils, Shells, and Líthophytes. Thofe objects which are liable to become a prey to moths and other infects, have no place here. Hungary and Tranfylvania have fent hither their native and mineralized gold ores, their Opals and petrified wood. Of the Opalus nobilis, or true Opal, there is a fecimen of the fize of the fif: : it is known to have been in Vienna for thefe two hundred years, and has, like moft large Opals, feveral fmall cracks. Of that particular kind of petrified wood almof peculiar to Hungary, the Opalus

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ligneus, there are trunks of trees. Carniolia has paid its tribute in its quickfilver ores; Carinthia, in its Plumbum flavum, and Zincum cryfallinum; Styria, in its Flos ferri; Bohemia, in its cryftallized Tin and Tungftein; Moravia, in its Lepidolites; Galicia, in its Salt. In fhort, the moft flendid fpecimens of the whole hereditary mines are found here. But it is not confined to indigenous foffils. The rareft Siberian foffils, and the volcanic productions of Italy, are found here in profufion. There is a flab of the elaftic flone (arenareus flexilis), above two feet long, eighteen inches broad, and nearly one and a half thick: it was bought at Lifbon. One of the interefting, but not fplendid fpecimens is a block of the Porphyrius fchifoffus, with balls of the fame, perfectly round, four or five inches diameter, nidulating in it. But to mention all the foffils of this fuperb collection, would be to give the nomenclature of mineralogy.

The Lithophytes and Shells are likewife very numerous and valuable. The collection of Florentine Mofaics, in an adjoining room, is not to be equalled.

This fine collection is conducted on a liberal plan; it is open to the public every Tuefday morning, and I believe every day of the week to the cognofenti who will be at the trouble of making themfelves known to the directors.

The collection of the univerfity is very poor in foffils. The
zoological part is good, but going to decay. I noticed a fine Elephant, well prepared ; one or two Lions, two Leopards, a Tiger, the Mexican Cat (Felis pardalis), Vivera Genetta \& Narica, the fhorttailed Opoffum and Kangurugh (Didelphis brachyura et gigantea), a Wild Boar and Mexican Hog (Sus Aper et Taiaffa), the Blue Antelope, White-faced Antelope, Barbary Antelope, and Chamois (Antel pe leucoppea, pygarga, Dorcas, et rupicapra); a Hyrena, a Sloth (Bradypus tridacitlus), the Spotted Ape, Silky Monkey, \&cc. \&cc. (Simia Diana, Rofalia, Aygula, Petaurifta). The Birds are numerous and in good order, but the Amphibia are few. Here is a fine fkeleton of an Elephant and of a Dromedary, both are without the futures of the os intermaxillare; likewife one of an Oftrich. In the collection of anatomical preparations there are two fine fkeletons of a Lion and Lionefs, and both are without thefe futures.

The Secretary of Marefchal Lafcy, Mr. Pittoni a druggift, Mr. Mark, and two or three more whofe names I have forgotten, have fmall collections of infects.

Tombacher, a very honeft man, but poor, fells infects. As his prices are low, and many of the infects are not found in our ifland, I think it may be agreeable to our entomologifts to have a copy of his catalogue of Coleoptera, with their prices. It is in Auftrian money: A Gulden is about two fhillings, and fixty Creutzers make a Gulden. His addrefs is Matibeus Tombacber, Infecktin Handler, auf der Wieden, Vienna.

No.

| Names. | Price. | No. | Names. | Price. | No. | Names. | Price. |
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|  | f. cr. |  |  |  |  |  |  |
| Ceramb. alpinus | 30 |  | Lept. 6 -guttata | $3$ |  | Bupref. 4 -punctata * | 3 |
| - Heros * | 15 |  | - uftulata |  |  |  |  |
| Lamia textor * | $15$ |  | - nigra* | $\begin{array}{r} 5 \\ 10 \end{array}$ |  | $\begin{aligned} & \text { lata * } \\ & \text { Salicis } \end{aligned}$ | 6 |
| Saperda Carcharias Ceramb. Cerdo* | $\begin{array}{r} 15 \\ 2 \end{array}$ |  | Necyd. meridialca | 10 |  | Pyrochroa coccin, v. * | ra |
| Lamia futor* | 15 |  | Stenoc. merid. var. | 15. |  | Lamia Kaehleri | 40 |
| Prionus coriarius*. | 15 | 58 | Lept. livida * | 2 |  | Callid. fanguincum* | 3 |
| -_ Cabricornis* | 50 |  |  | 2 |  | Crioceris merdigera * |  |
| Ceramb, xedilis |  | 60 | Canth. melanura | 3 |  | Clerus apiarius |  |
| Lept. cailcarata | 2 | 61 | Necyd. uffulata | 3 |  | Saperda ferrea | 5 |
| Canth. fennicum |  |  | - Podagrariz * | 3 |  | Ceramb, varius |  |
| Lept. 4 fafciata * | 5 | 63 | Canth. 2-punct. | 3 |  | _- hifpidus | 5 |
| 13 rubra * |  |  | Lept. fanguigol. | 4 |  | - nebulofus | 5 |
| 14 Lamia morio var. Athiops | 3 | 65 | collaris | 4 |  | Lept. virens * |  |
| 15 _morio var. fulvus | 3 | 66 | ldem, var. | 3 |  | Saperd. tremula * |  |
| 16 - pedeffris . |  |  | Carab. crepitans |  |  | Lept. cerambiciform. |  |
| 17 Stenoc. elytr, rubris | 15 | 63 | Donac, craffip, var. | 10 |  | Saperd. occulata | 15 |
| 18 Lept. teftacea var. * |  | 69 | Canth. rufficoll s | 3 |  | Lucan. parallel. * | 2 |
| 19 Callid. arcuatum | 3 | 70 | Leptura ffrigilata ? | 3 |  | Byrrhus gigas |  |
| --- arietis * | 3 |  | - lurida |  |  | Scarab, quadridens |  |
| atum | 10 |  | Necyd. rufa | 5 |  | Lucan. caraboides * |  |
| ale | 5 | 13 | Ceramb. carbonar. | 3 |  | Chryfom. fpeciofa * | 3 |
| 23 Lept. humeralis | 20 |  | Lept. fanguinol. * | 4 |  | Crypt. 4 -punctatus * | 2 |
| Callid. myftieum * | 2 | 76 | $\overline{\text { Callid. }}$ atra* ${ }^{\text {a }}$ | 3 15 |  | --- longipes * | 2 |
| -- plebeium |  |  | Callid. detritum <br> Lamia curculionoides * |  |  | - ${ }^{\text {4-punct.? }}$ - ${ }^{\text {dentatus }}{ }^{\text {a }}$ |  |
| ${ }_{27}$ Lept. 4-maculata * | 5 |  | Callid.friatumLaicharting | 2 |  | --- longimanus |  |
| 28 Rhag. mordax | 2 |  | Lytta fyriaca * | 4 |  | Apate Capucinus |  |
| 29 - bifafciatum | 3 | 81 | - erytroceph. * | 3 |  | Chryf. Adonidis * | 5 |
| $30-$ indagator ? ${ }^{\text {a }}$ |  |  | Canth. livida |  |  | Crioceris Caprex |  |
| $3^{2}$ Sienoc, tot, ater | 20 | 83 | Helops lanipes * | 2 | 136 | Cryptocep. 6-punct. - |  |
| 32 Callid. Bajulus * |  | 84 | Mylabr. 'Cychorei |  |  | Chryf. facra * |  |
| 33 Saperda Cardui | 5 | 85 | Clerus formicarius | 3 |  | $\underset{\text { Coccin }}{\text { (-j)unct }}$ * |  |
| 34 Lamia lineata * | 30 |  | Necyd. formicaroides | 3 | 139 | Coccin. 14-gutt. conglobata ? | 2 |
| 36 Canth. livida | 2 |  | Synodendron cylindricum |  |  | - 6 -puft. * | 2 |
| 37 - fufca |  | 89 | Chryf. tenebricofa * | 1 |  | Chryf. alni - |  |
| 38 Py rochroa crece nea |  | 90 | Bupreft, mariana * | 5 |  | Crypt. 2-punct. * |  |
| 39 Lycus fanguineus * | 2 | 91 | - lugubris | 10 |  | Scarab. ruffipes |  |
| 40 Spondylis bupreftoides * | 5 |  | Querci | 5 | 145 | Chryfom. faphylea | 3 |
| Callid. confulum * | 15 | 93 | ruttica | 5 |  | fattuoga | 3 |
| 42 Lept. punctata | 10 | 94 | chryfoftigma * | 3 | 147 | $\overline{\text { protio }}$ | 3 |
| Calid. violaccum Donacia craffipes | 5 |  | atilans | 5 | 148 | Canth. nigra | 3 |
| 44 Donacia craflipe | 10 |  | adripunct. ?* | 15 |  | Chrylom. obfcura | 3 |
| 45 Id. var. * | 5 |  | viridis * |  |  | Galeruca coccinea | 3 |
| 47 Lept, nov. fp. | 10 | 99 | maculata | 2 C | 152 | Crypt. fericeus * | 3 |
| 48 Cift. cervina * |  | 100 | treniata |  | 153 | - violaceus, var | 3 |
| ${ }_{50} 49$ Cept. dimidiata | 3 |  | _-_ cyanea | ${ }_{10}$ |  |  |  |
| 50 Ceramb. nebulofus <br> ${ }_{51}$ Lept, 2 -punctata * |  |  | -_berolinenfis |  |  |  |  |
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|  | 9. cr. |  |  |  |  |  |  |
| 154 Cryp. cupreur, var. |  |  | Scarab. fcutellaris Elater cupreus. | $\begin{array}{r} 5 \\ 10 \end{array}$ |  | Scarab, ovatus nuchicornis | 3 |
| ${ }_{156}^{155}$ |  |  | -- murinus * |  |  | -_ fordidus* | A |
| 157 -...cyaneus* |  |  | -- germanus | 2 |  | Carab, crux major | 3 |
| 158 - bipuftulatus | 3 |  | - aterrimus | 5 |  | Curcul. Nucum | $\bigcirc$ |
| 159 - violaceus |  |  | - rencus |  |  | Cicindela campeft.* |  |
| 160 -. Morrei* | 3 2 2 |  | - ${ }^{\text {- }}$ |  |  | -_-.- viennenfis | 3 |
| 161 Chryl. gloriofa |  |  | - fanguineus | 5 |  | Curc, variolofus |  |
| 163 _-. limhat |  |  | - id. var. | 3 |  | - fulciroftris |  |
| $164-20$ punct. * | 3 |  | -- oblcurus | 10 |  | - id. var. |  |
| 16; - fanguinol. |  |  | - aterrim | 10 |  | nebricofus |  |
| 166 Diaperis Boleti * | 3 |  | -- flavipes |  |  | ry fopt |  |
| 167 Caryf. æenea ${ }^{\text {a }}$ * | $5$ |  | caftane |  |  | punctatulas |  |
| 168 Crypt. Mryi | 3 | 221 | Sylpha groffa | 5 |  | - elegans |  |
| $10-10$ - punctata* |  |  | - thoracica* |  |  | - leopardicus |  |
| 171 | 5 |  | --- hevigata | 2 |  | - Colon* |  |
| 172 - marginata | 2 |  | -_-- reticulata | 2 |  | - cinereus |  |
| 173 Byrihus pilula * | 2 |  | - rugofa* | 3 |  | danubialis | , |
| 374 Trichius hemipter.* | 4 |  | Trox fabulofus * |  |  | - paliriatus |  |
| ${ }^{175}$ Chry. Tanaceti* | 2 |  | Opatrum Iabulofum * Sylpha 4-punct. * | 3 |  | -_id. var. 1 |  |
| ${ }^{177}$ Carab. fpinipes | 5 |  | Caffida ferruginea * | 2 |  | -id. var. 2 |  |
| $178-\therefore$ veltitus | 5 | 230 | -- limbata | 5 |  | - argentatus |  |
| 179 ---pallens | 5 |  | -_affins, var. |  |  | - juniperinus |  |
| 180 Anthrib. albiroftris | 5 |  | ——uriris * | 3 |  | - Jacere | 3 |
| 181 | 3 | 233 | Scarab, Schreberi |  |  | tritis |  |
| ${ }_{182}^{182}$ Carab. Muileri ? |  |  | Lethrus cephalot | 10 |  | - miolaceus |  |
| ${ }_{184} 8_{4}$ ——- chalybeat. | 2 |  | - lunaris * | 3 |  | - nov. fp. |  |
| 385 - aterrimus * | 2 |  | - juvencus |  |  | - argent, var. |  |
| 186 | 2 | 238 | Hiker unicolor |  |  | Atellabus curcuion. |  |
| 187 - nov. (p. | 5 |  | fab. nov- for | 20 |  |  |  |
| 189 - leucophth. * | 10 |  | - fubterran. | 3 |  | Crioceris Afparagi |  |
| 190 Nieroph. Vefpillo | 3 |  | - pillular. | 2 |  | -- Betule |  |
| 191 Carab. fabulofus | 5 | ${ }^{2} 43$ | - Schrefferi |  |  | $\overline{\text { argent. va }}$ |  |
| $19^{2}$ - cephalotes | 10 |  | Havi |  |  | Curc. argent. var. |  |
| 193 - marginatus | 3 |  | Hifter bimacul.* | 2 |  | - Populi ? * |  |
| 195 - hortenfis | 30 | ${ }^{2} 47$ | - 4 -maculat. |  |  | - purpureus? |  |
| 196 - nitens | 40 |  | --- unicolor |  |  | - bimacul.? | 3 |
| 197 -- inquifit | 5 |  | Chry. Lemur | $\frac{3}{2}$ |  | - roridus |  |
| 198 -- Iycophanta* | 5 |  | - luridus * |  |  | - violaceus? |  |
| 200 - granulatus? | 5 |  | Spherid. fcarabacoides |  |  | -abbreviatus |  |
| 201 - purpurafeens * | 5 |  | - fcybalarius** |  |  | -xquatus* | 3 |
| 202 - coriaceus * | 10 |  | _- bimaculatus |  |  |  |  |
| 203 - pilofus | 5 |  |  |  |  |  |  |
|  | 5 |  |  |  |  |  | Curc. |


N. B. Thofe that are marked with an * I found to be correct in the nomenclature : the others I had no opportunity of examining.

The markets next claim the attention of the naturalift ; and thefe, to the Vienna people, who are noted for being addicted $\grave{d} l a$ gourmandife, are things of the firft moment: a deficiency in livers of geefe and fmall birds might caufe a revolution, or be confidered as a fufficient caufe of delivering up the city if befieged. They are well fupplied. I have fometimes feen a fcore of Wild Hogs, and a dozen of Stags in the game market at the fame time, and Hares literally by cart-loads, with abundance of Pheafants and Partridges, and fometimes the Ptarmigan, and the Hazel-Grous, Tetrao

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Lagopus

Iagopus \& Bonafia. The fmall birds are there by myriads : the Brambling, Fringilla Montifringilla; Tree-Sparrow, F. montana; Sifkin, F. Spinus ; and Crofs-bill, Loxia curviroftra, were in the greateft plenty: yet Black-birds, Turdus Merula; Thrufhes, $\mathcal{T}$. vifcivorus ; Field-fares, T. pilaris ; Red-wings, T. iliacus; Greenfinches, Loxia Cbloris; Houfe-Sparrows, Fringilla domeffica; Larks; the common Gull, Larus cinereus; the green and greater fpotted Wood-peckers, Picus viridis \&o major, were here : and even birds unclean, and forbidden by Mofes, as Hawks, Magpyes, Jays, But-cher-birds, and Nutcrackers, Corvus caryocatactes. Even the Bullfinch and Robin are not fpared.

The livers of geefe are efteemed a great delicacy : they are eaten ftewed. Some poulterers have a method of making them grow to an enormous fize. This is kept a fecret amongt the Jews, who are the - principal feeders. I have been informed by different people, that the geefe are only kept in very fmall pens, where they cannot move, and are crammed chiefly with Indian wheat, and are allowed little or no water. This is as much a fubject of pathology as of oconomy: to an Englifh palate they are not fo good as calves' liver.

Some of the tame hogs that fupply the Vienna market ought to be particularly noticed; I mean thofe which come from the Turkih frontiers, from Bofnia and Servia. When they arrive at Vienna, though they have performed fo long a journey, they are fo fat
as fearce to be able to walk, and can only travel a few miles in a day. They are the handfomeft of the hog kind, and apparently of a mild difpofition. What makes me particularly mention them is their fkin, which is covered, exclufive of the ufual briftes, with a coarfe kind of wool, like that of the wild hog.

From hot-blooded animals I will pafs to the cold. Sturgeon is always in the market, but not cheap; it generally fells for 18 pence a pound: it is caught in the Danube about Offen, and even as low down as Belgrade. The Silurus Glanus, often fix or eight feet long: Carp, which is in the greateft plenty, is about 6 pence a pound. The var. $\beta$, the Spiegel Karpfe of the Germans, is very common, and very various in its diftinguifhing character, the fcales. Often in the fame tub are feen, fome with one row only of large fcales, others with two rows, and many in which the great fcales are placed without any order; fome have many, others have few. Pike, Efox Lucius; Tench, Cyprinus Tinca; Barbel, Cyprinus Barbus; Perch, Perca fuviatilis; Trout; and the Burbot, Gadus lota, are likewife common.

As an appendage to the fifh market, is the tortoife, frog and fnail market. There are two fpecies of Tortoifes, the orbicularis, and the graca. The firft is confidered as the moft delicate; it is the food of the opulent : one 7 or 8 inches long cofts about a fhilling. The latter is chiefly ufed for foup, and is fomething cheaper. When I faw thefe animals in the frofty weather, they fhewed no figns of life, and
were lying in all directions like fo many fones ; when I brought them into my room, they generally remained torpid, till they had been there a couple of hours. The market people know how to diftinguifh the males from the females, by the fernum of the latter being more convex, viewed from without, than in the males; hence they are thicker.

Frogs are another delicacy. Both the edible, efculenta, and the common Frog, temporaria, are eaten ; but the latter is much lefs efteemed, as its flefh is not fo white. It is the hind legs which are in requeft: 2 pairs coft about three halfpence; they are therefore by no means a cheap difh. The fore legs and livers are moftly ufed for foup.

Thefe poor animals are brought from the country thirty or forty thoufand at a time, and fold to the great dealers, who have confervatories for them. Thefe are large holes, four or five feet deep, dug in the ground, the mouth of which is covered with a board, and with ftraw in fevere weather. I have often vifited thefe confervatories in the hard froft, but never found their inhabitants quite torpid. When I placed them on their backs, they were fenfible of the change, and had frength to turn themfelves. They get together in heaps, one upon another, inftinctively, and thereby prevent the evaporation of their humidity: no water is given them. I found many of them dead, and not for want of water, as I found this fluid in their bladder. Many I imagine had died of the injuries they had received during
their captivity; others, no doubt, by being arrived at that period at which the powers of life are feeble, and eafily deftroyed. There are only three great dealers: thefe fupply moft of thofe who bring them to the market ready for the cook. The Snail, Helix pomatia, clofes the lift of maigre difhes. It is not eaten through œeconomy, as feven of them, at the traiteurs, are charged the fame as a plate of veal or beef. They are eaten boiled, fried in butter, and fometimes ftuffed with farce meat. The fliminefs remains after being dreffed, yet they are confidered as a delicacy!!! but De guffibus non of difputandum. The greateft quantity and the fineft come from Suabia. The fondnefs of the good people of Vienna for thefe things is no new capricious tafte; for Dr. Brown, who was here above a century ago, makes the remark in his Travels, that, fince their markets were fo well provided, "he was furprifed to meet with fome odd difhes at their tables, as guinea pigs, divers forts of fnails, and tortoifes."

The public amufements of this city, which are numerous, under Therefa and Jofeph II. were much refined. The two theatres within the city are very magnificent. Madame Vigano from Spain, whilft I was at Vienna, honoured them with her dancing, and exhibited the fineft tafte and the greateft elegance. Her attitudes were fublime ; and her loofe and open Grecian drefs, which only concealed fo much of her perfon as to heighten the charms of the beauty the left expofed,
pofed, raifed into paffion the admiration of every one poffeffed of fine tafte and fenfibility.

In the fuburbs there are feveral fmaller theatres: and at one of thefe it was where I heard Mozart's Sauberfïte, the fweeteft mufic ever compofed. And of thofe kinds of reforts, which ferve as places of relaxation and debauch to the inferior ranks of life, and to thofe of groffer tafte ; where mufic, dancing, feafting, and women of the town, are to be had at cheap rates, this city and its fuburbs abound. Thefe, the public amufements, the pleafures of the table, and what the French call la phyfique de l'amour, are the great fources of the happinefs of the opulent part of the inhabitants of this city, as they are indeed of the inhabitants of other great towns where affluence abounds. But there exifts a public amufement here which does not fhew much refinement of manners, of which we know nothing in our diffipated metropolis, and which probably ought not to be permitted any where, though indeed fomething of the kind, on a fmaller fcale, is a favourite amufement with our butcher boys under the name of bull-baiting: it is the Hetze, or le combat des animaux. It is not the low vulgar alone who come here, but gentlemen and ladies; and it is generally a Sunday evening's amufement, as a delafement after the religious duties of the day.

When, as amongft the Romans, the ftrongeft and the fierceft animals
animals of Afia and Africa, in their native wildnefs were, on particular occafions, turned loofe on the arena, it might for once have formed an interefting fpectacle, where the fufferings of the combatants might be loft in the novelty of the fight; but where a few difpirited oxen, under the name of wild Hungarian bulls, and half humanized bears, are turned out to be lugged by the ears by dogs, I fee nothing but cruelty. The fiercer and rarer animals, when there are any, are too valuable to be fairly expofed; and the havock they would make among the dogs would render this a too expenfive amufement: but the inquifitive traveller is often obliged to be prefent at feenes he does not wifh to countenance. I went there to fee the Bos ferus, or Wild Bull. He came on the arena with great dignity and compofure ; a good many dogs, I think not lefs than eight or ten, were fet upon him ; he did not move, but kept his place, his head to the ground, and with his fhort horns defended himfelf admirably well; the fneaking curs that attacked him behind he kicked down :-it would have grieved me much to have feen him overpowered. He had no fiercenefs, nothing but grandeur in his looks; he was brought young from Poland, and is now tame. Other animals were turned out ${ }_{3}$ but they were all more anxious to get back to their dens than to fight.

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From fcenes like thefe, from fcenes of mifery, where the fufferings of one part of the creation are made the paftime of the other, WeOH5 D let
let us turn to that beautiful and peaceful part of nature, the vegetable world. The environs of this city are not lefs rich in the productions of this kingdom, than the city iffelf is in thofe of the mineral; and the Imperial garden of Schœenbrun I think even furpaffes the Imperial collection I lately defcribed.

This is only an hour's walk from Vienna; and in the fevere winter of 1793 I often went there to enjoy the beauties of a tropical climate. What a pleafing contraft, when, from being battered with driving fleet, or covered with fnow in my way thither, whilft the vegetable world was dead, and the very earth was hid by fnow from my fight, I fepped into thefe hot-houfes, rich with odours, and adorned with the rareft palms !

Thefe hot-houfes, I believe, are the fineft in Europe. One range is ninety yards long and thirty feet high within; another range is nearly as high, and above a hundred yards long:-part of this is a greenhoufe: and three more ranges of hot-houfes, each about eighty yards long, but much lower than the former ; and laftly two or three fmall green-houfes, in one of which the alpine plants are kept during winter, as Mr. Boofe, the gardener, thinks the Vienna winter too fevere for them.

The inhabitants of thefe princely buildings are no ways unworthy of them ; the rareft palms and flarubs peculiar to the tropics 301
grow
grow here in their native pride. The Corypla umbraculifera extends its large leaves twelve or fourteen feet around; the Caryota urens afcends to the height of fixteen or eighteen feet; the Cocos nucifera and Elaeis guineenfis grow with great luxuriancy; and many rare fhrubs, natives of the fame favoured climate, though not fo peculiarly indicative of their country, are here equally exuberant. The Citharexylum quadrangulare is twenty feet high; Bignonia Leucoxylon, Malpigbia glabra, and the Coffee Tree, fixteen feet; and the Ruitzia laciniata, Carolinea princeps $\mathcal{E}^{\circ}$ infignis, with other lefs rare, twelve to fourteen. The Rbapis flabelliformis has a fipes above ten feet high; the Hernandia fonora and Helicteres apetala, with their large leaves, contribute their part to beautify this princely collection. Befides thefe, I obferved the following rare fhrubs: Urtica baccifera, Tricbilia Spondioides, Coccoloba pubefcens $\mathcal{F}$ excoriata, Tabernamontana citrifolia grandiflora © perficarifolia, Morus mauritiana, male and female, the latter in fruit. Terminalia Catappa, Malpigbia glandulifera E coccigera. Cecropia peltata, Dapbne umbellata, Geoffroya inermis, Mimofa cornigera छ Juga, Myrtus balJamifera, Jacquinia armillaris $\mathcal{E}^{\circ}$ rufcifolia, Amyris maritima, Befleria bivalvis, Melicocca bijuga, Laugeria odorata, Alpinia comofa, Trilix lutea, Ebretia exfucca, Maranta lutea, Samyda ferrulata, Pandanus odoratifimus, Cafine capenfis, Eugenia Iambos, Theopbrafta longifolia, pinnata $\mathcal{F}^{\circ}$ americana, Schotia Jpeciofa, Triplaris americana, Solanum fellatum fulgax siganteum $\mathcal{O}^{\circ}$ aggregatum, Eupborbia punicea, Phyllantious nutans, with feveral fpecies of the Banifferia; three
$\mathrm{D}_{2}$
fpecies of Clufia, four of Brownea, and the Cookia in full flower. Many of thefe fhrubs are fearcely found in any other collection in Europe; and the more humble genera of Pothos, Arum, and Zamia, of which there is here the crafinervid, grandifolia, digitata E pinnata of the firft genus; the Colocafia, efoulentum, feguinum, E bederaceum of the fecond; and the integrifolia, media, angufifolia \& Cycadis of the laft, adorn, by their fingular appearance, this collection.

This is not a catalogue of the rare plants in thefe vaft confervatories, but a lift of a few, which fruck me moft, and which I beft recollect. But a little ill-natured fquabble, fuch as will fometimes happen, even amongt the beft of men, has been the caufe of a catalogue of the rareft being publifhed in Baldinger's Phyfician's Magazine, which I fhall tranfcribe, as this work, like mof that are publifhed in the German language, is little known in our ifland. It is by Dr. Baumgarten, author of the Flora Lipfienfis, who, in the 15 th number of that magazine, has publifhed a defence of the botanical eftablifhments of Vienna, which were feverely criticifed by an anonymous writer in the preceding volume of the fame magazine, where Mr. Jacquin is treated with great feverity ; greater probably than is juft. But however jufly he may have cenfured the director of the botanic garden of the univerfity, his cenfure on the Imperial garden, and its fuperintendant Mr. Boofe,
appears to me to be very unjuft. That it fhould not be permitted to every one to go into the hot-houfes alone, or to help themfelves to fpecimens, is not an unneceffary regulation for a garden fo near one of the moft populous cities in Europe. But if it be difficult to get admittance into the garden of the univerfity without a bono mano, or a well powdered head and embroidered coat (which with the old Jacquin, I think, would be but a fmall recommendation), when love for the fcience fhould be confidered as the firtt claim, it is not fo in the garden under the infpection of Mr . Boofe. His time, which is much taken up with this extenfive eftablifhment (the Menagerie being likewife under his care), and with the numbers of ftrangers and people of fafhion who come to fee it, is at the fervice of every fcientific man who will call upon him; and fpecimens of plants likewife, if they can be fpared, without his ever thinking of receiving a gratuity for his trouble. It fhould be recollected, likewife, that though the garden of the univerfity was deftined for the fudy of botany, this was not, and is only confidered a public garden from the liberal manner in which it is conducted. However, between Mr. Anonymous and Dr. Baumgarten, all the botanifts at Vienna have been cenfured; for thofe whom Anonymous com. mends the Doctor difcommends, only perhaps to prove that his praifes are mifapplied. The moft interefting thing in this affair is the following catalogue of the rareft plants of this garden, which the Doctor has inferted to fhew how valuable a collection Mr . Boofe has under his care.

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Achras mammofa \& Sapota. Adanfonia digitata and a new fp. Agiphila martinicenfis. Alamanda cathartica. Alpinia comofa \& fpicata. Amyris maritima \& toxifera. Anacardium orientale. Annona muricata, palufris, reticulata \& fquamofa. Aquartia aculeata. Aralia capitata, and others. Arctotis acaulis, annua, calendulacea, with a great many new fpecies. Areca oleracea. Ariftolochia anguicida, bilobata, caudata, peltata, \&cc. Artocarpus integrifolia. Afparagus capenfis. Aucuba japonica. Averrhoa acida \& Bilimbi, \&cc. Banifteria angulata \& ciliaris, with a great many new fpecies. Bauhinia aculeata \& porrecta. Bignonia æquinoctialis, cœrulea, capreolata, Leucoxylon, paniculata, Runs \& Unguis cati. Boehmeria ramiflora. Bombax Ceiba. Bontia daphnoides. Brownea coccinea, grandiceps; with fome new fpecies. Buddleia americana, capitata, falicifolia \& falvifolia. Buttnera microphylla. Burfera gummifera. Bixa orelana. Calamus Rotang. Capparis Breynia, cynophalophora, frondofa, tenuifiliqua, verrucofa, and two unknown fpecies. Carica Papaya, and fome new fpecies. Carolinea infignis. Caryota urens. Caffia alata, bacillaris, bipedunculata, Fiftula, polyphylla, \&cc. Caffine Peragua. Catefbæa fpinofa. Cedrela odorata. Celtis micrantha. Cecropia peltata. Ceropegia fagittata. Ceftrum auriculatum, Parqui, \&cc. Chiococca racemofa. Chironia frutefcens. Chryfophyllum Cainito. Cinchona caribæa. Ciffampetos Pareira \& fmilacina. Ciffus acida \& quadrangularis. Citharexylum cinereum, \&cc. Clufia flava. Coccoloba excoriata \& pubefcens, \&c. Cocos nucifera. Coffea occidentalis. Conocarpus erecta. Convolvulus Batatus, brafilienfis, pentanwhith thas,
thas, \&zc. Cordia Sebeftena. Corypha minor \& umbraculifera. Coftus arabicus. Crefcentia cucurbitina, Cujete \& pinnata. Croton pungens \& febiferum. Cycas circinalis \& revoluta. Cynometra ramiflora. Dalechampia fcandens. Daphne umbellata. Diofcorea alata, bulbifera \& triphyllos. Diofpyrus Ebenum, \&cc. Duranta Plumieri, \&c. Echites corymbofa. Ehretia tinifolia. Epidendrum ciliare, cochleatum, elongatum, nodofum, \& Vanilla. Ernodea littoralis. Eugenia baruenfis, \&cc. Euphorbia Caput Medufæ, Clava, cotinifolia, nudiflora, punicea, \&c. Eupatorium Dalea, perfoliatum, \&c. Fagara Pterota, \& tragodes. Flagellaria indica. Ficus benjamina, jamaicenfis, puindica, nymphæifolia, pumila, racemofa, religiofa, ftilacea, \&c. Galega caribæa. Gardenia florida \& Thunbergia. Genipa americana. Geoffroya inermis. Glycina anguftifolia Jacq. tomentofa, \&cc. Gronovia fcandens. Guajacum officinale. Guettarda fpeciofa. Guilandina Bonduc, Bonducella \& Moringa. Hamellia chryfantha \& patens. Hedyfarum umbellatum. Heliconia Bihai \&reginæ. Helicteres apetala. Heliocarpus americanus. Hernandia fonora. Hippomane Mancinella. Hymenæa, Courbaril. Hyptis capitata. Jacquinia armillaris \& rufcifolia. Jatropha Janipha Manihot, moluccana \& multifida. Jufticia bracteolata, caracaffana, coccinea, Ecbolium, pulcherrima, \&c. Ixora coccinea. Kirganella mauritiana, Juff. Laugeria odorata. Laurus Camphora, Cinnamomum \& indica. Lawfonia fpinofa. Malpighia coccigera, glandulofa, with fome new fpecies. Mangifera indica. Maranta lutea. Melicocca bijuga. Mimofa campefchiana, caracaffana, cinerea, circinalis, cornigera, fagifolia, glauca, horrida, Inga, Lebbeck, portoricenfis,

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portoricenfis, punctata, fcandens, fenfitiva, fimplicifolia, fpeciofa, tamarindifolia, Unguis Cati, \&cc. Morus mauritiana. Myginda Rhacoma. Ochrofta maculata. Olea americana \& fragrans. Panax aculeatum. Parkinfonia aculeata. Paffiflora laurifolia, perfoliata, ferratifolia, \&cc. Paullinia cauliflora, hifpida, mexicana, tomentofa, and fome new fpecies. Phyllanthus Epiphylanthus, nutans, fpeciofus, \&cc. Piper aduncum, blandum, clufiæfolium, cuneifolium, decumanum, Diofcoriæfolium, Magnoliæfolium, marginatum, medium, Perefkixfolium, rugofum, ftellatum, umbellatum, \& verrucofum. Pifonia aculeata. Piffacia narbonenfis \& vera, \&cc. Pitcairnia Bromelixfolia. Plumieria alba, obtufa \& rubra. Poinciana pulcherrima. Pothus craffinervia, digitata \& grandifolia. Protea argentea, conifera. Levifanus, faligna, \&c: Pfidium pomiferum \& pyriferum. Pforalea bipedunculata, carthaginenfis, emphyfodes, \&c. Pteris caudata \& ferrata. Randia aculeata \& mitis. Rauwolfia canefcens, \& nitida. Rhamnus colubrinus, ignaneus, Jujuba, \&c. Rhapis flabelliformis. Ruizia laciniata. Samyda ferrulata. Sapindus Saponaria. Sideroxylon maftichodendron, melanophleum, mite \& tenax. Smilax Saffaparilla. Solandra grandiflora. Solanum aggregatum, auriculatum, campefchianum, ferox, fugax, giganteum, igneum, macrophyllum, ftellatum, Atramonifolium, tetrandrum, verbafcifolium, \&c. Sophora capenfis, microphylla, tetraptera, \&c. Spananthe paniculata. Spondias. morubina, and a new fpecies from Otaheite under the name of Evi. Sterculiz foetida, \&cc. Swietenia Mahagoni. Tabernæmontana atrifolia, grandiflora \& perficariæfolia. Tamus elephantipes. Taxus longifolia.

Terminalia Benzoe \& Catappa. Theobroma Cacao \& Guazuma. Theophrafta americana, longifolia \&t pinnata. Tournefortia cymofa, foetidiffima \& volubilis. Trilix lutea. Triplaris americana. Urtica arboræa, baccifera, \&cc. Varronia alba, bullata, curaffavica, \&cc. Volkameria inermis, \&cc. The four fpecies of Yucca. Zamia anguftifolia, Cycadis integrifolia \& media. Befides thefe there are an immenfe number of bulbous plants from the Cape ; and a rich collection of the genera Arum, Arctotis, Erodium, Geranium, Oxalis, and Pelargoium.

What adds greatly to the pleafure of walking in thefe houfes is, the fight of a variety of rare birds flying about as in full liberty, and the hearing them fing, perched on the very trees which afforded them food or fhelter in their native country. How pleafing it was to fee the little Spittacus pullarius perched on a beautiful Mimofa in full flower, and the Aftrild, butyracea and other Loxia, playing under the great leaves of the Hernandia fonora and Helicteres apetala! The Aftrild is very numerous, having bred here. Some Nightingales are likewife kept. Thefe birds deftroy ants and other infects which are fo noxious in hot-houfes. Here is likewife a long-tailed Dove or two from the Cape. There are many more Loxia and other rare birds in cages, and two or three Simia, but chained.

At the fight of fuch profufion of Nature's fineft works, how could I not wifh, whilft all without was congealed in ice, and covered with fnow, to be tranfported to thofe highly favoured cii-

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mates from whence they came, to fee them in their native country, and enjoy their Sun! Yet fo little does the happine's of nations depend on their natural advantages, not lefs than that of individuals on the fmiles and frowns of fortune, that foon I might, probably, difgufted with the fight of human wretchednefs, wifh myfelf back in our foggy ifland.

It was, I believe, when I tonk my farewell of thefe gardens, when the fap of trees had begun to move, that I met a pair juft coming out of thefe buildings, whom fympathizing paffions had hardly united, but probably difparity of fortunes, The beau feemed of a poor emaciated conftitution, but anxious to make up to his fair one for natural deficiencies, by extraordinary attention. Her fparkling eye and rofy countenance indicated a temiperament that ill adapted her to be the faithful mate of a worn-out fribble. As they paffed me, I heard him expatiating on the paffion of the tender lover they had juft left, the Dove. But what was her reply? Cutting to the quick !-O cruel fair! thus to treat his tender affection !-Looking him full in the face-" I don't love Doves that only coo."

Near the principal hot-houfe there is a piece of ground for North American plants; in the middle is a bafon, with feveral aquatic plants, and the Aponogeton difachion, a plant from the Cape, is one of them. This winter (1793) was very fevere, and
the cold was as great as 17 degrees under $\circ$ of Reaumur ; fo that the branch of the Danube that flows under the walls of this city, was fo frozen, that it was walked over, as if it had been the high road. The bafon was not fpared ; and I think the ice remained there till about the beginning of March. I took a walk here on the $4^{\text {th }}$ of April, and I found this plant in flower; and about the fame time another individual of the fame fpecies was in bloffom in the hot-houfe.

Another part of the garden fupplies the table of the Court.

Adjoining to the garden there is a menagerie, with three or four Camels; they have bred twice, but the young ones died foon after birth; two very fine Zebras, a male and a female; a शuagga; the Barbary Antelope, Antelope Dorcas; Caucafian Goat, Capra caucafica? two Porcupines; the Brafilian Weafel, Vivera Nafua; Long-nofed Cavy, Cavia Aguti ; and feveral Apes and Monkeys.

Amongft the birds, I noticed the Oftrich, andCrefted Curaffow, Crax Alector; the Crowned Pigeon, Columba coronata; feveral fpecies of Ardea, as the Numidian Crane, A. Virgo ; Common Crane, A. Grus; White Stork, A.Ciconia; Black Stork, A.nigra; Night Heron, A.Nycticorax ; Common Heron, A. major; Little Egret, A. Garzetta; and Bittern, A. Stellaris. Several fpecies of Parrots, amongft which were the Redand Blue Maccaw, Spittacus Macao; and the Great Red-crefted $\mathrm{E}_{2}$

Cockatoo,

Cockatoo, S. molluccenfis; feveral Eagles and Vultures; two or three individuals of the great Eagle Owl, Strix Bubo ; the Minor Grakle, Gracula religiofa; and feveral of the duck kind. All this belongs to the Imperial fummer refidence of Schœenbrun; but it is more the public's than the Emperor's, being open to the curious at all times, and more particularly on the Sunday for the common people. It is under the care of Mr. Boofe, who during his refidence at the Cape, and in America, collected a great part of it which he brought over with him. He feems to fulfil his charge, both to his mafter and to the public, with great zeal and propriety; he is particularly attentive to ftrangers, and fpeaks three or four modern languages. I am, like other travellers, indebted to him for civilities, and for feveral fpecimens of rare plants. He has about twenty men under him. There is another gardener now at the Cape, who from time to time fends over frefh plants: he is foon to return accompanied by his fpoils.

I muft, out of gratitude, mention the names of thofe to whom we are indebted for this magnificent eftablifhment : to Francis I. as founder, to whom we owe the Imperial mufeum ; and to Therefa, Jofeph II. and the prefent Emperor for fupporting and enlarging it. Under Jofeph one of the fineft hot-houfes was built, and the gardener, who is now at the Cape, fent out; and I have the pleafure to inform the friends of natural hiftory, that the prefent Emperor having learned in converfing with the gardener, that the plants were too crowded, hinted that another hot-houfe fhould foon be built, notwithfanding
withftanding the prefent war. It is at his particular defire that Dr . Hoft, a very zealous and learned botanift, and author of feveral papers in the Collectanca of Mr. Jacquin, has within thefe few years formed a fmall garden for the plants of his hereditary dominions. The doctor has brought together a valuable collection of Alpine plants from the Carinthian, Styrian, and other Alps; in winter he covers them over with a little mofs, which he finds to anfwer very well.

The botanical garden of the univerfity I only faw in winter. There are two or three more gardens worth vifiting, but this was not the feafon to fee the productions of Flora.

News-mongers and loungers are not without their refources; Vienna teems with coffee-houfes, and all of them have billiard-tables and newfpapers. The following is a lift of newfpapers, magazines, \&sc. moft of which are to be found at one coffee-houfe or another, and all to be bought at the poft-office.

A LIST of Home and Foreign Newfpapers and Journals, which are to be had at the General Poft-Office at Vienna, poftage free, with their prices.




[^0]:    * Carus eft fomnus altiffimus, vix, aut ne vix, excitabilis, fine ftertore, cum refpiratione tacita pacatiffima; femiapertis oculis plerumque dormiunt omnino immobiles.

