CONTENTS

$Preface \cdot ix$

		Who Was He?	ĵ
PART	I	A GREAT MAN CAN COME FROM A SMALL HOUSE, 1707–1741	13
	1	The Guardian Tree	17
	2	Studies in Växjö and Lund	30
	3	The Academy in Uppsala	45
	4	In a Mythical Landscape: Lapland	61
	5	Diaeta Naturalis	82
	6	In the Mountains and under the Ground: County Dalarna	91
	7	In the Land of Tulips	103
	8	Nature's Order 1	119
	9	A Stockholm Interlude	130
PART	II	AT THE HEIGHT OF THE AGES OF MAN, 1741-1758	143
	10	Uppsala and Enlightenment	147
	11	Three Programmatic Speeches	153
	12	Provincial Travels on Behalf of Parliament	158

[vi] CONTENTS

1	3	A Language in Which Everything Matters	176
1	4	Flora et Fauna Svecica	181
1	5	Family Life 1: Scenes from a Marriage	186
1	16	In the Garden, at Herbations, among the Collections	194
1	7	Ex Cathedra	207
1	18	What Is More Precious than Life, More Pleasing than Health?	211
1	19	Academic Amusements	223
2	20	Appetite for Work, Weariness, Communication	228
2	21	When Linnaeus Wrote, Salvius Printed, and Tessin Bought the Books	238
2	22	Linnaeus, "the Sexualist"	247
2	23	Curiosity-Driven Research	253
2	24	Nature and Culture	257
2	25	Entrepreneur and Economist	264
2	26	To Describe the World	271
2	27	Nature's Order 2	279
2	28	Homo sapiens	294
PART I	II	THE OLD LINNAEUS, 1758-1778	301
2	29	Honors	305
3	30	Among Students and among Senior Academics	309
3	31	Family Life 2: Hammarby	317

CONTENTS [vii]

32	Friends and Enemies	327
33	Problems	337
34	A New Synthesis?	346
35	A Philosopher of Science or a Scientist?	359
36	The Back of God and God's Footsteps	365
37	Nemesis Divina	373
38	Solomon on Growing Old	380
	Epilogue I. Family Life 3: Mother and Child	394
	Epilogue II. Linneanism	402

 $Abbreviations \cdot 411$ $Notes \cdot 413$ $Sources\ and\ Literature \cdot 437$ $Index \cdot 459$

CHAPTER ONE

The Guardian Tree

A BIOGRAPHY BEGINS long before the subject's birth and does not end with his or her death: the lifespan it charts is inextricably linked to time and natural surroundings. A human life depends on weather and wind as well as guardianship. The personal narrative is given shape by parents and by those others who remember or care enough to investigate, to follow the tracks in the grass and in the archives.

We live in the shade of trees. In ancient times, Nordic people believed that the World Tree was an ash and the protective guardian tree a linden—a *Tilia*. The biography of Linnaeus should surely begin with a linden. In the late sixteenth century, a huge, split specimen with three trunks grew in Jonsboda in the Småland parish Vittaryd. Three local families were said to stem from the tree and to have taken their names from it: the Lindelius, Linnaeus, and Tiliander families. The great linden had once been declared dead but is still alive. This is Linnaeus identifying himself: "God let him spring forth from a stubborn root, replanted him into a distant place and, praise be, allowed him to soar and grow into a worthy tree."

On the 23rd day of the lovely month of May, the newborn boy, who would be called Carl, opened his eyes to see the world around him: "The most beauteous spring, when the cuccu hailed the summer between frondescentiae [coming into leaf] and florescentiae [flowering]." His place of birth was the rectory in Råshult, County Småland and near the border with County Skåne, which within living memory had belonged to Denmark. Carl was born in 1707, during the night: "Between the 12th and 13th day by the Gregorian style of reckoning, at one in the morning, in the realm of Sweden, the parish of Stenbrohult, the village of Råshult." As this quote shows, the "old-style" calendar was still in use. Sweden had

[18] CHAPTER ONE

not yet adopted the new order, so was "behind the times" and would, from then on, try in all things to catch up with the international lead.

The year of his birth fell during the somber final stages of the Great Northern War. Just two years later, the Swedish army would lose the battle against the Russians at Poltava and, by then, the country was exhausted from never-ending warfare. In 1709 the Danish government set out to reoccupy the Swedish territory lost after the peace of Roskilde. The Danish army landed near the coastal city of Helsingborg in November that year. The governor general of Skåne, Magnus Stenbock, retreated to Växjö in central Småland but ultimately led the defensive forces to victory.

The witch-hunting hysteria, particularly feverish in the north, had reached Småland by then. A few generations earlier, Johanne Pedersdatter, a distant Norwegian relation on Linnaeus's mother's side, had been convicted of witchcraft and burned at the stake in Stavanger.³ Linnaeus seems never to have referred to this relative and may not have known about her. He also makes no reference to the plague that followed in the wake of the war and caused at least a hundred thousand deaths, nor to other forms of contagion made worse by poverty and starvation, nor to the King's taste for war games. A freer, more sensible world was on its way, though. Little Carl's arrival might have been seen to counterbalance the unrest of the time, or as heralding better days to come.

Carl was the firstborn child of his parents, Nils Linnaeus and Christina Brodersonia, but several siblings were to follow. Nils was a minister in the Lutheran Church and, as the son of a clergyman, Carl was to follow in his footsteps and, ideally, succeed him. It was not to be; the baton—or, rather, the hymnbook—went to his brother Samuel.

Both Linnaeus's early homes, first in Råshult and later in Stenbrohult, burned down, but a look-alike house and garden have been created in Råshult, lovingly cared for and popular with tourists.

In his several autobiographical works, Linnaeus writes of his parents with warm affection. His father was a farmer's son, born Nils Ingemarsson and a man who "walked slowly throughout his world, finding his pleasure in the ordering and care of his garden with its several and sundry plants as, in such matters, he found all his peace." A few years after Carl's birth, Nils was promoted from curate to rector in Stenbrohult parish. He now had a home near the parish church as well as his house and grounds in Råshult. The document confirming his position as rector was properly signed by the king on 12 August 1708, though Charles XII was at the time somewhere near Mogilev in White Russia (Belarus). His wife Christina, Linnaeus's mother, was the daughter of the former rector of Stenbrohult.

THE GUARDIAN TREE [19]

She was "heedful and indeed so industrious as to never give herself time to rest. She feared God greatly and was the mother of 5 children. . . . She was a beautiful young girl. . . . The boy was nursed, suckling his own mother's breasts." This last remark reflects a significant element in Linnaeus's later instructions about natural nutrition. Christina's stepmother was a harsh, difficult woman, which might be why the younger woman accepted Nils's proposal—"although otherwise, she had not been thus inclined."

Carl's parents are both described as "of middling height"—that is, "short" by present-day standards—but the differences between them are more striking. Nils was heavily built and she was slender; furthermore, "his spirit slow to anger, even-tempered, and good, hers sharp-tongued, quick, and workaday." Linnaeus is mostly rather silent about his mother, which might suggest secret reservations.

"For her, the day of 13 May 1707 was a day of mourning, as she gave birth, with the greatest difficulty and danger to her life, to a well-formed son: this despite her wish that the child would have been of the gentler sex. . . . The man was however made happy indeed and his gladness atoned for her grief. Thus, they joyfully christened this child, their firstborn, on the 19th day of that same month." Here, the writer is Samuel, Carl's younger brother by eleven years; he is addressing the Småland "nation" at Uppsala University after his eminent brother's death in the New Year 1778. How is it that Samuel knows about his mother's regrets? Why mention it in this context? We don't know. One explanation might be found in the "tradition of conservation"—a form of social support based on the rule that the young clergyman should marry the dead pastor's widow and support any children. The pastor's grown daughter would be free to marry "out."

Linnaeus speaks of his mother only once more: "At 6 o'clock [6 June 1733] after midday, my most dear and pious mother departed, causing me in my absence an ineffable anxiety, grief, and harm." There is nothing more. Nils wrote about his wife in her book of remembrance: "She always feared God and ordered her home well, always diligent and cautious, generous and heedful, and gifted with fine understanding."

"A great man can come from a small house," Linnaeus remarked, referring to himself. Physically, he was a small man, even for his time (estimated height about 153 cm), and seems fascinated by the tall and strongly built: "Those living here [in Stenbrohult], as well as in most Småland parishes, incline to be larger than elsewhere, as is true for both sexes, for the probable reason of belonging to the old tribe of Göthaland, as strangers are seldom seen here and a farmer rarely has his daughter marry anyone not born in the parish." Linnaeus's notes contain occasional references to

[20] CHAPTER ONE

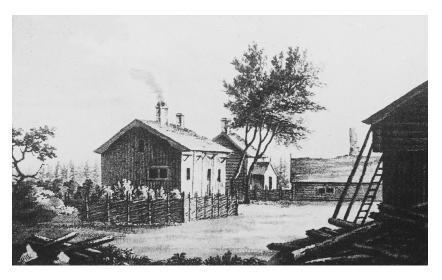


FIGURE 3. "A great man can come from a small house." Råshult, Linnaeus's place of birth. The original house has burned down. Uppland Museum.

a tall Finn called Daniel Cajanus, and one note mentions that the Sami are shorter than himself. Johan Lång (Tall) was a member of Linnaeus's student "nation"—the Småland nation at Uppsala University—and his height caught the attention of its recordkeeper: "Master Tall from Tall Lycke village is tall—a tall man's tall son."

In 1703 Stenbrohult parish had 206 inhabitants but, by 1729, the local population had increased to 578. Local authority was embodied in the rector, who kept the parish records of births and deaths, went to people's homes to make sure that they knew their catechism, and would advise in day-to-day matters. People understood their country in the terms of the Protestant exposition of the relationship between the state, the working people, and the church; this text was printed and distributed with hymnbooks and catechisms. Its fundamental thesis was Luther's teaching about the three hierarchies or estates: church, political establishment, and household. These three entities were also defined respectively as the learned, exploitative, and nourishing estates, and their roles illustrated by a dozen short passages from the Bible.

Nils was a practical man, well able to restore the decaying parish church and keep the rectory in good repair. He was a man of learning but also a farmer who knew how to speak to other farmers. The parish supported their rector generously and helped him to construct a morgue and an ossuary near the church, and also to restore the rectory after a fire.

THE GUARDIAN TREE [21]

The rector paid for guest rooms, farm laborers' quarters, and a bathhouse. Everyone was forthright and trusting, the old soldiers as well as other villagers. What was said of the farmer Åke Kvick in Råshult was more or less generally true: "Well versed in the Bible, a patient man who never let the world weigh on his spirit."

Linnaeus writes in *Spolia Botanica*: "Stenbrohult is a parish found some 30 miles from Wexiö, toward the border with Skåne in the municipality of Allbo, and which, compared with all other places, in appearance is like a queen among sisters; preferred to others even in the location of rare and wondrous herbs not often to be seen elsewhere in the country. Indeed, the very rectory here is as if adorned by Flora herself; I would doubt if any space in the whole world could present itself more pleasantly. Surely it is not strange that I have reason to lament along with the poet: 'Nescio qua natale solum dulcedine cunctos / ducit et immemores non sinit esse sui'" (Our native land charms us with inexpressible sweetness and never allows us to forget that we belong to it).⁷

Much later, when Linnaeus reluctantly agrees to describe landscapes, he declares that he is like a lynx abroad but a mole at home, and knows more about "what is produced by Virginia in America, Cap de Bonne Sperence in Africa, and Zeylon in the East Indies, than in my own native land which I left before I had properly woken and rubbed the sleep from my eyes."

He had hardly seen more than Stenbrohult, the village where he was born, and Växjö, the city where he went to school. He had left these places before reaching adulthood and had, ever since, hardly seen more of any one place than a wandering goose in its flight—a migratory bird. "What I saw in my youth, or through the eyes of old Cubae or of Arfvid Månsson Rydaholm, I still recall as if it were a dream and, now, it is all I can speak about." He goes on, however, to describe uplands and high hills, forests, meadows, fields, marshes, and lakeshores before getting around to the plants, the animals, and the minerals—in fact, he turns out to be a man with an excellent memory. Far from being a blind mole, he was a lynx also in the forests of his childhood.

Göran Wahlenberg, a colleague of a later generation, provides an explanation of Linnaeus's scientific approach in the 1822 issue of the yearbook *Svea*, based on what he believes was a natural kind of cultural simplicity. "A beautiful and solitary situation, in a setting of low hills pierced by many streams and cloaked in vigorous birch woods. The scarcity that affected Linné in his first youth here appears in its way to have made him stay close to his natural surroundings, indeed to unite his lively spirit with them and thus develop in him that natural sensibility, which to

[22] CHAPTER ONE

such a great extent nourishes the imagination and so becomes a source of the finest qualities."

In other words, Råshult and Stenbrohult were the right places to foster qualities such as characterized Linnaeus the man. Wahlenberg develops his theme and argues that the long, low ridge that runs through Uppsala has helped to change the university town into a source of creativity—of the "imaginative power" so cherished by the Romantics. Linnaeus would later admit that his home "appeared as if adorned by Flora herself. Here I have with my mother's milk been infused by the shapes of a multitude of plants."9 When he grew up, the enclosures were still in the future, and the village was surrounded by woodland meadows, a form of cultivation typical of southern Sweden. Species diversity is an outstanding characteristic of these hay meadows, and in Stenbrohult they were "richer in tree canopies and fuller of flowers than in any other province. . . . When you sit there in summertime, hearing the song of the cuccu and also songs of many other birds as well as the piping and humming of insects, and you see the bright and splendidly colored flowers, you cannot but be astounded at so excellent a creation." Where the Taxas ridge enters Lake Möckeln, the views from the top of the steep rock face leave you with a sense of a great and spacious world.

Impressions of the landscape's striking natural beauty were instilled in Linnaeus from childhood. He had learned to recognize all the flowering plants around Stenbrohult: viper's grass, common milkwort, quaking grass, yellow rattle, heath spotted orchid, wolf's bane—the poetry of the names alone was wonderful. The church and the rectory stood in the middle of the village. The rectory had a garden and an avenue ending at a circular drive in front of the main house. The guardian tree grew next to the house, and behind it stretched a kitchen garden and a somewhat wild "pleasure park." These were quite large cultivated areas looked after by hired workers rather than the pastor himself. The practices and layout followed ancient patterns, perhaps going back to monastery gardens. Most of the inspection records reflect such traditions, including cabbage patches, hops cages, and ponds stocked with Crucian carp. At Råshult, they had an unusually well laid-out cabbage plot as well as an herb garden and several hop cages—hops for brewing the dark local beer. In his *Travels on Öland*, Linnaeus describes the garden of his childhood home: "It had many more species of plants that any other garden in Småland had and did with my mother's milk inflame my spirit with an unquenchable love of plants."

The rectories around the lake formed part of a distinctive culture. The inhabitants were related, and shared interests and tasks. The care taken

THE GUARDIAN TREE [23]

of gardens and plants is documented; one of the clerics actually owned *De plantis* (1583) by Andrea Cesalpino, the great Italian botanist. ¹¹ Families, neighbors, and at least some members of the local gentry bonded with each other by being godparents when children were christened—as was carefully noted down.

Rectory kitchen gardens were "sermons made real." Clergy who traveled abroad brought back ideas and plants—lilacs, for example, and herb gardens and arbors. We know about the gardens at Råshult from Samuel's letters and later from Linnaeus's *Adonis stenbrohultensis* (1732), in which the plants were already ordered by their sex.

His father, Nils, was impressively knowledgeable about plants. Carl was barely four years old when, one afternoon when house guests were resting on the grass, Nils held forth about Latin plant names: "The little one found listening to this a heart's delight. Ever since, the lad would give the Father no peace." Once, he had forgotten a name and was scolded by his father, but "since that moment, the boy's entire will and thought was to remember the names and never cause his father displeasure." 12

Nils had an interest in botany that went well beyond even what might be expected. Linnaeus writes: "How come the boy fell in love with Flora I do not know. What I do know is that his Father had always loved the company of plants." As a student in Lund, Nils had learned the Latin nomenclature of plants, and collected and pressed some fifty specimens. Linnaeus continues: "It was known that when the boy was troubled and could be soothed in no other way, he would soon fall quiet the moment he was given a flower to hold. This, what I believe to be his innate delight, was heightened when the boy listened to his Father speaking of some characteristic of a plant that seemed noteworthy." Young Carl was given "a garden *en migneateur*, where in a small space he grew samples of all that was found in the garden." 13

Samuel Linnaeus comments in his letters on his father's keenness for gardening and how it captivated his older brother. He also describes how Nils went about planting: "In this garden, my dear departed father had with his own hands created a round, elevated area like a *table* around which plots with herbs and shrubs represented the guests, and groups of flowers, the dishes served on the table. Our mother often went to see it: this was at the time when my brother was conceived." The layout was recreated in 1982, the round table "set" with wild thyme, sweet William, lavender, feverfew, and musk mallow

Samuel tells another story about Carl at play with his siblings during school holidays: "At the slightest suggestion of someone's ailment he would

[24] CHAPTER ONE



FIGURE 4. The young Linnaeus? Unknown artist, oil painting in the art collection of the Småland Museum, Växjö.

palpate the sufferer's pulse, make as if to use a thumb lancet of wood (for bloodletting), and search for herbs with which to cure his sisters." ¹⁴ As a boy, Linnaeus played at medicine and, by his own system, he was then at the third age of life "when, by running hither and thither in constant preoccupation, the child practices his body incessantly, day after day"—as he would later describe it. ¹⁵

THE GUARDIAN TREE [25]

How does an interest start? How does it become an obsession? Linnaeus speaks of a vision: "I was ill in 1718 from winter until Whitsun, then came out into the greenery which appeared to be not of this world but of Paradise." Then:

I believe there are persons who, when stepping outside, see the ground in front of them as green with some other colors, the cloud he sees like shadows and the sun like a bright disc, so enthralled is he by economic, political, fanatical, arrogant, lustful, mercenary, vengeful, etc. concerns and impulses that he cannot see further into what comforts our Creator has provided and placed us in the midst of. . . . I admit in my own case, one summer in my youth when ill with a strong fever, I did not look at nature from medium Martii until Juli and then, when I was allowed outside, I saw the world in a very much changed manner, different from before and all spread out in front of me, being so high, so beautiful. . . . Then consider Adam and Eve: perfectly made, in their finest, most healthful flourishing, free of prejudices, and so shown hills and green valleys with rivers running wherever the most temperate weather might be (in *Mesopotamiae terras* or *alibi*), everywhere clad in grass, plants, trees, all green and also with every kind of flower of great loveliness, divers form and coleur, animals who run about, birds on the wing flit through the air, singing and calling, fishes silently wander in the pellucid river gently flowing forth, insects seated on flowers and trees like small jewels, wings shimmering like a pocader, everything together in migniatyr, then would it not be the proper moment to admire the Creator as if only then had they been given eyes to see with and in their joy could not decide where to turn to see more, to observe sun and moon, stars, sky, and wander in the night. As their ears hear the murmuring of the weather, the sounds of animals and songs of the birds, would they not easily mingle with many.¹⁷

The Fall from Grace awaits . . .

Linnaeus came home to Stenbrohult to visit in the summer of 1728 and at Christmas in 1731 and 1732. In spring 1735, he stops by on his way to Holland and stays from 19 March to 15 April. All his siblings are there, and his old father: "Mother missing as she had died since one was last at home. House in confusion." On 15 April: "Finally, after a month of staying at home, one must *valedict* one's sweet *natale* Stenbrohult with one's *Patre* in his sixties and 4 siblings. My elderly father commended his *Biblioteque* and also my youngest sister to my protection should a fatality

[26] CHAPTER ONE

come to afflict him."¹⁹ Linnaeus returned for a few weeks in the summer of 1738, again in 1741 on his journey to Öland, and in May 1749 on his way to Skåne. It adds up to about eight visits, surely evidence of what he calls his *nostalgia*.

When he visited in 1749, his father had died and the rectory had burned down. He wrote: "Here, I found the birds dead, the nest burned, and the young ones dispersed. I could hardly recognize the room where I had myself been hatched and felt as if present at *campum*, *ubi olim Troja* [the field where once stood Troy], the place where my dear departed father the rector Nils Linnaeus planted his garden that formerly glowed with the finest plants in Sweden but was utterly destroyed by fast flames before time took him away on 12 May of the past year. The pleasures of my youth, the rarest plants once growing wild in this location had not yet emerged. I, who 20 years ago knew every person in the parish, could hardly find 20 of them now; those who were stout lads in my youth had gray hair and white beards, their lives were done and a new world had taken the place of the old."

This passage bears witness to his sense of alienation. Linnaeus had been born in an impoverished country where little was thrown away. Hordes of starving, homeless people drifted along the roads in the years when the harvest failed. Nowadays, visualizing such scenes makes us uneasy; they are very different from the glamour we believe characterized the last half of the eighteenth century.

Linnaeus tells us of his own poverty: "He could lie awake all night as he lacked the money for evening meals when he was a student." He had to "incur debt to afford food, had no coins to have mended the soles on his shoes but must walk with his bare foot on some paper that he put inside the shoe." Later, he would try the natural foods eaten by the Sami as well as share sumptuous meals in the homes of the wealthy but still find his years of hardship difficult to forget. In *Nemesis divina*, his book of exemplars, Linnaeus shows compassion for the poor, as in this example: "The poor farmer labors all year, has barely the straw to rest on, and is paid but little; *sic vos, non vobis* [thus you work but not for yourselves]. Consider the poor slave, at work while you sleep. You would say of him, he ploughs my field, it is my farm and I decide. I tell you: nothing is yours. God has lent you all."

In such times, a healthy child might well be the best insurance and old age pension. The injunction to "be fruitful and multiply" was taken seriously not least by the reverend clergy. It went without saying that Linnaeus had siblings. In 1730 his eldest sister, Anna Maria, married *magister* Gabriel Höök, appointed rector in Virestad in 1742. Her son Sven Niklas

THE GUARDIAN TREE [27]

painted a group portrait of Linnaeus's only son Carl and his sisters. In 1749 the next eldest sister, Sophia Juliana, married *magister* Johannes Collin, pastor in Ryssby. Both women gave birth to a dozen children. Once widowed, Sophia was destined to live in poverty, and Linnaeus pleaded with the diocese on her behalf. Her daughter Anna Sophia married *magister* David Widegren, also rector in Ryssby. Carl's younger brother Samuel (born 1718) studied in Lund, where his doctoral thesis was supervised by Sven Lagerbring, professor of history. He fathered twelve children, of whom only three reached adulthood: two daughters who married into the clergy and a son, Carl Samuel, born 1778. The boy had made Stenbrohult the subject of his doctoral thesis in Lund but died at the age of twenty-two. Carl's youngest sister, Emerentia (born 1723), married in 1749 to the clerk to the local authority, a Mr. Branting from Virestad. This overview indicates the social circles of country clergy.

In deepest Småland, spirits roam and can be glimpsed in the moonlight: "In Stenbrohult, when the moon shone at night, everyone could see three dancing white-clad ghosts, around three musket shots away. I denied their existence and laughed at those who believed therein but they promised to show me. One evening, when Dr. Rothman, the local judge, was present, a farmhand came with the message: 'Now they are dancing.' We went outside and saw them with our very own eyes. Then Rothman took me and my father to the place where a boulder striped with white moss seemed to shift in the moonlight." Later, he wrote self-confidently that "Spectra are seen in Smoland every night. . . . I believe there are as many in the world as there are in just Smoland." Rothman and Nils and Carl Linnaeus undeniably come across as a trio of enlightened men in a dark place. ²¹ Even so, Linnaeus was always uncertain about the validity of many popular beliefs.

Linnaeus insists on the importance of birthplace. Rather than an astrologist, he is a "topologist." He would instruct his students under the subject line *Solum natale* that your health is always at its best in the place of your birth and where you were brought up because you are used to the air. Migratory birds, returning in spring to their native homes, are examples of this principle. "In this context, an illness called *nostalgia* [homesickness] is found, which principally causes the sufferer to be weak, anxious, *cacheticus* [cachexia, a wasting syndrome] and look as though having contracted pneumonia." Swedes have found that traveling to Holland can bring on this condition: "The symptoms afflicted also *regius medicus* [royal physician] Linnaeus when he was in Holland and contracted the ague before he left the place where he stayed and arrived at

[28] CHAPTER ONE

the sandy heathlands of Brabant where the air was clean and, on that day, he was well again." Linnaeus has another example at hand: an Inuit girl from Greenland who lived briefly with the late queen of Sweden [Ulrika Eleonora the Younger]. He observes that no *Lapp* living high on a hill is a *melancholicus*, but the opposite is the case with those who live in forests. The place where you live and the air you breathe are critically important, and it follows that homesickness is very strongly felt by people born at high altitudes who have ended up living in lowland areas, for instance Swiss people in Holland.

Linnaeus also stressed that inheritance matters, for instance to be conceived by healthy parents, and points to himself as living evidence. True, his temperament at least was very different from that of his placid father, who was content to live quietly in his own small world. Linnaeus was perhaps more like his mother, with her "quick" mind.

When he died at the age of seventy-four, Nils Linnaeus was celebrated in learned journals for his beautiful garden but above all for instilling a ceaselessly active mind in his eldest son. Fredrik Hasselquist, a naturalist who had traveled widely, writes in praise of the son as much as of the father: "His son sprung from his root / and brought his country honor; as Nature's spokesman he stood out / peerless in the Nordic lands." ²²

What were Linnaeus's thoughts about childhood, his own and more generally? He insisted that babies should continue to suckle mother's milk for a few years because he saw it as important on moral and practical as well as medical grounds. Worm infestations can follow drinking cow's milk but not mother's milk. The baby consumes milk at will, without forcing, and the mother need not chew the food for her little one. A child must never be deprived of rest and sufficient sleep; for boys, he recommended sleeping twelve hours out of every twenty-four. Parents often urge their children on: "[They] think it will give their children quicker minds, but instead of catching fish they get frogs. . . . Is it not so that every day you can observe the children of the wealthy families who, from the age of 4 years until they are 24, have been made to study and tutored daily whereas the poor farmer's son who begins with books 10 years later, has come much further in his studies and also in his *ingenio* although having taken the same length of time while the other's youth had passed in silence."²³ The physical effects are dire, too: "To force the children to sit all day over the books in scholis distresses them and makes them smaller and thinner."24

He summarizes: "All that is done to bring up a child is directed toward this: to teach them good habits." On the other hand: "Habits are of the Devil. God help whoever has been given a bad habit. . . . As when children

THE GUARDIAN TREE [29]

are told to fear the villain who lurks in the darkness beyond the windowpane so that they must not step outside at night and must be quiet. . . . As for me, I did not dare go outside alone until my twentieth year and, in some places, I shudder even though I know better. . . . *Caveat hinc* [beware here]: If you instill a belief in a child, it will stay in his mind for far too long a time." ²⁵

What were the factors that contributed to shaping the young Linnaeus? He grew up in a rural-agrarian Sweden, in a Lutheran pastor's home, and experienced its natural surroundings, but also in wartime, with all its consequences of poverty, pestilence, and a high mortality rate. Oscar Levertin, who has written a classical account of Linnaeus's childhood, ends with the following passage: "On one of the innumerable pieces of paper on which, in his high old age, he noted down his solitary thoughts, is written in the shaking, perhaps stroke-troubled hand of an old man, a single word under the heading *Nostalgia*: Stenbrohult." True, Linnaeus discussed *nostalgia* in his large manuscript on dietetics and also in his taxonomy of illnesses. We know that, for him, childhood is bathed in a blessed light. As for that "piece of paper," no one except Levertin has ever seen it.

The image of Linnaeus as a child is an integral part of the cult of the man. As the "child of nature," he gained by instruction in natural learning of a kind approved by Rousseau. He was, by definition, a child of nature, and his authenticity implies that he shared ancient wisdom and natural religiosity. Even as an adult, he was thought naïve, innocent, and, hence, charming. There are risks, though, when you gild a childhood like his—especially as he himself was lending a helping hand.

INDEX

"About the Necessity of Investigative Journeys in Our Native Country," 154 About the way to become together (Om sättet att tillhopa gå), 250-51 Academia, 223-24 Academia Naturae Curiosorum, 306 Académie des sciences (Paris), 118, 135 Academy of Sciences: application to, 131; censor for, 332; competition to find the best ways of fighting infestations in fruit trees, 307; contacts with Ekeblad de la Gardie, 165; founding of, 77-78; Gregorian calendar, adoption of, 149; illustrators working under the aegis of, 241; Kalm's journey to America supported by, 276; Latin-based approach idealized by, 417n30; Linnaeus's proposal of membership for Swedenborg, 361; membership in, 232, 327; motto of, 76, 243; origin of, 134-37, 147; questions about the country, publication of memorandum with, 158; revision of Fauna Svecica, proposal for, 183; role in Swedish education, 314; Skåne, eagerness to see, 168; Swedish language and, 177, 239; the Tärnström case and, 277; thermometer purchased from, 197; translation of works in Latin, 182-83; yearly scientific mission abroad, 272-73 Acharius, Erik, 242, 406 Acrel, Olof af, 373 Acrel (or Acrell), Johan Gustaf: descriptions of Linnaeus, 4-5, 382; on Linnaeus as a lecturer, 208-9, 229; on Linnaeus leading his students in outdoor excursions, 204; on Linnaeus's authorship of disputations, 225; mixing of rabbit and hen, observation of, 343; text on journey to Lapland, reading of, 419n28 Adanson, Michel, 341, 404-6 Adolf Fredrik (king of Sweden), 177, 332 Adonis stenbrohultensis, 23 Adonis Uplandicus, 53

Adorno, Theodor, 433 Afzelius, Adam, 275, 325, 388, 392-93, 406 Agamben, Giorgio, 429n1 Agardh, Carl Adolph, 406 aging: description of, 380-82; descriptions of Linnaeus, 387-88; dulling of senses, 345, 355; Linnaeus's mind and, 363, 433; Linnaeus's self-perception of, 385-86; sources on Linnaeus, 435; the transformation of the body and, 381-82; the young versus the old Linnaeus, 359 Ährling, Ewald, 192, 234, 277, 438-39 Åkerman, Anders/Andreas, 149, 271-72, 295 Akrell, Fredrik, 319 Albinus, Bernhard Siegfried, 103, 109, 356 Aldrovandi, Ulisse, 41-42, 125 Alexander the Great, 84 Almqvist, C.J.L., 406, 408 Alströmer, Claes, 290 Alströmer, Jonas, 135 Amoenitates academicae (Academic Amusements), 224-25 amphibians, 337. See also frogs anatomy, 47, 212, 222 Andersen, Hans Christian, 6 Anderson, Johann, 107 Andromeda caerulea, 70 Animalia composita, 286 Animalia per Sveciam observata, 54 animals: apes, 294-95; birds (see birds); compassion for, 260-61; earthworms, 40; frogs (see frogs); human beings as, 83; hybridization in the natural system for, 343; learning from, 84-85; moral sense of, 201; natural system for ordering, 342; opossum, slipper-eating, 431n4; pets (see pets); plants and, distinction between, 286; souls of, 370; at the Uppsala garden, 199-200. See also Fauna Svecica Annerstedt, Claes, 197, 439 Anthropomorpha, 294-95 ants: "Notes on the Practices of Ants,"

137, 140

[460] INDEX

apes, 294-95 "apparent death," 36-37 appearance of Linnaeus. See descriptions aristocracy, contempt for, 86 Aristotle, 33-34, 56, 121, 282, 392 Armfelt, Ulrika Charlotta, 360 Arndt, Johann, 56, 365 Artedi (Arctedius), Petrus: advice about places to stop for the night on the coastal road, 64; death of, 114-15, 231; influence on Linnaeus, speculation about, 124; low profile of, 58-59; method in ichthyology worked out by, 121; the siren included in work by, 128; the unicorn/ narwhal identified as Monodon by, 124 atheism, accusation of, 343-44, 365-66 Auctores botanici, 246 Augustine, Saint, 427n1 Aurivillius, Samuel, 332, 371, 396 autobiographies of Linnaeus, 2-4, 437 awards. See honors

Bach, Johann Sebastian, 11, 368-69 Bäck, Abraham: background and life of, 328; biographer, consideration as, 437; on Clifford and the conflict between Linnaeus and Cramer, 116-17; collaboration with Linnaeus, 111, 222, 234, 281, 285-86, 328; corals, question of, 285; correspondence with Linnaeus, 157, 177, 198, 202-3, 230-33, 240-41, 285, 312-15, 317-18, 330, 333, 341, 348, 356-57, 381, 386, 389, 433119, 4331126; correspondence with Linnaeus Jr., 396; correspondence with Rosén, 329; diary entries about Holland, 109; donation for foreign explorations, 276; on the friendship between Artedi and Linnaeus, 58; friendship with, 2-3, 109, 328-30, 348, 387; Holland, diary entries about, 109; on the improbability of seeing Linnaeus's correspondence in print, 437; on Linnaeus after his death, 247, 387; Linnaeus as part of the new generation in science, 131; Linnaeus's autobiography, delivering the text of, 2-3; on Linnaeus's collaboration with God, 305-6; Linnaeus's death and, 389; Linnaeus's moaning about becoming a courtier, 335; on Linnaeus's offering of alms to starving persons, 265; on Linnaeus's sorrow

over the loss of disciples abroad, 277; on Linnaeus's writing style, 177-78; on the purity of Linnaeus's religious faith, 372; residence in Stockholm, 330; translation of Latin works into Swedish, proposal for, 182; tribute to Linnaeus, 3; warning to not mention trip to Stockholm to his wife, 193 Bäck, Anna Charlotta, 329 Bäck, Carl Abraham, 329-31 Backman, Johan, 46, 197, 216 Bacon, Francis, 56, 60, 83, 254, 361 bacteria, 340 Bagge, Peter, 267 bananas, 268-69 Banks, Joseph: correspondence with Mrs. Solander, 399; hostility to Linnaeus, 387-88, 399; Linnaeus Jr. and, 396; painting of, 397; reports from Cook's explorations, source of, 340; on Solander's work habits, 229; study of Linnaeus's works by, 404 Bartsch, Johann, 111-12, 116, 277 Bassaport, Madeleine, 118 Bataille, Georges, 373 Bauhin, Caspar, 41, 50, 201 beard(s), 87, 104, 131, 300, 382 Beckmann, Johann: conversations with Linnaeus, 382-83; description of Linnaeus, 2, 131, 382; description of Sara Lisa, 399; description of the Uppsala fire, 319; at Hammarby, 323-24; Linnaeus's ideas about electricity, peculiarity of, 353; on the plants named for Browallius, 235; on the relations between Carl Jr. and his mother, 394; religion, Linnaeus and, 370; Tagebuch, 440 Bedoire, Frans, 199 Bellman, Carl Michael, 263 Bengtsson, Frans G., 408, 410 Bentham, Jeremy, 404 Benzelia, Greta, 51, 185 Benzelius, Erik, 51 Benzelius, Mathias, 159 Benzelstierna, Gustaf, 172 Berch, Anders, 147, 249, 316, 395 Berch, Anders, Jr., 249-50, 395 Berch, Christer, 152 Bergencrantz, Carl Fredrik, 234, 392, 401 Bergh, Sven Richard, 408 Bergius, Bengt, 220, 332

INDEX [461]

Bergius, Peter Jonas, 332, 396 birds: classification of, 59-60; dissection Berglund, Karin, 408 of, 214; drawings of, 42, 49; migratory, Berglund, Kerstin, 442 27; pelican, old tale about, 124; as pets, Bergman, Torbern: as an anti-Linnaean, 199-200; short-eared owl, drawing 332; faculty at Uppsala, member of, of, 67; song of, 22, 25, 104, 260-62; 148; on the judge's bench at Uppsala, stuffed in Linnaeus's collection, 50; 316; letter to Wargentin on the elderly swallows spend winter underwater, Linnaeus's condition, 387; Linnaeus Jr. belief that, 128; in Sweden, 154; work and, 396; lover of natural history, on classifying, 59-60 described as, 236; Physisk beskrifning birth/birthplace, 17-18, 20, 27-28 öfwer jordklotet (Physical description Biurman, Georg, 160 Björck, Henrik, 410 of the earth), 271-72; prize from the Academy of Sciences, winner of, 307 Björk, Eric, 137 Bergquist, Carl, 241 Björk, Sanne, 443 Berlin, Andreas, 277 Björk, Tobias, 117 Björnståhl, Jacob Jonas, 244, 275, 403 Bernigeroth, Martin, 261 Beronius, Magnus Olai (archbishop of Blackburne, Anna, 246 Uppsala), 3, 390, 437 black henbane, curious effects of, 34 Bible, the: absence of in Linnaeus's library, Blackwell, Elisabeth, 246 366; authority of in Stenbrohult parish Blake, William, 6 of Linnaeus's youth, 20-21; bananas, Blom, Carl Magnus, 286 Blunt, Wilfrid, 79, 242, 442 as a presumed source of information about, 268; botany of, 369; "consider Boerhaave, Herman: dislike of Linnaeus, 112; the lilies" in, 34; final words of Diaeta in the first rank of students of nature, Naturalis and, 374; geography, as a 392; as an iatrochemist, 213; illness source on, 271; Linnaeus quoting/ of and farewell to, 113; Institutiones frequent references to, 215, 366; Linmedica, 57; as learned celebrity from naeus's faith in the words of, 359, 363; Holland, 103; meeting, 111-12; notice of Linnaeus's science and, 368-70; Lin-Linnaeus by, 47; as a patron/supporter, naeus's use of in "On the Growth of 111-12, 141; portrait of in Linnaeus's Habitable Parts of the Earth," 154-56; grand salon, 235; publication of Linnaeus's writing style influenced by, Swammerdam's work supported by, 366 177; misuse of words from, warning Boëthius, Jacob, 87 about, 254; the study of nature and, bog rosemary (Andromeda polifolia), 366-70. See also Creator/Creation/role description of, 69-71 of God; religion Böhme, Jakob, 35 Bible Commission, 370-71 Bontius, Jacobus, 126 biblical philology, 369 books: hiding the books at Uppsala from Bielke, Sten Carl, 135, 181, 268, 327 the Russians, 45; illustrations and binomial nomenclature, 8, 129, 226, 255, drawings in, 241-44; library borrowing 291-92 while at Lund, 41-42; Linnaeus's biographies of Linnaeus, 438-42 library while a student at Uppsala, biology: creation of the concept of, 406; 57-58; literary works provided by Nils Linnaeus, 33-34; medical texts, double name convention introduced into, 291; ethnobiology, notes on from Linnaeus's library of, 56; number of Lapland journey, 65; recognition of written by Linnaeus, 238; publication "hybrid" as classic moment in the history of (see publication/publishing); reviews, of, 284; sexual system of, 247, 250; 245; Stobæus's library, 39-41; target significance of Systema Naturae for, readership of Linnaeus's, 245; texts 119; taxonomic base of, 346 (see also owned while a grammar student, 33-34 taxonomy project) Börtz, Daniel, 373

[462] INDEX

Boström, Christopher Jacob, 363 botany: Book of Herbs kept while at school, 1725-1727, 34-35; definition of, 255-56; "herbations" as excursions focused on, 203-6; introduction to, 97; irritation at restructuring of plant nomenclature by Linnaeus, 129; lectures on, 134; Linnaeus's approach to teaching, 410; Linnaeus's reputation as a student at Uppsala in, 49; medicine and, 220; Nils Linnaeus's interest in, 23; as the people's science, 245; taxonomy (see taxonomy project); teaching, concerns about, 408, 410; women attracted to, 245-46. See also reproduction Boyle, Robert, 372 Brandes, Jan, 278 Braw, Monica, 443 Bredberg, Sven, 108 Brefoch Skrifwelser (Letters and Writings), Broberg, Lars, 199, 376 Brodersonia, Christina, 18 Bromelius, Olaus (or Olof), 34, 181, 292 Bromell, Magnus von, 242 Browallius, Carl Fredrik Andreas, 54-55, 95-96, 100 Browallius, Johan: academy membership, Linnaeus's support for, 136; as biographer, 437; bishopric, appointment to, 367; correspondence with, 104; Dalarna, journey to, 93, 101; description of Linnaeus's room in Rudbeck's estate, 59; destruction by fire of letters to, 233; ghost writing for Linnaeus, 96-97; as go-between for Linnaeus and Sara Lisa, 98–99; on the intellectual status of Linnaeus, 119; as "Joseph" in Nemesis divina, 375; "Journey in Dalarna," plans to publish, 101; Lapland, journey to, 80-81; naming of plants for, 235; as part of the new

Brown, W.J.S., 397 Brusewitz, Gunnar, 408 Bruyset, Jean Marie, 342 Bryk, Felix, 242, 251–52 Bryson, Bill, 248

generation in science, 131; political

flirtation with, 99-100, 117, 132, 375;

Siegesbeck, conflict with, 100

beliefs held by, 132; Sara Lisa Moraea,

Buffon, Georges-Louis Leclerc, Comte de, 283–85, 396, 404–5 Burman, Johannes, 112, 404 Burser, Joachim, 201 Busser, Johan Benedict, 147, 150 "buttonology," 406 Byström, Niklas, 402

Cain, Arthur, 441 Cajanus, Daniel, 20 Cajanus, Gustaf, 208 cameralism, 269 Camerarius, Rudolf Jakob, 54 Camper, Peter, 405 Caps, the, 31, 132, 141, 192, 265, 312-13 Carlander, Christofer, 391 Carl Linnaeus Notebook, 34 Carlsdotter, Stina, 315–16 cataloging, method of, 340 celebrity, faked interviews and, 383 Celsius, Anders: as colleague, 111; cover illustration for Arithmetica, or the Art of Counting, 151; French expedition to the north, participant in, 61, 64; on his deathbed quip about the possibility of eternal life, 148-49; as inspector at Uppsala, 310; nephew of Olof, 47; as part of the new generation in science, 131; ranking of candidates for professorial chairs at Uppsala, 141; reduction in water levels following the Flood, observation of, 156; support for Linnaeus's expedition to Lapland, 64; on teaching of medicine at Uppsala, 49; thermometer, manufacture of, 197; as the university's most brightly shining light, 152 Celsius, Olof: "Captain," playful designation as, 306; correspondence with, 116-17, 129; on Flora Lapponica, 65; Flora uplandica, 181; friendship with, 47; Hierobotanicon, 369; lodgings for Linnaeus, assistance in finding, 59; Praeludia dedicated to, 53; ranking of candidates for professorial chairs at Uppsala, 141; on the sexual relationship of plants, 54; species of local flora, figure

Celsius family, 44 censorship, 130, 171–73 Cesalpino, Andrea, 23

for, 204; theology examination required for study abroad, examiner for, 103

INDEX [463]

Cesnecopherus, Johannes, 213 Charles XII (king of Sweden), 18, 30, 131, 305 childhood: biographers on, 414n1; Book of Herbs kept while at school, 1725-1727, 34-35; education (see education); grammar school, 30-33; Linnaeus's thoughts about, 28-29; medicine, playing at, 23-24; plants, interest in, 23, 25; religion, 365; Stenbrohult, growing up in, 22-24, 29 Christensen, Mogens, 443 Christina (queen of Sweden), 160, 219, 272 Cicero, 219, 331 Classes Plantarum, 111, 129, 341 classification: of birds, 59-60; of illnesses, 221-22, 353, 355-56; of mammals (Mammalia), 210, 280; of man (Homo sapiens), 254; of minerals, 96-97; of nature, systematic (see Systema Naturae; taxonomy project); of plants according to their "medical powers," 355; sexual system of, 59, 123, 128, 130, 137 (see also sex) Clavis Medicinae Duplex, 11, 346-53, 356-58 Clerck, Carl, 232, 242-43 Clewberg, Carl, 92 Clifford, George: apes in the vivaria of, 294; dedication of Hortus Cliffortianus to, 113-14; favorite of, competition for, 116-17; irritation at restructuring of plant nomenclature by Linnaeus, 129; Linnaeus as garden manager for, 112-13, 198; London trip for Linnaeus, paying for, 117; staying with, 99, 114, 116, 118, 324 climate: dietetics, included in, 213; foreign plants and, 267-68; Gothic understanding of, 417n31; interconnectivity and interdependencies in nature and, 258; lives of men shaped by, 84, 86-87, 132, 297; of the mountains, 75, 78; zones of, 87, 155 Colden, Jane, 246 collections/collecting: compulsive/obsessional, 5, 202; compulsory in the senior school, 408; devoted list-maker and orderly hoarder, 178; fate of following death of Linnaeus, 401; insects, 5, 35, 50; maintaining the university and

royal, 202-3; minerals, 92; plants, 35;

popularity of, 201-2

Collegium Medicum, 353 Collin, Johannes, 27 Collinson, Peter, 404 continuity: in Darwin, 283; derivation of concept of, 281; fascination with, 282; of life, letter about, 288; of life, marrow providing, 350; of life, sentence summing up aspects of ideas on, 351; in a map model of the orders, 341; in nature, aphorism on, 439; in nature, the egg as symbol of, 123 Cook, James, 340 Corallia baltica, 285 corals: animal-plant boundaries and, 282-83; as animals, development of understanding of, 285; classification of, 290; collection of, 328, 401 Cornelius Agrippa, 56–57 Cornelius Nepos, 33 correspondence/letters: conditions of professional, 234; from the family, 233; of introduction, 234; number of correspondents, 233; professional networks via, 232-33; publishing, 233-34, 437-38. See also Bäck, Abraham, correspondence with Linnaeus; Mennander, Carl Fredrik, correspondence with; Roberg, Lars, correspondence with; Salvius, Lars, correspondence with; Sauvages de Lacroix, François Boissier de, correspondence with; Stobæus, Kilian, correspondence with; Tessin, Carl Gustaf, correspondence with; Wargentin, Per Wilhelm, correspondence with God and, 371; Eve, Linnaeus on the

Cosmographical Society, 271 Creator/Creation/role of God: electricity, creation of, 370-71; Genesis as the starting point for Linnaeus's thought/ work, 121, 154-56, 281, 367-68; on God's judgment, 374-75 (see also Nemesis divina (Divine retribution); God's plan for the world is sensible and straightforward, 349-50; hybridization and the laws of nature, 342-44; "know thyself" means realizing that you are the aim of Creation, 299; nature and, union of, 365; perfection of and science, difficulty of reconciling, 338. See also Bible, the; religion Crichton, Alexander, 5

[464] INDEX

crickets, 164, 324–25

Critica Botanica, 129, 296–97

Cronhielm, Gustaf, 83, 91, 101

Cui bono?, 255, 274, 279

culture: as a factor shaping the lives of men, 84–86; natural form of medicine and, 82–83; nature and, combinations of, 260; nature and, opposition of, 87, 257; Sami, ruining, 78; Sara Lisa as lacking in, 324, 400; Swedish, 15, 406; variants of species created by, 121

Curiositas naturalis, 367

curiosity, 253–55, 427n1

"Curious Features of Insects," 153–54, 177–78, 259–60, 299

Dahle, Lars, 94
Dalarna, journey to: account of, 93–97;
availability of the account of, 173; commission for, 92; entertainment breaks during, 97–99; personnel for the expedition, 92–93; praise of, 95–96
Dalarna resa, 173–74

Dali, Salvador, 5 Dalin (later Dahlin), Olof von, 107, 132–33, 177, 203, 327

Darwin, Charles: creation of coral reefs, first to explain, 225; Down, comparison of Hammarby to, 320; earthworms, fascination with, 40; journey on *The Beagle*, 81; Linnaeus, comparison with, 404; Linnaeus as inspiration for, 259, 283–84; marriage, thoughts on, 189; methods of, concept of "biology" and, 406; "nature doesn't jump," reference to, 283; questions of Creation, approach to, 368

Darwin, Erasmus, 248, 404, 443
data management, 229–30
death: burial spot, 1; causes of, 389–90;
dream on the night of Linnaeus's, 392;
fate of collections following, 401; the
funeral, 392–93; funeral instructions,
390–91; instructions for managing,
examples of, 391; interest of Banks and
Solander in Linnaeus's, 387–88, 399; of
Linnaeus, 388–89; self-perception as
close to, 382; the will, 392, 394
De curiositate naturali, 230, 253–54

De effectu et cura, 349

defining by exclusion, practice of, 210 De Geer, Charles, 242, 281, 327 De inebriantia, 352 De la Gardie, Catharina Charlotte, 246 De la Gardie, Eva Ekeblad, 165, 246 Deliciae Naturae, 216, 246 De Peloria, 284 depression, 230-31 Derham, William, 366 Descartes, René, 57, 119, 254, 257, 362 descriptions of Linnaeus: by Acrel, 4-5, 382; appreciation from a professor of literature, 1; by Bäck, 3; by Beckmann, 2, 131, 382; eyes described by Fabricius, 384; by Frondin, 4; by Queen Lovisa Ulrika, 333; as an older man, 382, 387-88; by Rothman, 4; self-portraits and self-praise, 1-2, 4, 6-7; size/height, 19-20; as summation of multiple images, 9-11; temperament, 28. See also portraits of Linnaeus; professional career/ accomplishments

Diaeta Naturalis, 82-90; on American Indians, 72-73; animals portrayed as moral exemplars in, 300, 325; city and countryside, differences between, 260; coffee and tea are always to be drunk hot, 145; compiled by Uggla, 437; on God's judgment, 374; health, critical importance of taste and smell to, 353; intended audience for, 357; introduction to, melancholy and bitterness in, 89-90; on Lapps never having seen a snake, 77; life-affirming/changing experience of the beauty of nature, 367-68; observations of folk customs in foreign countries in, 272; precursor to *Paradoxa* list included in, 126; sex drive, observations linked to, 249; vegetarianism discussed in, 115; views from Lapland journey in, 67-68; work on beginning in 1733, 91

Diaeta per Scalam aetatis humanae
(Order of life and the different ages of mankind), 381

dictionary of natural history, 342 dietetics: drinking and alcoholism, 216–17, 219, 324; eating practices, 213–16, 324; harsh judgment of contemporary Swedes' practices, 219; iatrochemists

INDEX [465]

in the seventeenth century and, 213; introduction to the course on, 385; journey to Lapland and, 72; lecturing on, 89, 207-8, 211-12, 219-21; luxury, ridding the nation of, 266; path to wisdom and, 299; six main elements of, 83; subject matter of and focus on, 213, 221; texts on, 58; warm drinks, dangers of, 217 Dillenius, Johann Jacob, 117, 235 Diogenes, 83-84 Dioscorides, 392 Döbelius, Johan Jacob, 42 Dodoens, Rembert, 41 double name convention (binomial nomenclature), 8, 129, 226, 255, 291-92 drawing, Linnaeus's abilities at, 242 dreams: contempt for, 64-65; about the murder of Caesar, 261; on the night of Linnaeus's death, 392; at the outset of the expedition to Lapland, 65; of primitive humans in a state of innocence, 73; Swedenborg's erotic fantasies, 109 Drelincourt, Charles, 287 Dryander, Jonas, 404

earthworms, 40
East India Company, 272–73, 277
economics: Linnaeus's lack of knowledge
about, 427–28n1; Linnaeus's optimism
about, 265–66; Linnaeus's pronouncement on the importance of, 136; proposals (mostly unrealistic) for addressing, 266–70; travels through Swedish
landscapes and, 77–78, 102, 265

Edberg, Rolf, 408
Edison, Thomas Alva, 5
education: disputations and dissertations,
223–27, 425n5; focus shifting away
from the sciences in, 345; geography,
early teaching of, 271; at grammar
school in Växjö, 30–33, 365; introduction to the course on dietetics, 385;

tion to the course on dietetics, 385; Linnaeus's approach to botany, 408, 410; Linnaeus's engagement in and opinion of, 314–15; at Lund University, 37–42; moving from Lund to Uppsala, 42–44; at Uppsala University, 45–60 (see also Uppsala University). See also teacher/teaching

Education Commission, 148

egg(s): every being has its origin in an, 120-21, 281, 368; in Linnaeus's coat of arms and seal, 123, 403; Mammalia as class that does not grow in, 210; number laid linked to size of animal, 259; as a representation of the world, 123; seed and, similarities of, 52, 121, 123, 226; seed and bud of plants, difference in, 288; seed as the egg of the plant, 55; sorting birds by number laid, 59; sperm and, combination of, 55-56 Ehrenholm, Lisa, 99 Ehrensvärd, Augustin, 134 Ehrensvärd, Carl August, 335 Ehrensvärd, Gustav Johan, 408 Ehret, Georg Dionysius, 122, 129, 241, 318 Ehrhart, Friedrich, 204 Ehrström, Anders, 269, 324 Ekeberg, Carl Gustaf, 145 Ekeblad, Clas, 170 Ekerman, Petrus, 141, 176, 224-25, 310 Ekman, Kerstin, 408, 430n18, 443 Ekman, O. C., 373 Ekström, C. U., 197, 408 electricum/electricity, 351-53, 371 electrotherapeutics, 351 Ellis, John, 282, 340, 345, 404, 432n13 Elvius, Johan, 55 Emporelius, Erik, 92 enemies/rivals/criticisms, 230, 331-32; Adanson, 405-6; Bengtsson, 408, 410; "buttonology," 406; Camper, 405; dismissal of Linnaeus's work as mere collecting and organizing, 441-42; noisy opponents, dealing with, 237; Siegesbeck, 100; the "Solander issue," 387-88; upstart, criticism as an, 96. See also Bergman, Torbern; Haller, Albrecht von; Ihre, Johan; Rosén von Rosenstein, Nils; Solander, Daniel; Wallerius, Johan Gottschalk entrepreneur, Linnaeus as, 276 equilibrium, 373, 377, 379 Eriksson, Gunnar, 408, 442 Erik XIV (king of Sweden), 333 "eternity machine," possibility of building a, 136 Eugen (prince of Sweden), 408 Euhemerus/euhemerism, 77 Eurén, Erik, 211

[466] INDEX

Exanthemata viva (Live Eruptions), 340 Flora Svecica, 15, 181-85, 207, 240-42, extinction, species at risk of, ix 244-45 Florin, Magnus, 443 Fabricius, Johan Christian, 320, 323-24, Flygare, Gustaf, 391-92 food: cooking and cookbooks, 219-20; 359, 384, 394, 399-400 Fagerstedt, Otto, 277 evolution of the human diet, 85; at Faggot, Jacob, 136, 158 Hammarby, 324; kitchen interior, Fahlstedt, Ingel, 92 drawing of, 218; recommended eat-Fahrenheit, Daniel, 195 ing practices, 213-16; suggestions for, Falck, Anders, 382, 435n5 hunger and, 265; vegetarianism, 216; Falun, Sweden: birth of first child in, 187; warm/hot drinks, dangers of ingestdescription of mines in, 95; laughing ing, 217. See also dietetics sickness in, case of, 267; partying foreign, suspicious of the, 264-66 (without Linnaeus) in, 99; post as Forsell, Jonas, 443 medic in, 44, 90; return to, 118; 1734 as Forsskål, Peter, 149, 382 the year of, 92-93 Forsslund, Jonas, 395 family life: at Hammarby (country manor Forster, George, 340, 387 house) (see Hammarby); members of Forster, J. R., 340 Foucault, Michel, 79, 404, 441-42 the household in Uppsala, 193; at the prefect's house in Uppsala, 186-87. Fowles, John, 194 See also romance Fraga vesca, 303 famine: of 1733, 76; of 1756, 255; of 1773, 309 Franklin, Benjamin, 351 Fant, Erik Mikael, 370-71 Fredrik I (king of Sweden), 30 "fauna," introduction of the term, 292 Fredrik the Great (king of Prussia), 333 Fauna Svecica, 181–83, 185; checking proofs French, dislike of, 82, 87, 170, 264, 296 of second edition, 228; frontispiece Freud, Sigmund, 248 of, 184; gifts to sponsors of, 234; kinds Friedrich, Adolph, 162 of people who live in Sweden, account friends, 327-31. See also Bäck, Abraham; of, 297; Linnaeus called "The Second Härleman, Carl; Höpken, Anders Johan Adam" in reference to, 305; publication von; Lovisa Ulrika (queen of Sweden); Mennander, Carl Fredrik; Tessin, Carl of by Salvius, 240; quote from foreword Gustaf; Wargentin, Pehr Wilhelm to, 357; the wolverine included in, 126 Fries, Carl, 408 feminist, Linnaeus as, 350 Fischerström, Iwan F., 408 Fries, Elias, 155-56, 373, 439 Fjellström, Johan, 159 Fries, Thore M.: anecdote on the naming of flattery: appreciation of, 7; ingratiating, plants for Browallius, dismissal of, 235; 50-51; not heard in the north, 65; of attribution of essay to Linnaeus, 430n18; royal recognition, 333 auguries and portents not taken seriously "flora," introduction of the term, 292 by Linnaeus, 377; battle with Aurivillius, Flora Dalecarlia, 93 332; Beckmann's Tagebuch, editing Flora Lapponica: Boerhaave's refusal to write and publishing of, 440; biography of an introduction for, 112; descriptions Linnaeus, 439-40; commitment to Linfrom Lapland journey incorporated naeus, 406; complications of Linnaeus's into, 65; frontispiece for, 62, 242; invenprivate life not addressed by, 192; on the tory of plants in Lapland as an internadeath messages from Linnaeus, 392; tional contribution, 129; metaphors desperation, 1733 as a time of, 91; drawin the foreword to, 178; mushrooms, ing from Lapland journey, 75; dutiful inedibility of, 216; passages on the attender at meetings, Linnaeus as, Fury and Andromeda in, 69; printing 312; Iter Lapponicum, publication of, plans for, 101 440; letter from Celsius referring to a

"new method," 54; letters, compilation

Flora oeconomica, 265

INDEX [467]

of, 438-39; Linnaeus's flexible attitude toward facts unremarked on by, 80; on Linnaeus's theory of all species being present at the Creation, 156; on Linnaeus's writing style, 177; loyalty to the king as a "good" quality, 313; on the marriage celebration for Linnaeus and Sara Lisa, 137; politics, minimizing references to, 312; publication of Lapland travelogue, 416; publication of Linnaeus biography, ix; publication of Linnaeus correspondence, 234; the rivalry/conflict with Rosén, 50 Friess, Frederick Christian, 373 frogs: children catching, 28; as a member of the "ugly family," 203; mythical figures and, 68, 70; potential illness associated with, 216; vocalizations by, 104, 171 Frölich, Charlotte, 165 Frondin, Birger "Berge," 4, 189-92, 197 Frondin, Elias, 189 Frondin, Erik, 189, 191 Fuchs, Rutger, 162 Fundamenta Botanica: belief that all species today were present at the Creation as core concept of, 155; botany, definition of, 256; Cartesianism in, 362; classifying plants by their "medical powers,"

Fundamenta Botanica: belief that all species today were present at the Creation as core concept of, 155; botany, definition of, 256; Cartesianism in, 362; classifying plants by their "medical powers," 355; echoes of Descartes in foreword to, 57; lecture notes, mentioned in, 210; print run planned for, 100; publication plans for, 101; quotes from the introduction and postscript to, 53–54 Fundamenta Medicinae, 58

Fundamentum fructificationis, 342

Galen, 34
Galileo Galilei, 296
Gall, Franz Joseph, 439
gardens: application for a post at the
botanical garden in Uppsala, 47–48;
botanical in Skåne, 170; Clifford's,
113–14; dangerous, keeping Samuel
out of, 35; experimental, 268; Hortus
Upsaliensis, 225–26; Linné garden,
photo of, 407; as living libraries of plants,
194; locations of significant, 194; in
London, 117; Lund as a city of, 38; of
Nils Linnaeus, 18, 23, 26, 28; Paradise,
Linnaeus's garden known as, 306; at
Råshult, 22–23; rectory, 22–23; Royal

Academic Garden in Upsala, statue of Venus in, 249-50; at Uppsala (see Uppsala University Botanical Garden) Geijer, Erik Gustaf, 363 Geisler, Johan Tobias, 55 Gemmae arborum, 287-88 Genera morborum, 221 Genera Plantarum, 15, 116-17, 141, 242-43, genus: emphasis on, 342. See also taxonomy project geography: climatic zones, 272; early teaching of, 271; Linnaeus's learning about, 271-72; research effort in (see travel) Gesner, Johann, 404 Gesner (or Gesnerus), Conrad, 125, 306 Gibson, Susannah, 79 Gieses, Albert, 271 Giseke, Paul Dietrich, 341, 352, 438 Gjörwell, Carl Christoffer: on the aging Linnaeus, 388; correspondence with, 437; on Döbelius, 42; on flattery, 7; Linnaeus's foreign correspondence, as potential publisher of, 233; sale of Linnaeus's collections, inquiry regarding, 401; traveling clothes of, 152 glowworms, 168 God. See Creator/Creation/role of God Goethe, Johann Wolfgang von, 326, 403-4 Goffman, Erving, 307 Gorter, David de, 404 Gorter, Johannes de, 110 Gothicism, 72 Gotland, 225 Gotländska resa, 173 Gouan, Antoine, 404 Gourlie, Norah, 66 Gregorian calendar, adoption of, 149 Gripe, Maria, 443 Gronovius, Jacob, 404 Gronovius, Jan Frederik: America, travel to, 273; assistance/support from, 111, 112, 116; association of Linnaeus with Linnaea borealis, 15, 235; "Colonel," playful designation as, 306; irritation at restructuring of plant nomenclature by Linnaeus, 129; letter of introduction for Linnaeus, 234; visiting, 118; warning against challenging Seba over the Hamburg hydra, 127

[468] INDEX

Grundtvig, N.F.S., 217 guinea pig, illustration of, 227 Gustafsson, Lars, 373 Gustafsson, Mikael, 321-22 Gustav III (king of Sweden): absolute monarchy reinstated by, 130-31; anonymous contribution for the Linnaeus memorial in Uppsala cathedral, 391; Bible Commission of, 370; birth of, 165; contributions to Uppsala University in commemoration of Linnaeus, 402; coup by, 309, 313; donation of royal garden to Uppsala University, 402; friendship with, 335; opulent image of the country under the rule of, 264; references by Linnaeus to, 135; remarks on the death of Linnaeus, 393 Gustav Vasa (king of Sweden), 134 Gyllenborg, Carl, 141, 186, 200, 234, 323

Gyllengrip, Gabriel, 76, 78–79, 92, 111, 159

Haak, Dirk, 123

Haartman, Johan, 247, 353

habits: bad, the upper class as the source
of, 110, 217; to be noted by explorers,
273; of gifted men, 228–29; lives of
men shaped by, 28, 84–85, 297; nature
and, 85; of the Sami, commitment to,
428n7; as second nature, 219; sticking
to simple, 83

Haeckel, Ernst, 258

Hagberg, Knut, 66, 80, 373, 408, 441

Hägerström, Axel, 362

Hagström, Johan Otto, 236, 366, 391

Hagberg, Knut, 66, 80, 373, 408, 441 Hägerström, Axel, 362 Hagström, Johan Otto, 236, 366, 391 Halenius, Engelbert, 230, 311, 313 Hallenberg, Jonas, 392 Hallenborg, Carl, 173-74

Haller, Albrecht von: accusation of atheism conveyed by spokesman for, 343; "Colonel," playful designation as, 306; correspondence with, 98–99, 438; death of, 389; dedication of *Clavis Medicinae Duplex* to, 356; *Die Alpen*, 102; irritation at restructuring of plant nomenclature by Linnaeus, 129; number of letters in the archives of, 232; portrait of hung upside down in Linnaeus's grand salon, 235; praise for Linnaeus's work, 404–5; publication of collection of letters, 386; publication of letters from Linnaeus without permission, 233; "The Second

Adam," Linnaeus referred to as, 305; Wargentin as mediator between Linnaeus and, 332

Hallman, Johan Gustav, 195–96, 354
Hammarby: crickets at, 325–26; escaping the Uppsala fire at, 319–20; etching of, 319; as a farm, 320; life at, 320; obligations as member of landed gentry, 318; portraits of three daughters hung on the walls of, 322; purchased by the state in 1879, 400; purchase of, 317–18, 430n1; rebuilt and decorated with portraits, 318–19; visitors at, 383–84; wallpaper in Linnaeus's bedroom and study, 321

Hammarskjöld, Dag, 408
Härleman, Carl: disturbing letter from,
230; drawings for the remodel of the
prefect's house, 187; expansion of the
botanical garden in Skåne by, 170;
friendship with, 312, 327; journey to
Skåne, support for, 168; objection to
clearing land by slash-and-burn, 172;
as patron, 111; portrayed as heroic figure in New Year's greeting to, 7; postfire rebuilding, 147, 309; restructuring
of the garden at Uppsala, 195; warning
about the new style of clothing worn by
the young, 206

Harvey, William, 121, 199, 251 Hasselquist, Fredrik, 28, 114, 174, 276–78, 291, 369

Hats, the: characterized in a flippant pamphlet, 313; formation of, 30–31, 132; Linnaeus and, 111, 282, 312–13; mercantilism of, 240; silkworm cultivation, medal struck for, 149; Uppsala University and, 148; war against Russia waged by, 309

health: critical importance of taste and smell to, 353; height of residence and, 317; illnesses (see illnesses); importance of and practice related to, 212–17; "medical primitivism" as an approach to, 417n4; mental (see mental health); riding as beneficial for, 160; visiting the country house and, 317; wild strawberries for (see wild strawberries). See also dietetics; medicine; near-death experiences

Heckscher, Eli, 159 Hedbom, Karl, 390

INDEX [469]

Hedenblad, Petrus, 92 the Enlightenment" from his years in, Hedenius, Ingemar, 363 363; sinful goings-on in, 109; travelogues from, 108-9; widening of horizons Hedin, Sven A.: biography of Linnaeus, 438-39; on Clavis, 357; on Iter, 419n28; while in, 272 on Linnaeus as lecturer, 211; on the Homo sapiens, 294-300; introduction of, relationship of Carl Jr. and his mother, the two-name classification system and, 291; selection of as name for human 396; 1733 as a time of desperation for Linnaeus, 91; on Soul and Nature in beings, 254, 293, 298 Linnaeus's approach to medicine, 432n5 Homo troglodytes, 125 Heister, Lorenz (Laurentius), 306 honors: Academia Naturae Curiosorum, herbations, 203-6 election to, 306; knighthood and change Hermann, Johan, 338 of name, 230, 250, 306-7; official titles, Hernquist, Peter, 433n24 307-8; Order of the Polar Star, 230, Herodotus, 271 382; professional pinnacle reached by Hesselius, Andreas, 54 Linnaeus, 305-6 Hiärne, Urban, 242 Höök, Gabriel, 26, 31, 104 hierarchy: the Bible and, 370; derivation Höök, Sven, 399 of the concept from three basic princi-Hoorn, Johan, 57, 251 ples of nature, 281; imposed on nature, Höpken, Anders Johan von: friendship 9; in Linnaeus's taxonomy, 369; Linnean, with, 312, 327; on Linnaeus's scientific Darwin and, 404; in the map model theology, 254; political face-making of nature, 341; in nature, difficulty of by, 111; portrait of at Hammarby, 318; maintaining notion of, 282; ordering recognition of Linnaeus's professional humanity with a model of, 300; of the status by, 305; Royal Academy of Scisenses, 353 ences, member of, 135; on the "utility Hildegard of Bingen, 246 of plenty," 266 Hill, John, 404 Hoppius, Christian Emanuel, 295 Hippocrates, 56, 212 Horace, 263 history: ideology and approaches to, Horn, Arvid, 30-31, 77, 132-33, 312 417n33; natural (see natural history); Hortus Agerumensis, 130 Hortus Cliffortianus: Bartsia in, 111; erotpansexual view of, 249 Hjorth, Harriet, 408 ica in, 248; four continents of the world Hodacs, Hanna, 442 represented in the frontispiece of, 271; Hoffman, Martin, 88-89, 106-7, 119 frontispiece, designing of, 242; frontis-Hoffmann, Friedrich, 58, 213 piece, drawing of, 105; gold standard Hofsten, Nils von, 5 in publication (illustrations, binding) Högström, Pehr, 366 for, 241, 243-44; Hamburg hydra in the frontispiece of, 107; imported plants Höijer, Anna Ovena, 216 Holberg, Ludvig, 133, 177, 179 listed in, 271; introduction to, 113; Lin-Holgersson, Nils, 408 naeus in the frontispiece of, 306; ther-Holland: almanac kept during the journey mometer in the frontispiece of, 197; to, 104, 109-10; Artedi, death of, 114-15; writing style of, 176 Boerhaave, interaction with, 111-13; Hortus Uplandicus I-IV, 53, 56 celebrities in science and medicine Hortus Upsaliensis, 195-97, 225-26, 235 from, 103; Clifford's garden, manager of, Hottentots, 87-88, 251, 297-98, 300 113-14; club for scientists in Leyden, Hottuyn, Maarten, 404 116-17; freedom to worship in, 108; hydra Hübner, Johann, 271 affair, 107, 127; illness contracted while Hulth, J. M., 438 human beings: as animals, 83; tapeworms in, 27-28; improvement in health upon leaving, 117-18; interest in Linnaeus's and, 287; two factors shaping the lives line of thought in, 404; no "influence of of, 84. See also Homo sapiens

[470] INDEX

human sexuality, 250–51 Humble, Johannes, 47 hunting, 260 hybrids/hybridization, 284–85, 290, 342–43 hydra in Hamburg, 107, 127 Hydrén, Eric, 393 Hydrén, Lars, 152 Hyltén-Cavallius, G. O., 171

iatromechanical school of medicine, 111 Ihre, Johan: attacked at a meeting of the consistorium, 376; as brilliant linguist, 152; description of the aged Linnaeus, 388; election of inspector, votes received in, 310; farm sold to Linnaeus, 318; flippant characterization of, 313-14; as part of the new generation in science, 131; ranking of candidates for professorial chairs at Uppsala, 141; rivalry with, 331; wealth of, 148 illnesses: aging and, 382 (see also aging); ague contracted in Holland, 27-28; causes of, 381, 390; classification of, 221-22, 353, 355-56; gout, 303, 382, 389; laughing sickness caused by saffron, 267; Linnaeus's medical history, 389; in 1718, 25; Uppsala fever, 148, 192, 381, 390 Inebrantia, 263 Ingeborg in Mjärhult, 167 insects: bees, 86, 137, 140, 255; collections of/collecting, 5, 35, 50; crickets, 164, 324-25; "Curious Features of Insects," 153-54, 177-78, 259-60, 299; eating, 215; Furia infernalis, the "monster" insect, 40, 68, 339, 416n14; Miracula insectorum, 8, 40; mosquitoes, 81; "Notes on the Practices of Ants," 137, 140; overflowing of records and the emergence of entomology, 338; transformations of, 290 Instructio perigrinatoris, 274 Insulin, Stephan, 272 interconnectivity, 258, 285 Isidor of Seville, 290 Iter ad Superos & Infernos ("Travels in heaven and hell"), 101-2 Iter Lapponicum: Andromeda episode described in, 107; classical motifs in,

179; drawing of Andromeda threatened by a dragon in, 71; drawing of a Sami woman, 75; drawing of a short-eared owl in, 67; evaluations of, 79–80; language in/writing style of, 65; on a list of planned publications, 130; primitivism in, 296; publication of, 172, 440; read by Meldercreutz, possibility of, 79

Jacquin, Nicholas Joseph, 228, 404
Jaenson, Jaen, 375
Jews: in Hamburg, 104; worship by, 108
Johan af Wingård, 161
Jonsell, Bengt, 429n17, 442
Jönsson, Ann-Mari, 443
Jonsson, Marita, 442
Jonstone, John, 125
"Journey in Dalarna," 80, 101, 418
"Journey in Lapland," 93
Julinschiöld, Peter, 375–76
Jussieu, Antoine de, 118
Jussieu, Bernard de, 118, 285, 306, 404

Kalm, Pehr: appointment to a chair without sitting for examinations, 223; discouraged by Linnaeus from publishing account of 1742 journey, 172; herbaria of, number of specimens in, 291; on Linnaeus's Biblical account of Creation, 155; "Major," playful designation as, 306; plan to search at "Swedish latitudes" for useful plant and animal specimens, 267–68; printing of *Flora Svecica*, support for, 181–82; realization of the extent of "biodiversity" upon landing in America, 337; slippers eaten by opossum, 431n4; travels by, 275–76

Kalmeter, Johan Olof, 324
Kant, Immanuel, 155, 404
Karlfeldt, Erik Axel, 408
Karl XI (king of Sweden), 61, 202
Karl XII (king of Sweden), 134
"key" metaphor, 348–49, 358
Kiellman, Tiburtius, 115
Kiesewetter, Gottfried, 172, 238–39
Kiöping, Nils Mattson, 156, 293
Kjellberg, Fritjof, 409
Kjellgren, Johan Henric, 7
Klein, Johann Theodor, 299
Klinckowström, Johan Mauritz, 202
Klingenberg, Carl, 141

INDEX [471]

Klingenstierna, Samuel, 119, 131, 148, 205, 327, 331 Klintberg, Bengt af, 171 knighthood, 230, 250, 306-7 Knös, C. J., 331 Knös, Olof, 401 Koerner, Lisbet, 159, 428-2911, 442 Koskull, Anders, 104 Koulas, Samuel, 39-40, 42 Krafft, Per, Jr., 9, 378 Kraken sea monster, 128 Kramer, Johann, 116-17 Krok, Thorgny, 425n5 Krüger, Johan Fredrik, 366 Kuhn, Adam, 308, 320 Kvick, Åke, 21

Lachesis Lapponica, 63, 416 Lachesis Naturalis: dietetics, thoughts on, 212; on habits, 219; on music and dance, 110; near-drowning incident described in, 36; new material for teetotalers' propaganda provided in, 217; notes on sexual and erotic matters in, 251; Swedenborg, reference to, 361 Lagerberg, Anna Christina, 246 Lagerbring, Sven, 27, 39 Lagerlöf, Petrus, 219 Lagerström, Magnus, 200, 202 Lamarck, Jean-Baptiste, 406 La Mettrie, J. O. de, 230 Lamm, Martin, 179-80 land, steady expansion of, 155-56. See also water Landell, Nils Erik, 442 Landell, Torbjörn, 442

language: choice of for a speech to the royal family, 177; double name convention as contribution to, 291–92; Latin as the best for science, 176; Linnaeus's use of, 176–80 (*see also* writing style); naming items in Swedish in the royal collections, problem of, 202–3; reform of naming, significance of, 429n17; teaching Carl Jr. Latin, 188; translation of works in Latin, 182–83

Lange, J. G., 241

Lapland: commission to journey to, 61, 63–64; contempt for the curate/school-teacher in, 126–27; diary/travelogue

describing the journey to, 63–72, 174 (see also *Iter Lapponicum*); discussion of journey to with Reuterholm, 92; evaluation of Linnaeus's travels in, 79–81; ideas adopted from journey to, 72–73; luggage, contents of, 64; melding of economics and natural history in, 77–79; pragmatic goals of the expedition, 73–75; proposals for changes to, 75–77; travels among the Lapps, 73–75 Lapps. *See* Sami, the

Larson, Marcus, 408
Larsson, Lars-Erik, 408
Laurent, Antoine, 404
Lawson, Isaac, 116–17
Laxman, Erik, 178, 383
Leche, Johan, 39, 183, 306
lecturer/lecturing: on botany in Stockholm, 134; on classification of illnesses, 221; climatic zones in botanical lectures, 272; content, examples of, 209–10; description of Linnaeus as, 208–9, 211; on dietetics (*see* dietetics); number of lectures per term, 207; popularity of Linnaeus as, 208, 219

Leeuwenhoek, Antonie van, 103 Leibnitz, Gottfried Wilhelm, 119, 374, 379 Lenngren, Anna Maria, 345 Lepenies, Wolf, 373 Lesser, Christian, 366 Levertin, Oscar, 29, 177, 373, 440 Levnadsordning vid en surbrunn, 303 Lidén, Johan Hinric, 108, 177, 405 Lidforss, Bengt, 441 Lieberkühn, Johann Nathanaël, 116-17, 129 Liedbeck, Eric Gustaf, 165-66 Liljefors, Bruno, 408 Lindblom, J. A., 204-5 Lindeboom, G. A., 112 Linder, Johan, 181, 292, 300 Lindfors, A. O., 217, 437-38 Lindroth, Sten, 80, 148, 441-42 Lindström, Gustaf, 439 Linnaea borealis: association of Linnaeus

London Linnean [or Linnaean] Society); Swedish, 251, 443

with, 11, 15; cultivation of, 332; Dalarna,

example of the two-name convention, 291 Linnaean/Linnean Society: London (see

observed in, 93; drawing of, 14, 236; as

[472] INDEX

Linnaean methodology/"Linneanism," 275 Linnaeus, Carl, Jr.: accusation of father's atheism, response to, 343-44; on Artedi, 58; birth of, 137, 187; career achievements, his father's position and, 395-96; cataloging information for Systema Naturae, role in, 340; death of, 397; death of his father, aftermath of, 392; dedication of Nemesis divina to, 374; on his father's visit to a madhouse in France, 118; his mother's hatred of, 394-96; installed as his father's successor at Uppsala, 316; last days of his father's life described by, 389; on the mouth-to-mouth resuscitation of his sister, 36; portrait of, 395; recruitment to be a demonstrator in the Uppsala garden, 199; on time, 149; upbringing/education of, 187-88

Linnaeus, Nils: background and career of, 18, 20–21; botany and gardening, knowledge of and interest in, 23; death of, 230; his son as a legacy of, 28; literary works provided by, 33–34; revelatory nature study approved by, 365

Linnaeus, Samuel: daughters of regretted not gaining from their uncle's knowledge, 189; education and children of, 27; on his brother's childhood play at medicine, 23–24; on his father's keeness for gardening, 23; intelligence of, 41; promise he would be kept out of dangerous garden, 35

Linnaeus, Sara Lisa (née Moraea): Bäck family, relations with, 329-31; birthdate, 99; courtship of, 97; death of, 400; drawing of, 399; family defense of, 400; as firstborn child, 350; flirtations by, 99; at Hammarby, 320, 323-26, 399-400; hatred for her son, 394-96; inheritance of, 186; letters to/from, 104, 137, 384; Linnaeus's funeral, not attending, 393; marriage of (see marriage); period of separation from Linnaeus, 97-99; shopping by, 193; skirmish between Browallius and Linnaeus over, 99-100; unflattering descriptions of, 324, 400; Uppsala fever contracted by, 381; wedding portrait, 139

Linnaeus family: absence of letters from, 233; Anna Maria (sister), 26; Bergcrantz, Carl Fredrik (brother-inlaw), 234; Carl the Younger (son) (see Linnaeus, Carl, Jr.); Christina Brodersonia (mother), 18-19, 35-36; Elisabeth Christina (daughter, a.k.a. Lisa Stina), 188, 326, 398-401; Emerentia (sister), 27, 37; hatred of mother for her son, 394-96; Johannes (son), 188, 192; Linnaeus's will and, 392; Lovisa (daughter), 188; marriage of Linnaeus and Sara Lisa, 136–39; Nils (father) (see Linnaeus, Nils); rare mention of, 331; Samuel (younger brother), 18-19 (see Linnaeus, Samuel); Sara Christina (daughter, a.k.a. Sara Stina), 188-89; Sara Lisa (wife) (see Linnaeus, Sara Lisa [née Moraea]); Sara Magdalena (daughter), 188; siblings and extended family, overview of, 26-27; Solander and, 397-99, 401; Sophia (daughter), 36-37, 188-89, 192-93, 400; Sophia Juliana (sister), 27; widow Moraea (mother-in-law), 318. See also parents

Linnean cameralism, 428n1 Linnéan Foundation, 406 Linneanism, 402–10 Linné Institute (previously Zoophytolithic

Society; Societas pro historia naturali), 406 Linnerhielm, Jonas Carl, 408

Linnerhielm, Jonas Carl, 408 Locke, John, 148, 362 Löfling, Pehr, 182, 226, 277, 287–88, 291–92 London, England, 117

London Linnean (or Linnaean) Society:
Ahrling and, 439; books donated by,
438; Camper's refusal of honorary
membership in, 405; drawing from
The Linnean Herbarium of, 236;
founding of, 403; Letters to Linnaeus
published by, 405; Linnaeus's working
notes kept in, a few sheets of, 371;
source material held by, 64, 401, 437;
Uggla's visits to, 443

Louis XV (king of France), 177 Lovejoy, Arthur O., 441

Lovisa Ulrika (queen of Sweden): bananas presented to, 269; collections amassed by, 201–2; dedication of *Västgöta resa* to,

INDEX [473]

165; demonstration of Münchhausen's "discovery" sent to, 339-40; failed coup by, 333; friendship with, 327, 332-33; language skills of, 177; as patron, 111; references by Linnaeus to, 135; views on Linnaeus's sexual system not known, 248 Löwenhielm, Carl Gustaf, 314 Lucretius, 353 Ludwig, Christian Gottlieb, 404 Lund, Sweden, 37 Lundborg, Herman, 80 Lund University, 37-43 Luther, Martin, 20, 217, 407 luxury: debate about, 266; the primitive versus, 72; of the royal court, mixed emotions about, 333; slavery to pleasures and, 113 Lyell, Charles, 259

Magnus, Olaus, 61, 64, 80, 126 Malmeström, Elis, 370, 373, 375, 440-41 mammalian class: defining by exclusion in recognizing the need for, 210; fish species placed in, 128; launching of, 280; name of, reason for selecting, 292-93; teeth as a defining characteristic of, 382. See also Homo sapiens Månsson, Arvid, 34 Manuscripta medica, 128, 159 Manuscripta Mennandria, 119 marriage: events of and leading to, 136-39, 189; rumors about, 189-92; as a union of convenience, 189 marrow-bark thesis, 287-90, 342, 346, 350, 359, 381, 383 Marshall, Joseph, 383 Marsigli, Luigi Ferdinando, 285 Martin, Anton, 383 Martin, Elias, 408 Martin, Roland, 286, 332 Martinson, Harry, 408 Martyn, Thomas, 340 Masson, Francis, 235 Materia Medica, 221 Maupertuis, Pierre de, 61 medicine: alcoholism, 217; animal derived, 433n19; bedding a child inside a slaughtered sheep, practice of, 37;

benefits of traveling for doctors, 154;

botany and, 220 (see also botany); Clavis Medicinae Duplex, 346-53, 356-58; clinical work, status of, 221-22; country healers, visits with, 166-67; doctorate in, travel to Holland for, 103-4, 110-11 (see also Holland); iatromechanical school of, 111; illnesses, classification of, 221-22, 353, 355-56; "keys" to, 348-49; lecturing in, 211-12; medical texts, Linnaeus's library of, 56; medications, formulation and classification of, 222; mistakes in contemporary, 220; natural form of/ medical primitivism, 82-83; number "five," central role of, 349; pharmacy interior, frontispiece showing, 354; plan for, creation of, 358; populist approach to education in, 220-21; schools of thought on, 212-13, 349; serious study of, human dissection and, 134; single (as opposed to composite) medicines, champion of, 353, 357; Stahlian, 38-39; study of at Lund, 38, 42; study of at Uppsala, 48-49; synthesis of nature and, 356; use of human senses in, 355-56; vegetationderived and from native sources, preference for, 356; wild strawberries as (see wild strawberries); youthful determination to become a doctor, 34-35. See also dietetics; health Melander, Eric, 313 Melanderhjelm, Daniel, 205, 316, 402-3 Meldercreutz, Jonas, 78-79, 152 Mendez da Costa, Emanuel, 248 Meniskans cousiner (The cousins of human beings), 298

human beings), 298
Mennander, Carl Fredrik: biographer, consideration as, 437; bishopric, appointment to, 367; Browallius's "falsehood" revealed by, 100; correspondence with, 133, 385; defense of animals, vegetarianism and, 216; friendship with, 328; *Homo* in lecture notes of, 293–94; humans as animals, 83; lectures commissioned by, 53; Linnaeus's autobiography and, 2–3; as part of the new generation, 131; peacocks passed on to, 201; as pupil of Linnaeus, 91; Rosén

married into family of, 92

[474] INDEX

mental health, 5-6 Merian, Maria Sibylla, 124, 246 Metamorphoses plantarum, 289-90 Metamorphosis humana, 186, 192, 305, 381 metaphors, use of, 350 methods: cataloging, 340; data management, 229-30; Linnaean methodology/ "Linneanism," 275; natural, 281 Methodus, 124 Methodus avium sveticarum, 60 Michaelis, Johann David, 371 Miller, Philip, 116-17, 234, 404 mineralogy: importance to explorers, 273; Linnaeus's interest in, 56, 59, 93, 101, 273; sculpture icon, 409; subject of study, 38, 42-44 minerals: classifying, 96–97; collection of willed to son, 392; dowsing rods used to find, 170; lecture on, 170; origin of, 258; shells of crustaceans/mollusks and corals classed as, 215, 285; Stobæus's collection of, 38. See also stones Miracula insectorum, 8, 40. See also insects Momma, Peter, 238-39 Monson, Lady Anne, 246, 308 Monstrosi/monster, 297–98 Montelius, Oscar, 407 Montesquieu, Charles Louis de Secondat, Baron de, 87, 148 Montin, Lars, 286 Moraeus, Johannes, 97, 99 mouth-to-mouth resuscitation: by Linnaeus, 36-37; of Linnaeus, 36 Mozart, Wolfgang Amadeus, 5 Müller, Otto Friedrich, 286 Müller-Wille, Staffan, 442 Münchhausen, Otto von, 339-40, 345, 383 Mundus invisibilis (The Invisible World), 339 Munthe, Isac, 37 Murray, Johan Adolph, 347, 349, 383, 388, 392-95 Musa Cliffortiana, 106, 124 Museum Adophi Friderici: drawing of white-throated capuchin monkey, 336; drawings of fish, 334 Museum regis Adolphi Friderici, 241 Museum Tessinianum, 241 music written in honor of Linnaeus, 442-43 Musschenbroek, Pieter von, 103, 351 Mylius, Martin, 56

myths/mythology: Andromeda in Lapland notebook, 69–71; Charon myth, 416n14; classical imagery in species names, 427; description of nature and, 263; mobilized in support of present-day motives, 77; old wives' tales, 164; persistence of myths, 164; Samson, 50, 92; "the hydra in Hamburg," 107

Näcken (capricious water spirit), 36 naming of plants, 235, 246 Näsman, Reinhold, 92 natural history: alchemical genealogy of the first steps of development of, 361; battle against the old, 107; consequences of lacking knowledge about, 8; contributions to, 128-29; "crypto-zoology" addressed in Paradoxa, 124-27; curiosity and sensual pleasure in the study of, 253-55; debate between Buffon and Linnaeus, 283-85; declining interest in, 344-45; development from Genesis onward through continuous change, theory of, 155-56; dictionary of, 342; first Swedish book of, 125; global explorations of, 273-78; illustrations/"epistemic images" and, 426n11; "natural philosophy" of Linnaeus, 56-57; utility in the study of, 255

Naturaliesamlingar (Collections of Naturalia), 287 nature: appreciation of numerical ord

nature: appreciation of numerical order in, 11; cameralism and the attempt to rule over, 269; "chain of" and "ladder of," distinction between, 282-83; change in, status of continuity and hybridization in, 281-82; completeness, growing toward, 282; creating order in, fixed terminology and the double-name convention, 290-92, 429n17; growth as a fundamental characteristic of stones, 361-62; interconnectivity in, 258, 285; man and, division between, 257; meanings and descriptions of, 257-63; order of/systematic classification of (see Systema Naturae; taxonomy project); as "plenitude" in the eighteenth century, 431n1; religion and (see Creator/ Creation/role of God; religion); sexual reproduction relied upon by, 128 (see also sex); study of in the service of

INDEX [475]

God, scientific theology and, 254-55; three principles showing the foundation of, 281; tripartite subdivision of, 340; universal laws of, 127-28 Nauman, Johan Justus, 227 Neander, Andreas, 311, 377 near-death experiences: drowning, 36; insect bite, 40-41; on three occasions, 41 Nemesis divina (Divine Retribution), 373-79; as a collection of moral fables, 179; compassion for the poor in, 26; execution of child-murderers, discussion of, 316; foreign policy fiasco, note on, 132; Fries's self-censorship in discussing, 440; Malmeström's defense of Linnaeus's morality in, 440-41; moving in the deep shadows where ghosts are lurking, 6, 9; the punishing God and stories from the Old Testament, passages on, 366; roll call of righteously punished sinners in, 132; story involving his brother and a fortune teller, 41; the supernatural addressed in, 171 Neptunist, 156-57 networks. See professional networks

networks. See professional networks
Newton, Isaac, 205, 305, 361, 372, 402
Nietzel, Dietrich, 195, 197–98
Noctiluea marina, 263
Norberg, Matthias, 275
Nordenflycht, Hedvig Charlotta, 174
Nordström, Lubbe, 408
nostalgia/homesickness, 27–29
Notata subitanea, 349, 351
"Notes on the Practices of Ants," 137, 140
Notke, Bernt, 107
novels about Linnaeus, 443
Nutrix noverca, 134, 293
Nyberg, Kenneth, 442
Nygren, Anders, 362

Observationes in Regna Naturae, 156
Obstacula Medicinae, 220
occult, the: ghost story in Lund, 41; Linnaeus's interest in, 8, 359-61, 363-64;
Näcken (capricious water spirit), 36;
number mysticism, 364; spirits roaming at Stenbrohult, 27; supernatural phenomena, belief in, 171; witchcraft, 18, 164
Odhelius, Lorens, 286

Ödmann, Samuel: biblical philology, studies of, 369; on excessive drinking, 217; full revision of Fauna Svecica proposed by, 183; on herbations, 205; on the lake of Linnaeus's near-drowning experience, 36; Linnaean impact on the writing of, 408; Linnaeus's school years illuminated by, 31-32 Oeconomia Lapponica, 64-65, 75-76 Oeconomia naturae, 226, 258-59, 337 Olai, Benedictus, 213 Öland, 225 Öländska och gotlänska resa, 178, 239 Olivecrona, Karl, 362 Olofsson, Rune Pär, 443 Omai, Tahitian, 397 "On Lapland and the Lapps" (Om Lappland och lapparne), 73 "On the Growth of Habitable Parts of the Earth," 155-56 Oratio de incremento, 258 Oration de increment telluric habitable, 267 orderliness, passion for, 368-69 Örn, Nils, 107 Osbeck, Pehr, 161, 205, 221, 268, 383 Osslund, Helmer, 408 Östenson, Pia, 442 Ovid: the Golden Age, vision of, 72; identification with, 70; Linnaeus's mental geography, as an element in, 65; Linnaeus's preference for, 177; Metamorphoses, 381–82; mistaken attribution of quote to, 353; motto above the bedroom door at Hammarby from, 318; mythology in descriptions of nature, 263; as "the poet," 68; shepherds, stories about, 73 Oxenstierna, Axel, 71 Oxenstierna, Erik, 170-71

Palmberg, Johannes, 34
Palmstruch, Johan, 14
Pan Europaeus, 126
Pan Svecicus, 167, 291
parents: career choice, response to, 35;
description of, 19; father (see Linnaeus, Nils); mother, 18–19, 35–36
Paris, France, 118
Patriotic Society, 3, 102
pearl fishing, 267

Pedersdatter, Johanne, 18

[476] INDEX

Peterson-Berger, Wilhelm, 408 night, 262-63; "power" or "virtue" of, Petri, Laurentius, 325 346; sexual reproduction in, reactions Petri, Olavus, 177 to Linnaeus's system of, 247-52; sexual petrified objects, 120 system, drawing of, 122; tea bush, 144-45; transformations of, 290; Petry, M. J., 373, 375 pets: cat, 200; childhood dog, 35, 37, 199; word-and-number system for analyses of, 243. See also Flora Svecica; dogs defended against vivisection experiments, 199; list of in Uppsala, 200; pargardens rot and Pompe the dog at Hammarby, Plato, 283, 287, 355 325; peacocks, 201; raccoon, 200; talk-Pliny the Elder, 271, 392 ing parrot at Uppsala, 200-201 Plumier, Charles, 273, 318 Peyssonal, Jean André, 285 Plumier, Ehret och, 321 Pfeiffer, Johan August, 144 Plumtree, James, 442-43 Pharmacopeia Svecica, 222, 328, 353, 356 Plutarch, 373 philosopher, Linnaeus as, 362-63 Poe, Edgar Allan, 5 poet, Linnaeus as, 179 Philosophia Botanica: color is of no value for definitions, 296; immutability Polhem, Christopher, 73-74, 131-32, 216 emphasized in, 121; investigation of Politia naturae, 258-59 nature regarded as philosophy, 362; politics: education policy and, 314; limited the marrow-bark thesis in, 288; Methappeal of, 282; loyalty to the king, 313; odus reprinted in, 124; names, centralparty association, 282, 312-13 ity of, 290; "natural system," suggestion polyps, 272, 280, 285-86, 339, 359, 383 of, 341; "nature abhors a vacuum" phrase Pontins, Samuel, 108 crossed out in private copy of, 341; Porphyry, 115 "nature does not jump" dictum found portraits of Linnaeus: age 67 by Krafft, Jr., in, 281; "nulla species nova" phrase 378; by Bernigeroth, 261; bust with crossed out in private copy of, 342; Greco-Roman gods and goddesses, 10; piece of paper with Sophia's name in his normal clothes by Rehn, 262; by glued into, 189; principles for any flora Roberg some time prior to 1735, 98; in established in, 183; travels of great Sami costume, 88; statue by Kjellberg, botanists, listing of, 273 409; wedding portrait by Scheffel, 138; physicotheological thought, 366-67 the young Linnaeus, 24, 32 Pico della Mirandola, Giovanni, 298 poverty: of grammar students at Växjö, Pilgren, Johan, 380 32-33; Linnaeus's food consumption Pitton de Tourneforts, Joseph, 49, 53-54, shaped by upbringing in, 324; Linnaeus's self-description of his, 26; in Sweden, 100, 235, 273 Plantae esculentae patriae, 265 264-65; at Uppsala, 46; "walking the Plantae Surinamenses, 389 parish" in Stenbrohult, 33 plants: acclimatization of foreign, 267-68; Praelectiones Botanicae Publicae, 53 animals and, distinction between, Praeludia sponsaliorum, 53 286; black henbane, curious effects of, Preussische Akademie der Wissenschaften, 34; bog rosemary (Andromeda polifolia), description of, 69-71; horticultural primitivism, 72, 83, 296, 417n4 Printing Trade Society, 238 research, mostly crazy, 268-70; hunger and the need to raise level of knowlprofessional career/accomplishments: edge about, 265; Linnaea borealis (see career options, 90; choice of career, Linnaea borealis); "medical powers," 44; disputations and dissertations, classification according to, 355; naming 44; inventions, 8-9; number of books of, 235; natural order of, order of illwritten by Linnaeus, 238 (see also nesses and, 356; natural system of publication/publishing); parental based on tastes and smells, 355; at reaction to early career preferences,

INDEX [477]

35; summary of, 8; at Uppsala (see Uppsala University). See also honors professional networks: correspondence/ letters, 232-34; disciples/traveling students, 235-37; methods of strengthening, 234-35; need for, 231-32; variety of, 232 professional rivals. See enemies/rivals/ criticisms publication/publishing: of correspondence/ letters, 233-34; "epistemic images," 426n11; fees and payments, 244-45; fine writing, ambitions to produce, 102; illustrations and drawings in, 241-44; of Linnaeus's works, 238-42; plans for, 100-102, 130; reviews, 245; in Sweden, 238-40; of travelogues, censorship and, 172-73. See also books; writing Pulteney, Richard, 437 rabbit-hen chimera, 284, 343-44, 415n4 Rabenius, Olof, 315 racism, 299 Ramazzini, Bernard, 229 Råshult, Sweden, 17-18, 20-23 Ray, John, 49, 58, 125-26, 347 Réaumur, Ferchault de, 284-85, 343-44 Rehn, Jean Eric, 184, 241, 262, 391 religion: atheism, accusation of, 343-44, 365-66; Bible, references to, 360-61, 366; the Bible, zoology and botany of, 369; "Book of Nature," the Bible as, 365-67, 369-70; clergy, distrust of, 254, 367; examination in theology required before foreign travel, 103; on the freedom to worship in Holland, 108; influence on Linnaeus, 363, 365; Linnaeus as one of the elect reading the Book of Nature, 369; Linnaeus's view of, 7, 370; minor role in writings, 68; physicotheological thought, 366-67; science and, 367; sources on Linnaeus's, 434. See also Creator/Creation/role of God; Nemesis divina reproduction: eighteenth-century theories of, 287-89; Linnaeus on (see marrow-bark thesis; sex) Retzius, Anders Jahan, 345 Retzius, Nils, 39, 41-42, 159 Reuterholm, Axel Gottlieb, 92, 133, 267

Reuterholm, Esbjörn, 170 Reuterholm, Gustaf Adolf, 323 Reuterholm, Gustaf Gottlieb, 92-93, 99 Reuterholm, Nils: Academy of Sciences, role in founding, 78; Classes Plantarum dedicated to, 111; Dalarna, commission to journey in, 92; praise of Linnaeus for his travels in Dalarna, 95-96; proposal for Lapland by Linnaeus, 76; provincial travel project, idea for, 159; shifting dependence to, 89; spending Christmas with, 92; Wolff, impressed bv. 119 rhubarb, 268 Rhyzelius, Andreas, 33 rivalries. See enemies/rivals/criticisms Robeck, Johan, 231 Roberg, Lars: Artedi as student of, 58; correspondence with, 64, 66, 71-72, 102; death of, 186; egg and seed, thesis discussing the similarities of, 121; honoring the memory of, 154; illustrator, skill as a, 242; leave from professorial chair at Uppsala, 140-41; on the medical faculty at Uppsala, 48; as part of the street scene in Uppsala, 152; portrait of Linnaeus painted by, 98; Spolia Botanica dedicated to, 53; on youth in the kitchen, 219 Rolander, Daniel, 188, 192 Rollin, Carl Gustaf, 375, 377 romance: courtship of Sara Lisa Moraea, 97; period of separation from Sara Lisa Moraea, 97-99; skirmish between Browallius and Linnaeus over Sara Lisa, 99-100 romantic nature philosophy, 345 Rosen, Björn von, 408 Rosenberg, Erik, 408 Rosén von Rosenstein, Nils: apparent death, childhood experience of, 36; Bäck, correspondence with, 329; Benzelia scandal, role in, 51; Bible Commission, member of, 370; competition for professorial chairs at Uppsala, 140-41; conflict/rivalry with Linnaeus, 49-50, 92, 332, 374-75, 440; deal with Linnaeus regarding subject matter to be addressed, 186, 212, 221, 312; dedication of Clavis Medicinae Duplex to, 356-57; honor rescued by Fries,

[478] INDEX

Rosén von Rosenstein, Nils (continued)
192; management of Uppsala garden
assumed by, 195; as part of the new
generation in science, 131; reconciliation
with Linnaeus, 331; Roberg, as a pupil
of, 48; the Sami, question about, 63;
Stobæus, as a pupil of, 39; student
rowdiness, writing off, 311; tapeworm
and polyps, paper on, 286; Uppsala,
move to, 43; at Uppsala in the 1740s, 148

Rosicrucianism, 360, 363

Rosicrucian Order, 56

Roslin, Alexander, 9

Rostius, Christopher, 38

Rotheram, John, 387–88, 390

Rothman, Johan: co-author of *Hortus**Agerumensis, 130; dancing spirits at night, observation of, 27; decision to go to Uppsala as a student, contribution to, 43–44; gifts of books to Linnaeus, 57; *Hortus Agerumensis, co-author of, 130; international standing of, 31; as mentor/contribution to development of Linnaeus's mind, 31, 37, 39, 111; notice of Linnaeus by, 47; visit from and time spent with Linnaeus, 104

Rothman, Johan Gabriel, Jr., 4, 189–90, 192 Rothof, Lorens, 264

Rourke, Kelley, 430n4

Rousseau, Jean-Jacques, 29; death of, 389; distrust of formal schooling, 188; era of, 317; positive comments on Linnaeus's writing style, 177; praise for Linnaeus, 403; primitivism influenced by, 72; use of senses, appeal of, 355

Roux, Frederic François Joseph, 32 Royal Academy of Sciences. *See* Academy of Sciences

royal court: collections, working on, 202; distancing himself from in funeral instructions, 391; interaction with, 332–33, 335–36; as patron of the Royal Academy of Sciences, 135. See also Gustav III (king of Sweden); Lovisa Ulrika (queen of Sweden)

Royal Printers, 238

Royal Society (London), 135

Royal Society of Sciences (Uppsala), 61, 63,

66, 71, 73-74, 80

Royen, Adriaan van, 306, 404

Rudbeck, Johan Olof, 70 Rudbeckianism, 89

Rudbeck the Elder, Olof: anatomical dissection theater built by, 151; *Atlantica*, 64, 123–24; botany, as professor of, 403; herbations arranged by, 203; son as successor to, 395; species inventory by, 48

Rudbeck the Younger, Olof: as academic successor to his father, 395; accusation against the Sami rejected by, 300; Benzalia scandal in the home of, 51; birds, illustrations of, 42, 49; botany, as professor of, 403; Campus Elysii, 41, 273; celebratory poem addressed to, 50-51; Charon myth, version of, 416n14; creation of the garden at Uppsala, 194–95; Gothic ideas on geography, 271; home-based science education for the family of, 188; Hortus II dedicated to, 53; illustration of Linnaea borealis, 15; illustrator, skill as a, 242; initial meeting with, 47; interest in the climate of Lapland, 75; journey to the north with Karl XI, 61; leave from professorial chair at Uppsala, 140; lecture on sexual biology attributed to, 250; Linnaeus as successor to, 142; manna, search for the real substance of, 369; as mentor/patron, 48-49, 58, 64, 69, 111; mythical references in writings of, 69, 73, 416n14; prefect's house built for, 186; professor of medicine at Uppsala, 47-51; pygmies of antiquity compared to the Sami, 77; residence of Linnaeus with, 59, 440; resources of Lapland praised by, 73; shifting dependence from, 89; third wife of, Linnaeus's condemnation of, 51, 53; writings on Lapland, 64

Ruskin, John, 217 Russian spy, suspected of being, 163 Ruysch, Fredrik, 103

Sachs, Julius, 441 Sahlgren, Jöran, 251 Said, Edward, 433

Salvius, Lars: anecdotes about in conversations with Beckmann, 383; correspondence with, 241, 245; donation for travel by Linnaeus's students, 276; on

> INDEX [479]

fees and payments in the publishing industry, 244; Flora Svecica, printing of, 181-82; Linnaeus in Learned News published by, 254; as printer for Linnaeus, switching to, 172; publication of works by Linnaeus, 239-40; as Sweden's leading publisher, 238-41; Systema Naturae, printing of, 279; Västgöta resa, printing of, 161 Sami, the: celebration of, 82, 86-89; dressing like/telling stories about during journey to Holland, 107; endangering the culture of, 78; as enlightened but wild, 300; habits of, commitment to, 428n7; identification with, 88-89; ideological content of the Linnaean discourse on, 79; limited interest of the Society of Sciences in, 63; Linnaeus in dress of the, 88; Native Americans and, 296; as our teacher, 83-84; recalling while aboard a ship, 104; religion of, 68; running speed of, question regarding, 84; sorcerers, defense against rumors that they were, 299-300; travels among the Lapps, 73-75; woman on the mountainside, drawing of, 75 Samson, 50, 92 Sandel, Benjamin, 92 Sandgren, Gunnar E., 443 Sapor medicamentorum, 348 Sätherberg, Herman, 39 Satyricon, 373 Sauvages de Lacroix, François Boissier de: Medicinae Duplex to, 356; high number of illnesses, belief in, 356; ideas for schooling his baby son, 187-88;

anecdotes about shared in conversations with Beckmann, 383; correspondence with, 133, 221, 438; dedication of Clavis plant smells, testing the effect on the nervous system of, 352; positive comments on Linnaeus's writing style, 177; support for Linnaeus from, 141; systematization, following Linnaeus in supporting, 404

scandal(s): appointment to the Lars Roberg chair as, 141; Browallius and, 99; Greta Benzelia, 51; Linnaeus's easygoing attitude on sex as, 100, 247-48; rumors about the Linnaeus household, 189-92

Scheele, Carl Wilhelm, 148-49, 352 Scheffel, Johan Henrik, 138-39 Schefferus, Johannes, 61, 64, 319 Schenson, Emma, 407 Schiebinger, Londa, 292-93 Schillmark, Nils, 360 Schmitz, Helen, 442 Schönberg, Anders, 318 Schück, Henrik, 51, 177, 179-80 Schultz von Schultzenheim, David, 332 science: fantasy and, drawing the boundary between, 125; Linnaeus and, 6-8; myth combined with, 361; new generation in Sweden of, 131-36; publicizing, information overload and, 338-39; religion and, 367 (see also religion); search for completeness/truth, difficulty of reconciling perfection of God's Creation and, 338; wit and literary learning as more valued than, 345 scientific rivals. See enemies/rivals/ criticisms scientific theology, 254-55, 259, 273, 275 Scopoli, Johann Anton, 404, 438 Scriver, Christian, 365 sea, fear of, 104, 163 Seba, Albertus, 103, 107, 114, 116, 127, 201 Sefström, Eric, 200 Selander, Sten, 408 Semina muscorum detecta, 123 Senium Salomoneum (Old age according to Solomon), 380 senses: acquisition of knowledge through, Lucretius on, 353; as channels of inforas a sensual man, 353; plant smells, effect on the nervous system of, 352;

mation, 355; hierarchy of, 353; Linnaeus tastes and smells as the basis for a natural system of plants, 355; use of in medicine, 355-56 Serenius, Jacob, 158

sex: advice about plants and, 35, 221; as a basis for classification, 59, 123, 128, 130, 137; human sexuality, text on, 250-51; human sexuality, transformations with age of, 192; man and woman, differences between, 300; plant sexuality, drawing of, 122; reactions to Linnaeus's interest in, 247-52; reproduction in plants, illustration from Sponsalia

[480] INDEX

Sparre, Ulla, 246-47 sex (continued) plantarum, 52; reproduction of plants Sparrman, Anders, 213, 273, 387, 399 species: Buffon's critique of Linnaeus's and, 54-56; reproduction of plants based on, 54-56; reversal of established definition of, 283; challenges of defining and changing role of, 342; classical sexual norms, 350 Shaw, George Bernard, 5 imagery in names of, 427; concept of Sherard, William, 117 in *Systema Naturae*, 121; counted by shoes: without heels, 84; wooden clogs, 174 Linnaeus, 405; estimated number of, short-eared owl, drawing of, 67 337-38, 405; extinction, at risk of, ix; Sidrén, Jonas, 376, 393 generation of new through hybridiza-Siegesbeck, Johann Georg, 100, 306 tion, 284-85, 290, 342-43; of local flora, silicosis ("stone dust lung"), 95 number of, 204; "splitters or lumpers" silk from worms eating mulberry tree on the issue of how to define a, 338, leaves, 268 356; of Swedish fauna, number of, 185; Skåne: journey to, 168, 170-75; map of, 169 theory of rooted in Genesis, 155-56, Skånska resa, 170-74, 230 281. See also taxonomy project Skjöldebrandt, A. F., 15 Species Plantarum: absence of images in, 242; book production, considerations Skuncke, Marie-Christine, 8 Skyttean Foundation/Society, 66, 416 addressed in, 239-40; countries and Sloane, Hans, 112, 116-17, 135 gardens studied by Linnaeus, list of, Smith, Adam, 266, 427n1 194; double name convention applied to all known species, 291-92; founda-Smith, James Edward, 233, 337, 401, 404, tion of Linnaeus's fame, contribution 438 to, 279; list of planned publications, on social conscience, 265–66 Society of Sciences. See Royal Society of a, 130; new edition of, rivalry between Sciences (Uppsala) Banks and Solander and, 388; on the Söderbaum, Henrik Gustaf, 439 number of plants, 337; pain from Söderberg, Olof, 170-71 kidney stones while working on, 389; Sohlberg, Claes, 92, 97, 103-4, 112, 115 plants given names based on Swedish Solander, Carl Daniel, 398 notables in, 235; three principles showing Solander, Daniel: available light and the foundation of nature, 281; working work habits of, 229; on the death of himself to death on, question of, 292 Johannes (younger son), 192; hostility Spegel, Haquin, 125 to Linnaeus, 332, 387-88, 399; Lin-Spolia Botanica, 21, 53 naeus Jr. present at the death of, 396; Sponsalia plantarum, 52, 226 love for as a scientist, 236; painting of, Spöring, Herman, 141, 286 397; parentage of and relations with Spreckelsen, Johann Heinrich von, 107 the Linnaeus family, 397-99, 401; as Stauffer, Richard C., 259 part of the street scene in Uppsala, Stearn, William T., 248, 291, 442 152; reports from Cook's explorations, Steever, D. H., 37 source of, 340; study of Linnaeus's Steinmeyer, Johann, 203 works by, 404 Stenbock, Magnus, 18 Solander, Magdalena (née Bostadia), 398-99 Stenbrohult parish, Sweden: birth and Somnus plantarum, 262 childhood residence in, 17–18; fostering Sörlin, Sverker, 277, 442 of Linnaeus's qualities in, 21-23; Soulsby, Basil, 438 Linnaeus's description of, 21; popula-Sourander, Patrick, 390 tion and local authority in, 20; return sources on Linnaeus: autobiographies, visits to, 25-26, 91; spirits roaming at, 2-4, 437; biographies, 438-42; cor-27; summers at, 35-36; Växjo, distance respondence (see correspondence/ from, 30-31; "walking the parish" in, 33 letters); lecture notes, 437-38 Stobæus, Florentina, 43

INDEX [481]

Stobæus, Kilian: correspondence with, 49-50, 56, 126, 234; description of, 38-39; fact-finding in the field, inspiration for, 158-59; as mentor and patron, 38-44, 111; notice of Linnaeus by, 47; wishing to go back to, 46 Stobæus the Younger, Kilian, 43 Stockholm, Sweden: coffeehouses in, 132-33; Linnaeus in, 132-37 Stoever, Dietrich, 305, 396, 438 Stoics, the, 257 "stone dust lung" (silicosis), 95 stones: creation of rocks, 120; generation of, water and, 361; growth of, 55, 120-21, 282, 361-62; lifted by the sky, 127. See also minerals Strabo, 271 Strandell, Birger, 390 strawberries, wild. See wild strawberries Strindberg, August, 179, 406-8 suicide, 231 Sundbärg, Gustav, 407-8 Sundgren, Jöran, 315 supernatural phenomena. See occult, the Svanberg, Seger, 78 Sven in Bragnum, 166-67 Svensson, Sigfrid, 171 swallows spend winter underwater, belief that, 128 Swammerdam, Jan, 7, 103, 366 Swedberg, Jesper, 87 Sweden: abolition of absolute monarchy and the Hats vs. the Caps, 30-31; the Age of Liberty, 130-31, 148, 175; divisions within the country, 265; love of nature in, Linnaeus and, 407-8; new generation in, science and, 131-36; orderly subdivision of, 369; poverty in (see poverty); public road network in, 160; the publishing industry in, 238-39; Skåne as showplace for, 170 (see also Skåne); small population of, 266; tea cultivation, attempt at, 145; wars against Russia and Denmark, 18, 309 Swedenborg, Emanuel: "About the Motion of the Earth and the Planetary Movements and Relationships," reference to, 82; academy membership, Linnaeus's support for, 136; the egg used as a

representation of the world by, 123;

erotic fantasies recorded while visiting

Holland, 109; Linnaeus and, 361-62; myth and science combined by, 361; new generation of Swedish scientists, influence on, 131; observations on Amsterdam, 108; occult undercurrents driven by, 360; as the original teacher, 407; outdoor privy, seated in, 137; positive effects of wandering in a garden, 352; Routledge Encyclopedia of Philosophy, entry in, 362 Swedish Linné Society/Swedish Linnaean Society, 183, 251, 443 Swedish Medical Association, 123 Swedish Tourist Association, 408 Swieten, Gerard van, 356, 404 Sydenham, Thomas, 57, 355 Sydow, Carl Otto von, 80 Systema morborum, 252 Systema Naturae: aging and a diminished capacity to work on, 386; all things beginning in water, concept of, 361; arthritis hindering work on, 230; banana, name for, 268-69; begins with instruction to "know thyself," 299; biblical references/references to God in, 360-61; cataloging method for the new edition of, 340; daughters in, 193; double name convention applied in the tenth edition, 291; expansion through successive editions of, 279-80, 358; first appearance of in 1735, 101; frontispiece of 1760 edition, 306; the "Furia" mentioned in, 40; Geographia naturae as early title of, 119; geographic boundaries not indicated in, 273; grand design of illustrated in selected passages, 119-21; Histoire naturelle (Buffon) as the only rival to, 283; human population divided by continents in first edition of, 296; "key" metaphor used in presentation of sexual classification system, 348; Kraken sea monster included in, 128; as a long-term project, 338, 358-59, 364; Mantissa as supplement to, 339; manuscript taken on trip to Holland, 119; marginal annotations as method of storing data for, 229-30; Methodus as a printing on one sheet, 124; Mundus invisibilis (The Invisible World) as a commentary on the animal section

[482] INDEX

Systema Naturae (continued)

of, 339; naturalistic view of humanity in, 254; new human species included in, 370; numerical order in The Well-Tempered Clavicle and, 11; Paradoxa group of, 344; Paradoxa (zoological curiosities) taken up in, 124-27; printing of the first edition, 123-24; printing of the fourth edition supervised by Bäck, 328; publication, note regarding delays in work for, 241; published at Gronovius's expense, 116; religion in introductory words of later editions, 367; special contributions to the completion of, 406; species, concept of, 121; target readership for, 245; theory of spontaneous generation excluded from, 127-28; three principles showing the foundation of nature, 281; title page, 280; twelfth edition as crowning achievement, 347-48; Wallerius's criticisms of, 141; working on at Hammarby, 323

Täckholm, Vivi, 408 Taenia, 286, 289 tapeworms, 226, 286-89, 370 Tärnström, Christopher, 145, 277 taxonomy project: evolution of in successive editions of Systema Naturae, 279-81; feasibility of, 337-39; fixed terminology/nomenclature and the double-name convention in, 290-92, 429n17; map model for, 341; the micro level world and feasibility of, 339-40; names of classes, selection of, 292-93; "natural system" as a basis for, dream of, 341-42; orderliness reflected in, 369; ranks of the taxonomic system, 123; sexual system of classification used in, 123 (see also sex); species (see species); summary of, 128-29; travel and, 86; tripartite subdivision of nature and, 340. See also classification; Systema Naturae

tea bush, 144-45

teacher/teaching: disciples of Linnaeus, 235–37; faculty roles at Uppsala, 310–16; lectures, 207–10 (*see also* lecturer/lecturing); populist educator, role as, 245; populist medicine, 220–21; students, number of, 208; supervising dissertations and presiding at disputations, 224–27; tutoring at Uppsala, 50. *See also* education

Tegnér, Esaias, 402 Telander, Johan, 31

Tersmeden, Carl, 58, 115 Tessin, Carl Gustaf: bound copy of Fauna Svecica given to, 234; collections maintained by Linnaeus, 202; correspondence with, 279, 337, 438; dictionary of natural history project offered to Linnaeus, 342; friendship with, 312, 327-28; gold medal awarded to Linnaeus, 281; horticultural experiments by, 266; Linnaeus as the stoat or ermine in fairytale by, 306; mind of Linnaeus, description of, 78; as patron/supporter, 111, 133; portrait of at Hammarby, 318; portrait of Linnaeus in the home of, 348-49; support from Linnaeus for, 240; visiting in later life, 271; wife's interest in natural history, 246

theodicy problem, 379
thermometers, 195, 197
Thorild, Thomas, 403, 406
Thornton, Robert John, 442
Thunberg, Carl Peter: biblical philology,
studies of, 369; contemptuous reference to, 403; contribution to *Systema Naturae*, 406; herbariums built by,
338; naming of a plant for, 235; number of dissertations supervised by, 224; on private enterprise in Holland, 108; travels by, 275, 277

Tilas, Daniel, 99, 350
Tillandz, Elias, 34
time, 149, 281
Tirén, Johan, 408
Tissot, Samuel-Auguste, 5
tobacco, 4, 32, 110, 191, 217
travel: "About the Necessia"

tobacco, 4, 32, 110, 191, 217–19, 383
travel: "About the Necessity of Investigative Journeys in Our Native Country,"
154; characteristics of the ideal traveler,
274; to Dalarna (see Dalarna, journey
to); dangers of and Linnaeus's sorrows
over the deaths, 277–78; by disciples
of Linnaeus, 274–78; financing, 276;
to Holland (see Holland); "inland
passport" required for domestic, 160;
to Lapand (see Lapland); Linnaeus as

INDEX [483]

traveler, 171, 174; Linnaeus on, 274; London, England, 117; marketing of the travelogues, 173; Paris, France, 118; provincial, 158–75; Skåne, journey to, 168–75 Travels on Öland, 22 Trembley, Abraham, 272, 285 Treviranus, Gottfried, 406 Triewald, Mårten, 42, 134–36 Trolle, Stina, 35 Tullberg, Otto, 188 Tullberg, Tomas, 400 Tullberg, Tycho, 98, 438 twinflower. See Linnaea borealis

Uddenberg, Nils, 442 Uggla, Arvid, 129, 437-38, 443 Ullén, Petrus, 376 Ulrika Eleonora the Elder (queen of Sweden), 30, 250 Ulrika Eleonora the Younger (queen of Sweden), 28 Uppsala, Sweden: appearance from the south side, drawing of, 150; changes in circa 1764, 309; contemptuous description of, 403; fires in, 45, 147-48, 309-10, 319-20; geographic layout of, 149; upon Linnaeus's arrival, 45-46; move to in 1741, 142; post-fire restoration of, 147; street scene, elderly academics as part of, 152; as an unhealthy place, 147-48; Uppsala fever, 148, 192, 381, 390 Uppsala University: central university building, depiction of, 151; competition for two chairs at, 140-42; Faculty of Theology at, 254; history and facilities of, 45; judicial action at, 315-16; Linnaeus as faculty at, 154, 310-16; Linnaeus as rector, 316; Linnaeus as student at, 46-60; Linnaeus documentation held at, 437-38; medical faculty and curriculum at, 48-49, 311-12; move to, 42-44; pamphlet providing flippant overview of faculty at, 313-14; peak period during the Age of Liberty, 148-49; the prefect's house, residence in, 186-87; Society of Sciences, 310; speech as the departing rector, 384-85; students at, 45-46, 148, 152, 310-11 Uppsala University Botanical Garden:

allowed to "run to waste," 42; animals

as part of, 199–200; creation and care before Linnaeus, 194–95; dung from the university stables, fight over acquiring, 199; map of, 196; prospectus for, engraving of, 195; restructuring of and management by Linnaeus, 195, 197–99; thermometer, use in, 197 lity: botany as a study shorn of, 256; of centers of industry, 257; the Creation

utility: botany as a study shorn of, 256; of centers of industry, 257; the Creation and, 255, 275; curiosity and, 255; from the "Earth," 209; of economics, 136; of etymology, 243; of keeping healthy, 160; of learning about herbs, 134; of measuring time, 149; of music, 262; "of plenty," 266; political prioritization of, 130; practical, 178, 255; of using natural resources, 428n1

Vaillant, Sébastien, 31, 54, 235
van Royen, Adriaan, 112, 118
van Swieten, Gerard, 116–17
Västgöta resa: dedication of, 165, 170; final passage of, 180; foreward focused on practical utility, 178; publication of, 172–73; title page, 161
Växjö, Sweden: population of, 30; Stenbrohult, distance from, 30–31
Virgil, 68–69, 263
Vita Caroli Linnaei, 2–3, 58, 114, 429n17, 430n1, 437
Voltaire (François-Marie Arouet), 330–31, 389

Wachendorff, Evert Jacob, 404

Wägner, Elin, 408 Wahlenberg, Göran, 21-22, 406 Wahlström, Anders, 366 Wallenberg, Jacob, 108, 306 Wallenius, Jacob, 383 Wallerius, Johan Gottschalk: electricity as the subject of a dissertation supervised by, 351; lecturing post in medicine won by, 43; mineralogical conceptus by Linnaeus, assessment of, 361; as part of the new generation in science, 131; professorial chair at Uppsala, candidacy for, 140-41; on rumors about Linnaeus's sexual teachings, 250; unfriendly relations with, 331-32; on the university faculty in the 1740s, 148 Wallerius, Nils, 148, 244

[484] INDEX

Wallin, Georg, 54, 103 Wandelaar, Jan, 105 Wänman, Carl, 223 Warg, Cajsa, 149, 218, 220, 324 Wargentin, Pehr Wilhelm: Bible Commission, member of, 370; complaint about the cost of travel to Stockholm, 330; on the condition of the elderly Linnaeus, 387; correspondence missing from, 233; correspondence with, 332, 380; Linnaeus's supposed atheism, letter raising, 366; mediation between Solander and his mother, attempt at, 399; as mediator for Linnaeus, 332, 431n20; as part of the new generation in science, 131; request that letters to Haller be burned, 386-87 Warmholtz, Carl Gustaf, 50 Wästberg, Pär, 443 water: all things beginning in, 361; decreasing levels of, 156, 166; Linnaeus's fear of the sea, 163, 171; steady expansion of land coinciding with reduction of, 155-56 Weber, Max, 292 Wedberg, Anders, 363 weddings, spring and, 55 Weibull, Martin, 43 Westbeck, Sacharias, 136 Westerberg, Mats, 46 Wetzel, Walter, 403 Widegren, David, 27 Wiklund, Karl Bernhard, 80, 417n35 Wikman, K. Rob, 171, 433 Wilcke, Johan Carl, 340 wild men raised by animals, 298 wild strawberries: drawing of, 302; medicinal qualities of, 303, 382, 389; regular consumption of, 323 wild-strawberry girl, 360 Willughby, Francis, 58 Wilson, Edward O., 404-5 Winge, Erik, 47 wisdom, 84, 298-300, 362-63 witches, witchcraft, and witch-hunting hysteria, 18, 164. See also occult, the Wolff, Christian, 119, 362, 366 Wolffianism, 57

wolverine, 126
women: as botanists, 165, 245–46; Eve,
creation of, 370–71; example of nobility
in, 376; fashion for, views on the topic
of, 264; interest in during provincial
travels, 165; in Linnaeanism, 408;
reaction to Linnaeus's sexual system,
247–48; on women's dress in Sweden
and Holland, 108
wooden clogs, 174
work habits: data management, 229–30;
daylight and 230; depression and

work habits: data management, 229–30; daylight and, 229; depression and, 230–31; hours devoted to work, 228–29; publication, 241 (see also publication/ publishing); volume and variety of work piling up, 231. See also professional networks

Wrangel, Carl Henrik, 201
Wrede, Elsa Beata, 246
Wrede foundation, 91
writing style, 1, 53; comparison of the
Lapland and Dalarna travelogues,
94–95; electricity and lyrical, 352–53;
in Lapland travelogue, 65; legacy of,
408; Linnaeus's standards for, 177;
metaphors, use of, 350; mixed comments on Linnaeus's, 176–78; mythological references in Lapland travelogue,
68–72; as an old man, 386; poet,
Linnaeus as, 179; in provincial travelogues, 162–63, 167–68; superlatives in
letters, 178. See also language

Zeidenzopff, Ernst, 31
Zetzell, Pehr, 351
Ziervogel, Frederic, 201
Zimmerman, J. G., 343
Ziöberg, Magnus, 284
Zoëga, Johan, 320, 323
Zoll, Kilian, 408
zoology: beginning of modern/scientific, 125, 128 (see also taxonomy project); creation of orderly system for, 120–21; overtaking of botany in Linnaeus's work by, 279
zoophytes, 280, 282, 286
Zschotzscher, J. C., 31