Remarkable, extraordinary, almost always favourable — that is the picture of Leonardo da Vinci handed down by the writers and critics of the past. They describe a multi-talented, endearing, attractive young man, who not only astonished his contemporaries as a visual artist, but was equally impressive as a scientist and a musician. While it was widely known that he also had other characteristics which might have caused concern in those days, for already as a young man he was reputed to have homosexual inclinations (Beltrami, nos 89) — a criminal offence at the time — by the 16th century these were accepted almost as a matter of course as part of his make-up as a genius (Lomazzo, I, p. 104). The only thing that people really held against him was his tendency to start works but not to finish them. Again and again his biographers bemoan the breadth of his interests because of the consequences this multitude of interests had for his art: "But while he was spending time on his researches in areas that are no more than of passing interest to art, his inconstancy and unreliability meant that he finished very few of his works; his talent strove so strongly for perfection and he was so demanding of himself, that he started numerous things but then cast them aside again" (Chastel, p. 72) — as reported by the humanist Paolo Giovio in his 1527 collection of lives of famous men, which also included other artists such as Michelangelo and Raphael. Giorgio Vasari made similar comments in his Lives of the Artists which first appeared in 1550: "He would have been very proficient at his early lessons if he had not been so volatile and unstable; for he was always setting himself to learn many things only to abandon them almost immediately."
Born on 15 April 1452 in Vinci not far from Empoli, it seems likely that the young Leonardo's early signs of intellectual ability and artistic talent were the reason that he was sent to become an apprentice to the Florentine painter and sculptor Andrea del Verrocchio (1433–1485). His first biographers make frequent reference to the young artist's outstanding facility in the art of drawing, for instance in Vasari's account: "Besides this, Leonardo did beautiful and detailed drawings on paper which are unrivalled for the perfection of their finish. (I have an example of a superb head in coloured silverpoint.)" Vasari also reports – admittedly only anecdotally – on the beginning of Leonardo's career as an artist: his father, Ser Piero, "one day took some of Leonardo's drawings along to Andrea del Verrocchio (who was a close friend of his) and earnestly begged him to say whether it would be profitable for the boy to study design. Andrea was amazed to see what extraordinary beginnings Leonardo had made and he urged Piero to make him study the subject. So Piero arranged for Leonardo to enter Andrea's workshop. The boy was delighted with this decision, and he began to practise not only one branch of the arts but all the branches in which design plays a part."

This tale of the young genius who had already mastered the rudiments of his future métier even before he became an apprentice is of course part of art-historical legend; similarly the story of the close friendship between Leonardo's father and his future teacher Verrocchio may have been somewhat embellished. Yet the young Leonardo does seem to have displayed extraordinary talent as a draughtsman at a very early age. No other artist of his generation left behind such an extensive, authenticated wealth of graphic works. Even his earliest extant works from the 1470s demonstrate that talent in metalpoint and with the quill which his biographers were
already referring to anecdotally in the 16th century. Typical of his sheer pleasure in drawing are the small, almost whimsical sketches of figures in motion, executed with short, energetic strokes of the pen. Alongside recognisable images there are freer exercises allowing his unique 'graphic' imagination to come into play. At the same time, other drawings from his early years demonstrate the disciplined attention to detail which all artists have to strive for during their training. This is particularly noticeable in the drawing of a lily (illus. p. 14), which was clearly a study for a painting. It is equally evident in the metalpoint drawing of a warrior from ancient times (c. 1472): this conforms to a particular type favoured in his master Verrocchio's workshop, which in turn drew on the models of Antiquity. It may well be that young artists such as Leonardo practised their skills using just such models. And indeed, at one point in his later Treatise on Painting (fol. 34) Leonardo advises artists to practise drawing by studying good reliefs and sculptures.

Leonardo's early, meticulous studies of draperies also give the impression of having been drawn from life. This is confirmed by Vasari's account: "...and as he intended to be a painter by profession he carefully studied drawing from life. Sometimes he made clay models, draping the figures with rags dipped in plaster, and then drawing them painstakingly on fine Rheims cloth or prepared linen. These drawings were done in black and white with the point of the brush, and the results were marvellous..." These carefully executed drawings served the artist both as studies and as a guide for the draperies in later paintings. Since they were in a sense models, these drawings were carried out with the greatest possible attention to detail in various techniques, often on durable linen, so that the next generation of young artists could learn from them.
Besides studies of the models usually found in artists' workshops, Leonardo also made equally important studies from Nature. These are typified by the work he produced even when he was still an apprentice, such as his earliest extant dated drawing, now in the Uffizi in Florence. In the upper left corner, in his own characteristic mirror-writing, are the words "on the day of St Maria of the Snow Miracle 5 August 1473". This study in pen and ink over a barely visible preparatory outline shows a view of a valley with hills to either side, the horizon in the distance, and — with a small effort of imagination — the sea. Probably first sketched in pencil in the open air and then reworked with pen and ink in the workshop, the view may well show a path leading from Vinci to Pistoia. In the early 20th century Woldemar von Seidlitz (I, p. 38) even felt he could identify the fortifications of Papiano in the walls and towers on a hillside on the left of the composition. This drawing, which counts as one of the earliest autonomous landscape sketches in art history, not only bears witness to the increasing importance of studies from Nature in the 15th century, but also demonstrates the efforts artists were making to subordinate the features of the visible world to their own creative will. Thus, for instance, the crowns of individual trees on the hill on the right are simply sketched in schematically with rapid cross-hatchings. In places these cross-hatchings combine to form oscillating patterns that go well beyond the immediate imitation of Nature.

Leonardo's studies from Nature and from life were of direct practical use in his paintings. Almost every painting required a landscape in the background, in many others painters had to portray draperies and fabrics, and very frequently, of course, they had to depict garments worn by the Virgin Mary and the Angel. If we are to believe the anecdotes passed on by Vasari, one of Leonardo's earliest painted works was of just such a draped
figure. Vasari reports the following circumstances regarding the painting, the *Baptism of Christ* (illus. p. 11), for which Andrea del Verrocchio had already done the main work: "Leonardo painted an angel who was holding some garments; and despite his youth, he executed it in such a manner that his angel was far better than the figures painted by Andrea. This was the reason why Andrea would never touch colours again, he was so ashamed that a boy understood their use better than he did."

Of course while not every detail of this anecdote might withstand rigorous examination, nevertheless the bold assertion that Andrea del Verrocchio gave up painting after this collaboration with his pupil is perhaps not all that far-fetched. There are in fact scarcely any paintings that can be attributed to Verrocchio after the painting of the *Baptism of Christ*. Is it really possible that the master stood aside in favour of his pupil? New investigations, however, provide rather more conclusive results than mere anecdote, showing that the angel on the left edge of the picture is indeed different in its technique and style to the figures by Verrocchio. Even before this, various commentators had already pointed out that the position of the kneeling angel would seem to anticipate motifs of figures in motion which are regarded as typical of Leonardo: the rotation of the upper body contrasts with the way the head is turned, the movement of the left elbow is continued in the position of the right upper arm. In addition, the gentle shading of the skin-tones in the face of the angel are distinctly different from the harder style usually found in Verrocchio's work. Similar observations may be made on the strength of investigations into the technique used for the central figure of the painting: the body of Christ was evidently reworked in oils at a later stage, with the result that the shading of the skin seems softer than that on the body of John the Baptist painted by Verrocchio using tempera.
Thus, while the angel at the left edge of the picture and the reworking of the figure of Christ may largely be attributed to Leonardo, the overall composition of this altar painting and most of its details are by Andrea del Verrocchio alone. The artist was guided in these partly by the descriptions of the Baptism of Christ in the Gospels (Matthew 3.3-17; Mark 1.9-11) but mainly by older pictorial conventions: Christ, who has removed most of his clothes, is standing on the stony river-bed of the Jordan and is being baptised by John on his right. Above him hovers the dove of the Holy Spirit, beyond this we see the hands of God the Father. At the left side of the picture one of the two angels holds Christ’s robe, and a palm in the background closes off the pictorial space. The somewhat schematic palm — in its role here as the tree of paradise symbolising salvation and life — seems archaic in its appearance. In marked contrast to this archaism — which underlines the symbolic character of the tree — are various other painterly elements of this composition, in themselves typical of many paintings by Leonardo. The landscape, which also shows signs of having been reworked a number of times by the younger painter, stretches in an apparently wholly natural manner throughout the entire depths of the picture. Clear waters play around precipitous cliffs, a warm light spreads from the left across the group of figures in the foreground, dramatically cleft mountains contrast with the smooth expanse of water and fade in the distance into a soft blur; directly above the horizon the blue of the sky lightens until it becomes a gleaming white.

The Baptism of Christ is a demonstration of artistic independence and dependence at one and the same time. While the reworkings by Leonardo and angel itself already point to an independent artistic personality, the actual circumstances of the young painter in the mid-1470s would seem to
indicate that he was, to a degree, still dependent on his master and the latter's workshop. At this time, when he could long have been independent, Leonardo was in fact still living under Verrocchio's roof. Therefore it is hardly surprising, that almost all the early paintings attributed to Leonardo, are to an extent indebted in their appearance to the works of his master. This applies, amongst others, to the Annunciation in the Uffizi in Florence (illus. pp. 13–14**). The rich ornament of the decorative sarcophagus placed before Mary, for instance, has much in common with a similar work that Andrea del Verrocchio made in 1472 for the Old Sacristy in the Church of S. Lorenzo in Florence.

In his design for this large altar painting Leonardo drew mainly on the pictorial conventions of the 15th century: the Archangel Gabriel is kneeling in the garden of the Virgin (Pseudo Jacob 11; Luke 1.26–38) who receives his news sitting at her reading desk, and learns that she has been chosen to bear the Son of God. The scene is flanked to the right by relatively contemporary architecture, the middle ground is closed off by a low wall reaching to about knee-height with a small opening in it. This opening — which serves as a background to the gesture of greeting by Gabriel and the lily in his left hand (a symbol of Mary's purity) — also reveals a path disappearing into the distance. The furthest most point of the scene is marked by the sharp silhouettes of a small wood and mountains in the distance against the glowing sky.

There is by no means unanimous agreement on the attribution of this painting of the Annunciation to Leonardo. There is only agreement that the lengthways composition, the Archangel Gabriel and parts of the landscape are the work of Leonardo — and, in fact, a study by Leonardo for the right arm of the angel has survived to this day (illus. p. 15). Similarly the
mountains fading bluely into the morning mists in the background are distinctly reminiscent of work by the young Leonardo in Florence, who was often to return to this theme in later works. Leonardo's touch is particularly evident in the masterly treatment of the elements, water, air and light, which become increasingly — atmospherically — dense around the steep foothills of the almost Alpine ridges and peaks in the distance. Leonardo was later to describe similar phenomena in several passages in his Treatise on Painting: "Such horizons in painting are most beautiful to see. Of course to either side there must be some layerings of mountains, as the diminution of colours in great distances demands." (fol. 283v).

Evidence of Leonardo's close attachment to his master is also to be found in the small Madonna, which is regarded as his first independent work, the so-called Madonna with Carnation in the Alte Pinakothek in Munich (illus. p. 6). Most likely painted during his time with Verrocchio, in this work — with its small columns in the middle-ground and landscape in the background — Leonardo is drawing on aspects of works by the Old Dutch Masters. The figures of the Madonna and the Christ Child, on the other hand, clearly pay allegiance to the pictorial forms favoured in Verrocchio's workshop. Such Madonnas, intended for domestic use and private worship, were found widely in 15th century Florence. Besides portraying the loving relationship of Mary and the baby Jesus, Leonardo also includes symbols of customary elements of Christian belief: in an unpractised gesture the Christ Child reaches out with his little hands for a red carnation, the symbol of the Passion of Christ, pointing in this depiction of childlike innocence to the later Crucifixion awaiting the Saviour. Equally important for its symbolism is the crystal vase filled with flowers at the right lower edge of the painting, an unmistakable indication of the purity and virginity of Mary. At the same time, motifs such as the carnation and the crystal vase, which
demand great skill on the part of the artist, allowed Leonardo to give an impressive demonstration of his talent, as also in the masterly fall of the fabric across the Madonna's lap, with its intense coloration that gives life to the deeply shaded and otherwise undynamic foreground.

Occasionally Leonardo made short inventories of the works in his possession. From these we can tell that during his first years in Florence he made several small pictures of the Madonna. This is not only borne out by the few surviving works but also by a number of sketches (illus. p. 17). In these sketches there are clear signs of the young painter's urge to test out — within the limits of convention — the possibilities of movement and expression. At the same time, however, there are also experiments in pure flights of fancy which, using the medium of drawing, take liberties of completely free artistic expression not permissible in easel paintings.

The influence of Flemish style and pictorial forms, which may be seen in Leonardo's Madonna with Carnation and in his later Adoration of the Kings is seen at its most striking in the Portrait of Ginevra de' Benci. This portrait is the first fixed point of reference in the œuvre of Leonardo the painter: it is the earliest extant work for which we have reliable documentation and information. Much more than his religious paintings so far, it breaks away from the pictorial conventions of the Verrocchio workshop — not least in the fact that it is his first secular painting. The most remarkable feature of this small portrait is the closely packed distribution of the pictorial space. The young woman, Ginevra de' Benci, close to the front edge of the picture, is sitting in front of a juniper bush, which seems to surround her head like a wreath and obliterates a large part of the background. Comparable 'close-ups' were already to be found in Flemish portraits, as first painted by Jan van Eyck a generation
earlier and popularised by Hans Memling. Similarly, the format — cut off at
the lower edge — and the very natural appearance of the juniper plus the
position of the figure are all reminiscent of earlier Flemish portraits.
The young woman's upper body, virtually diagonal to the picture surface,
contrasts with her head which is turned almost completely towards the
viewer, with the result that — despite her rather listless expression — she
does radiate a certain dynamism. It is perhaps worth noting that Ginevra's
interesting pallor is most likely determined by artistic considerations
than being a symptom of a sickly constitution as some sources would have
it.

The juniper in the middle-ground indubitably dominates the portrait of
Ginevra and is more than an ornamental accessory, for — like certain other
plants — the juniper was a symbol of female virtue. Furthermore, the
Italian name 'ginepro' was not unrelated to the name of the sitter,
Ginevra. There is a complex sequel to these allusions on the reverse of the
portrait which is, unusually, also painted. There, on imitation red
porphyry marble, we see laurel, juniper and palm branches linked to each
other by a swirling garland with the words VIRTUTEM FORMA DECORAT: 'Beauty
adorns Virtue'. The inscription, the plant-attributes and the painted
marble all underline the connection between beauty and virtue. With its
imitation of red, immensely durable porphyry marble — in itself a
remarkable substance — the reverse of the portrait speaks of the resilience
of Ginevra's virtue. The laurel branches and palm fronds framing the
garland with its inscription are associated with Bernardo Bembo who
commissioned the painting, for both featured in his own personal arms. The
juniper in the centre, growing from the garland, is yet another allusion to
Ginevra's name and the virtues of chastity and faithfulness. At the same
time the ever-green laurel points to Ginevra's aspirations as a poet, which
we know of from Bembo and other writers. The palm frond, too, is a traditional symbol of virtue. The inscription VIRTUTEM FORMA DECORAT, so closely intertwined with the plants as symbols of virtue, makes the connection between beauty and virtue, which was a topos of contemporary literature just as much on the front of this portrait, where Ginevra's gentle beauty is also to be understood as an expression of her virtue. The front and the reverse of this portrait could hardly be linked more closely.

2. Beginnings without Ends — 1478–1482

Leonardo's early paintings would seem to indicate that he was only receiving small-scale commissions at the time. Clearly it was not simple for the young artist to make his mark on the Florentine art-market, and it is true that there was no shortage of good painters: Antonio del Pollaiuolo shone brightly with his important commissions, Sandro Botticelli was just approaching the highpoint of his career, and Domenico Ghirlandajo, Michelangelo's teacher, was already running an extensive, highly successful workshop. In the face of competition like this obviously talent alone was not enough: good personal connections were vital (as helpful to professional advancement then as they are today). The year 1478 saw his first attempts to secure larger-scale commissions through personal recommendation, and he was indeed commissioned that year to paint an altar-piece for the Bernhard Chapel in the Palazzo Vecchio, the seat of government in Florence. It is likely that Leonardo's father played a part in this, for by now the latter had made a considerable reputation in Florence as a successful notary and had already done a certain amount of work for the 'Signoria' (the Town Council). Yet, even although the artist
received a generous advance of 25 gold ducats three months after the contract was signed, he never finished the painting (Beltrami, nos 10-11).

Even if Leonardo perhaps never even started the painting for the Bernhard Chapel, by the late 1470s he seems to have gradually established himself as a painter. This was probably when he started the medium sized altar painting with St Hieronymus. This picture, which has somewhat suffered the ravages of time, was never finished but nonetheless allows us to see an approximation of Leonardo's original intention. The Saint is portrayed as a penitent in the dessert, here indicated as a barren landscape with smallish rock formations. With his suffering showing in his face, St Hieronymus is kneeling almost exactly in the centre of the pictorial space. His left hand touches the seam of his open robe while his right hand grasps a stone and is drawn right back in preparation for a blow. On his emaciated, bony chest there is a dark patch in the region of his heart — in all likelihood a blood-soaked wound which the Saint has inflicted on himself during his penance. A lion with his mouth wide open, lying immediately in front of Hieronymus — his pet and his attribute, for once he had pulled a thorn out of the lion's paw — seems to be watching the proceedings. It is just possible to see that in fact the Saint himself is looking towards a Crucifix placed parallel to the right-hand picture edge. Thus a link is created between his own suffering as a penitent, the Crucifixion, and the suffering of the Saviour.

In his depiction of Hieronymus, Leonardo was giving form to artistic ideas which he was to return to in greater detail in later years both from an art-theoretical and a 'scientific' point of view. In formal terms, the figure conforms to the simplest type of pose studied at the time in artists' workshops, namely the so-called kneeling figure. Painters'
apprentices would use clay or wooden figures in the relevant pose as models for their drawing exercises. Besides this, in this portrayal of Hieronymus, Leonardo also gave form to wider ideas: the suffering facial expression of the Saint reflects contemporary notions of physiognomy and physiology, which the artist was later to record in his notes and develop yet further. Furthermore, the musculature and sinews of the shoulder may be taken as an early indication of Leonardo's interest in the outer appearance of the human anatomy.

It seems probable that Leonardo received his most important commission to date while he was still working on his St Hieronymus: he was asked to paint a large panel with an 'Adoration' scene for the high altar in San Donato a Scopeto, the church attached to an Augustine monastery outside the city gates. The importance of this commission could well have been the direct cause of the artist leaving the smaller Hieronymus panel unfinished. Leonardo's father, who administered the monastery's business affairs, may have been instrumental in setting up the commission for an 'Adoration' in March 1481 (Beltrami, no. 16). The fact that a year later Leonardo left this painting unfinished, too, may well have been due to his move to Milan.

Despite its unfinished state, the main features of the composition of the almost square Adoration are clearly identifiable. Mary with the Child Jesus is seated in the centre foreground in front of a barren, rocky rise, out of which two trees are growing. The three kings who followed the Star of Bethlehem on their journey from the East worship before the Child sitting on His mother's lap. The first king, Balthasar, is bowing low to the Mother and Child at the left. In the right foreground, the second king, probably Caspar (the oldest of the three), has sunk to the ground in awe; the Child is blessing him as he offers his gift. Meanwhile the figure kneeling in the
left front foreground, with his head raised, is most probably Melchior, the youngest of the three kings. In addition numerous other figures are grouped in a semi-circle round the Madonna: these include Joseph (either in the figure of the old man at the far right of the picture or the old, bearded man behind the Madonna herself) and various members of the kings' entourages. There is a striking variety of movement and gesture amongst the figures in this composition. Most of the players are entirely focused on the Mother and Child, while some are looking up towards the sky, possibly at the Star of Bethlehem — as seen, for instance, in Sandro Botticelli's Adoration (illus. p. 24) painted only shortly before — and which Leonardo had intended to include in his own composition. As it happens, the semi-circular group of figures in the foreground is also inspired by his older colleague's depiction of the 'Adoration'.

While the figures in the foreground crowd around the Madonna and Child, the people and creatures from the kings' entourages are dispersed much more loosely in the background. As is often the case in representations of the 'Adoration', in the background we see the ruins of the palace of King David, alluding to an Old Testament ancestor of the Christ Child. The two young trees growing in the ruin correspond to the two trees near the Madonna and Child, and may be read as symbols of a new era, a time of peace and mercy that was to follow the birth of Christ. The taller of the two trees in the middle-ground is clinging by its roots to the inhospitable surface of the rocky rise, with one of these roots apparently linking the tree itself and the head of the Christ Child. It is possible that this link is an illustration of the interpretation of the legend of the Adoration as found at the time in the popular Legenda aurea: here it was said that the kings had seen, in metaphorical terms, five stars rather than just one, and that the fifth — Christ himself — was to be interpreted as the "root and
the tree of David" (ed. Benz, p. 108). Lastly, the two horses rearing up in the background, which look at first sight as though their riders must be in combat, may also be a reference to another medieval legend: according to this account, the three kings had at one time been bitter enemies. It was only after their miraculous journey and after having witnessed the Coming of Christ, the Saviour, that they made peace with each other, as did the whole of the rest of the world too. The violent confrontation of the two horses in the background is an allusion to their former enmity, in itself in stark contrast to the era of peace portrayed in the image of worship in the foreground. With this division of the pictorial space into foreground and background, Leonardo draws a clear line between the time before the Advent of the Lord and the age of Grace which began with the birth of Christ and His adoration by all peoples.

3. New Artistic Departures in Milan — 1483

Leonardo had not finished his Adoration when he left his native town at roughly the age of thirty in late 1482 or early 1483 to make a new start as an artist in Milan. We can only guess at his reasons for leaving Florence. In view of Milan's status as one of the leading cities in Europe, presumably Leonardo hoped to secure more important commissions than had come his way in Florence. First and foremost amongst commissions for which he might bid in Milan was the proposal for a larger than life equestrian statue of Francesco Sforza put forward by Ludovico il Moro, the Governor of Milan. This project was intended by Ludovico both as a memorial to his father Francesco Sforza and to enhance his own reputation, and Leonardo refers specifically to it in his famous letter of application, which he probably sent to the court in Milan in 1482 or 1483. In this letter above
all Leonardo stresses his talents as a military engineer, and only remarks in passing, as it were, that as a painter he could hold his own with any other artist. Clearly Leonardo felt his best hope of employment was as an engineer or military architect, since Ludovico Sforza, like other despots in those days, was constantly involved in military conflicts of all kinds.

Leonardo's wordy letter to Ludovico il Moro seems initially to have missed its mark because his first commission as an artist was not from the court of the Sforza family, but from the Franciscan Confraternity in the Church of S. Francesco Grande. The Confraternity commissioned Leonardo along with two local artists to paint a large altar-piece for their recently completed chapel, dedicated to the Feast of the Immaculate Conception of the Virgin Mary. The contract contained detailed instructions for the artists regarding the painting and gilding of the large altar retable which the joiner had already finished in 1482 (see plan on p. 30). Leonardo painted the central panel, which has survived in two versions. The older of the two is in the Louvre in Paris while the second version is in the National Gallery in London (illus. p. 31). The side panels are also in the same gallery in London, with two angels making music painted by Leonardo's colleague Ambrogio de Predis. Several reliefs depicting scenes from the life of Mary plus prophets and God the Father up above complete the front of this monumental altar retable. A niche in the centre of the retable housed the actual devotional image of the Immaculate Conception: a wooden sculpture of the Madonna and Child. Leonardo's Virgin of the Rocks was then placed on a pulley in front of this niche, concealing the Immacolata – the sculpture of the Madonna and Child – for 364 days of the year. It was only on 8 December, the Feast Day of the Immaculate Conception, that Leonardo's painting was lowered mechanically, revealing the devotional sculpture, so that it might be worshipped directly. Thus it seems that Leonardo's Virgin
of the Rocks was in fact a 'screen painting' behind which the actual devotional image was concealed.

Leonardo portrayed the Virgin Mary together with the infant St John, Christ and an angel either in, or in front of, a rocky grotto—hence the title by which we know it today, the Virgin of the Rocks. The very youthful Mary, in a dark blue garment, is sitting or kneeling almost exactly in the centre of the composition. She is gazing gently down towards the infant St John who is engaged in prayer; she has her right hand around his shoulders, while her left hand is raised protectively above the figure of Jesus. To one side of the scene is an angel, most probably Uriel who—in the Paris version at least—gazes out of the picture with a quiet smile, establishing contact with the viewer. With his right hand, as John's guardian angel, Uriel is pointing towards the child whose hands are clasped in prayer, with his left hand he is supporting the Child Jesus sitting in front of him, who is also turned towards John, raising one hand in blessing. Thus the figures are interconnected by a rich pattern of glances and gestures, with the viewer drawn into the whole by the figure of the angel.

In both versions of the Virgin of the Rocks it seems that the rocky, stony ground falls away sharply in the foreground. This immediately makes it clear that the location is somehow distant and secluded, and this is further emphasised by the wildly rugged rock formations in the middle and background. In several places we can see through to water and a mountain landscape shrouded in light and mist. In addition, in the Paris version, there is a broad area of blue sky closing off the top of the composition. The radiance of the background, the shimmering of the water and the plants here and there soften the inhospitable atmosphere of the rocky location. This effect is continued in the light entering in the left foreground. Some
of these elements may be read as religious symbols: the water and the pearls and the crystal which are used to fasten Mary's robe may all be taken as symbols of her purity. This in itself would make the connection with the immaculate conception of Mary, to whom the chapel of the Virgin of the Rocks was dedicated. The rock formations may possibly also be read in terms of Marian symbolism, alluding to similar topoi in prayers to the Virgin — and the same may well also apply to the later painting of the Virgin and Child with St Anne (see pp. 64ff.). The Mother of God was regarded as the rock, not cleft by human hand, and the inhospitable stone formations, eroded by natural forces might therefore be interpreted as a metaphor for Mary, pointing to her unexpected fertility. In addition, the cleft rock was regarded as a safe refuge for the infant St John and the Christ Child.

In Leonardo's painting for the Confraternity of the Immaculate Conception the infant St John clearly has a particular role, and indeed his presence in the iconography of the painting is unusual. A meeting between John and Christ as infants is rare. No such meeting recorded in the Bible itself, only in the so-called Books of the Apocrypha. These contain accounts of the flight into Egypt including descriptions of Mary and Jesus apparently meeting John in the wilderness. It is possible that the figures and the rather barren surrounding in Leonardo's painting go back to these accounts. The deeper meaning of this masterly portrayal of the meeting between John and Christ in hostile surroundings derives directly from the religious convictions of those commissioning the work. The Franciscan brothers who commissioned the altar retable and the Virgin of the Rocks felt specially close to Christ, St Francis and John the Baptist. Thus they would have identified with the infant St John worshipping Christ but also being blessed by Christ and in the care of the Virgin Mary. So, in this work the
Confraternity was doubly present, as it were: once facing the picture as they performed their acts of worship and devotion, and once in the picture itself in the figures that had particular meaning for them. Moreover, Mary's hand and a section of her robe lie around John, showing that the Child and, by implication, the Confraternity is under Mary's protection. The motif of protection is depicted both in Mary's robe round the child and in the location itself, for the rocky surroundings can be read as a metaphor for a safe haven. This might also explain the intense effort Leonardo put into the portrayal of the rocky background and the garments. Mary's robe is almost monumental in its dimensions and — certainly in the Paris version — seems to match Uriel's seemingly billowing garment. Similarly the surrounding landscape appears to be sheltering the figures in the foreground.

The harmonious composition and the masterly design of the Virgin of the Rocks of course give no hint of the irksome legal disputes that Leonardo and his two colleagues had to weather shortly after the work was completed. There was a bitterly complex disagreement about payment: the artists threatened to sell the work to an art-lover who had clearly offered them more than the Confraternity was prepared to pay. It was probably this dispute which led to the making of the second version of the Virgin of the Rocks — the version which is on view today in London and which in fact adorned the Brothers' chapel in San Francesco Grande in Milan during the 16th century. The older version was most likely quickly acquired by an art-lover, possibly Ludovico Sforza, who then gave the picture either to the Emperor Maximilian or the King of France (see p. 81).

With the Virgin of the Rocks Leonardo had certainly established himself as a painter in Milan, but the hope of a position as court artist that he had
expressed in his letter to Ludovico Sforza was not to be fulfilled until some years later. To this day we have virtually no information on what professional activities Leonardo undertook to keep his head above water in the mid to late 1480s in Milan. All we know for certain is that he made designs for military devices and machines, some of which were positively fantastic. He drew weapons of all kinds, fortifications, complex defence systems, siege equipment and much more. Amongst the curiosities of this phase are the heavily armoured vehicles whose immense weight would have all but prevented them being moved forwards, or in any direction at all for that matter. Other ideas seem more immediately dangerous, such as his suggestion that the fire-power of small cannons could be increased by using multiple shot and an automated loading system. Positively gruesome are the horse-drawn carts equipped with scythes with which the enemy could literally have been mown down. Leonardo copied at least one device of this kind from a contemporary military treatise, Roberto Valtario’s De re militari of 1472, and drew it several times. However, he accompanied this with a distinctly ironic written warning that this kind of equipment could do just as much damage to one’s own troops as to those of the enemy.

Fortunately Leonardo did not restrict his skills as a draughtsman to military equipment alone. At the same time as he was inventing the latter, he was also testing out his expertise in the field of architecture, making designs for sacred buildings and setting about impressing the Milan Cathedral Workshop with his architectural designs. There are records of a number of small payments to the artist for work carried out in this connection. More important than this are Leonardo’s numerous sketches for centrally planned buildings – even if it seems that none of the plans had direct results – for these reflect the architectural debate during the late 15th century on the matter of sacred buildings with a ‘centred’ design. It
was only towards the end of this decade that Leonardo seems to have turned back more productively to the visual arts. It is feasible that this was the time when he painted the Madonna Litta, a small-format representation of the Virgin Mary and the Christ Child, although the attribution of this work to Leonardo remains as contentious as ever. The overall harshness of the outlines of both figures plus the comparatively unspectacular background in terms of atmosphere lead one to suspect the hand of a pupil here who had been given the work to execute or to finish by his master. At the same time, an authenticated preparatory study by Leonardo for the Madonna Litta does show that he was directly involved at least in the composition of the picture.

4. The Artist as Natural Scientist

In the mid to late 1480s, when Leonardo was attempting to establish himself as a court artist, he seems to have started on his huge range of drawings that touch on almost all areas of science, and which to this day constitute a significant part of his reputation. Besides technical, artistic and 'scientific' drawings there are also various studies from this period which can really only be described as fantastical. This applies as much to some of the military equipment already mentioned here as to his numerous designs for flying machines. These drawings are intriguing and fascinating in themselves, and not simply with regard to the potential airworthiness of these machines. No doubt the artist was fully aware of the problems that would come with any such undertaking. Nevertheless he returned again and again to studies of the flight of birds, the aerodynamics of flying and the construction of wings. Curiosity and fantasy clearly spurred him on to make studies and designs which went far beyond the technical capabilities of his
own times. One might even describe such determination as a triumph of 'scientific' curiosity (if we may already use term 'science' here) over any prospect of these designs being realised in practice.

During the late 1480s, when he was working on the equestrian monument to Francesco Sforza (see below), Leonardo also embarked for the first time on extensive groups of studies on the proportions of the human body, on anatomy and physiology. Thus in April 1489 he began on a book with the title 'On the Human Figure'. In connection with this book project — which was of course never finished — he made systematic studies of two young men. After what must have been months of taking measurements, as he was doing at almost exactly the same time with horses belonging to his patron Ludovico il Moro, he arrived at a systematic overview of human proportions, at which point he then started to look at the proportions of sitting and kneeling figures. The results of his anthropometric studies — taking human measurements — he then compared these with the only surviving theory of proportions from Antiquity, namely Vitruvian man. Vitruvius, a moderately successful architect and engineer during the days of the Roman Empire had written a treatise on architecture which included in its third book a description of the complete measurements of the human body. These led him to conclude that a man with legs and arms outstretched would fit into a square and a circle, perfect geometric figures. And, still according to Vitruvius, if the figure were to be shown within a circle and a square ("homo ad circulum" and "homo ad quadratum") then the centre of the human body would coincide with the navel. Vitruvius's measurement were frequently illustrated during the Renaissance and later — with widely differing results. The best known of these drawings is Leonardo's; rather more notorious is the woodcut by the Milanese surveyor Cesare Cesariano showing a figure who not only has a remarkable erection but also has enormous hands.
and strikingly long feet (illus. p. 37). Like many other authors, Cesariano
had understood the geometry of Vitruvius's description as a medieval civil
engineer would, and had related the two figures, the circle and the square,
directly to each other: that is to say, the circle fits perfectly round the
square, and in order to fit into this geometric construction the figure
needed to stretch out considerably — hence the huge hands and elongated
feet. Leonardo, on the other hand, did not concern himself with the
geometric relationship between the circle and the square, and the two
geometric figures in his drawing are not constrained by their relationship
to each other. On the basis of his own findings he corrected
inconsistencies in Vitruvius's measurements, guided throughout by his own
empirical knowledge of human measurements. Thus the hands and feet in his
version revert to a suitable size. Now only the centre of circle round the
"homo ad circulum" coincides with the navel, the centre of the square
enclosing "homo ad quadratum" is located somewhat lower. Through the
precision of his own measurements Leonardo had managed to overcome the canon
of Antiquity as well as creating an image that we accept as a true
representation of Vitruvius's findings.

Detailed knowledge of human proportions had already become a matter of
course for many artists by the mid-15th century, although none had devoted
such detailed attention to it as Leonardo. Having by now established
himself in Milan as an artist, he then went much further than other artists
in his anatomical studies, which he also started in the late 1480s. At this
time he certainly studied the dimensions of the human skull as well as the
different "ventricles" of the brain, although he allowed himself to be
largely misled by certain false notions handed down from Antiquity and the
Middle Ages, and by others which were simply the common currency of the
time. In keeping with these notions, Leonardo located the centre of human
common sense (sensus communis) — as the physiological switchboard of human perception — in a precisely definable spot, which he marked at exactly the point where two lines intersected (illus. p. 39). In another drawing, showing vertical and horizontal sections of the human skull, Leonardo demonstrates the notion commonly held in the Middle Ages, that the human brain consisted of three sections, which he portrays as three chambers the size of nutshells. The first of these three chambers, which are arranged one behind the other, receives sense impressions, the second processes them and the third stores them. An even more striking anatomical misapprehension which he took over from Antiquity and the Middle Ages is evident in his so-called coitus drawing. In an illustration of sexual intercourse Leonardo portrays current notions of the links between the internal organs: a tube-like channel leads from the woman's breasts to her womb, while the erect male organ is directly linked both to the testicles and the spinal cord and thus to the brain. In accordance with this, the sketches beneath this illustration showing a crossways and a lengthways section of the penis show two channels, the lower for the sperm from the testicles and the upper for the mental powers transported from the brain along the spinal cord. Later on, having made extensive studies of dissected corpses, Leonardo increasingly questioned these antiquated notions of the human anatomy and how it functions.

Leonardo's conviction that the inner organs of the human being are closely interconnected reflects his concept of the deep complexity of human nature. The two channels in the penis, as it were, illustrate the view that procreation is not just a matter of sperm but needs a spiritual substance too. This substance, which was after all coming from the very seat of the soul, provided the higher spiritual dimension, while the sperm from the testicles, with its own specific make-up, was more about lower impulses
although these would include courage in battle. Leonardo also expressed similar notions regarding the effect and the function of substances associated with different parts of the body: for instance tears came directly from the heart, the seat of all feeling. Views of this sort of course meant that particular emotional meanings became attached to different organs. Leonardo also regarded the human physiognomy as equally immediate, and endeavoured to illustrate the immediacy of facial expression in countless character heads and caricatures. These drawings — often grotesque rather than realistic, and almost always showing older rather than younger faces — above all express the idea that the human face is a direct reflection of an individual's underlying character and momentary sensations. In keeping with this view, therefore, a man whose face resembles that of a lion in all probability shares that same animal's main characteristics. In one of his studies in particular Leonardo sticks firmly to this physiognomic platitude: a man with lionine features even has a lion-skin flung across his shoulders, with the lion's head clearly visible. The same idea is also behind Leonardo's famous drawing with five grotesque heads: an old man shown in profile is surrounded by four more faces, whose strongly expressive features reveal very different, largely negative characteristics. They seem to be mocking the man in the centre, jeering and grimly staring at him, while the man in profile proudly does not deign to notice their scorn — his own features are not distorted like those of his would-be tormentors, but nevertheless deeply lined and marked by Fate.

5. Leonardo: Court Artist in Milan

Between 1487 and 1490, in other words at much the same time as he was embarking on his anatomical studies, Leonardo took up a position at the
court of Ludovico il Moro in Milan. Here he organised festivities and worked for several years on the equestrian statue of Francesco Sforza (which was never realised), made a name for himself as a portraitist and painted his famous mural of the Last Supper. Amongst his earliest completed works as court artist are a number of portraits, including the captivating Lady with an Ermine (Cecilia Galleriani) and the so-called Belle Ferronière (illus. p. 49), although there is not unanimous agreement that the latter should be attributed to Leonardo. Similar uncertainty surrounds another portrait made during Leonardo's time in Milan: the portrait of a young man, taken to be a musician because he is holding a sheet of music in his right hand. Compared to the portraits of the Belle Ferronière and Cecilia Galleriani, this image of a young man looking out of the picture towards the right seems rather wooden, which is no doubt partly due to the fact that the musician's upper body is angled in the same direction as his gaze. In the portraits of the two women, there is contrary-motion: when the upper body is turned to the left, the head faces to the right. Both of these portraits are in keeping with a dynamic style of portraiture which Leonardo was already working towards in the Portrait of Ginevra de' Benci (see pp. 19ff.) and which he made explicit reference to in his Treatise on Painting (fol. 122). His ideas on the portrayal of a figure in motion are seen most distinctly in the Lady with an Ermine (Cecilia Galleriani), for in this the contrary-motion of head and body is particularly clear. Moreover the ermine repeats the movement of the young woman, whose elegantly curved hand in turn corresponds with the movement of the animal. On the one hand the ermine is an allusion to the sitter's surname, for the sound of the name 'Galleriani' is reminiscent of the Greek word for ermine, 'galée'. On the other hand, this small creature was taken as a symbol of purity and modesty, for according to legend it abhorred dirt and only ate once a day (Ms. H, fol. 12). From the late 1480s onwards the ermine could also be read
as an allusion to Ludovico Sforza, who used it as one of his emblems. Thus Ludovico, in the form of a symbolical animal, is mildly teased and gently caressed in the sitter's arms. The particularly finely balanced situation and the comparatively complex symbolism of this portrait derive from the circumstances of the young lady, for in 1489, Cecilia, born in either 1473 or 1474, was Ludovico Sforza's favourite mistress. There is documentary evidence of this portrait having been in her possession, perhaps as a memory of the premarital and extramarital pleasures she and Ludovico shared. In 1491, that is to say not long after the portrait was painted, Ludovico married Beatrice d'Este.

The elegance of courtly portraits might easily lead one to forget that at approximately the same time, Leonardo was responsible for a much more important and also much more difficult project, namely the monument to Francesco Sforza — the largest project of its kind in the modern age. It was Ludovico's intention to remember his father's military successes with an out-sized, bronze monument, which was of course also calculated to cast his own achievements in an equally impressive light. Plans had first been drawn up for an equestrian monument in the early 1470s, but their execution had been repeatedly postponed, until Leonardo — probably around 1489, or perhaps a little earlier — began on the work for the statue. In late 1492 Leonardo made a huge clay model of the horse, over seven metres (!) in height, which already featured the following year at the festivities to mark the marriage of Bianca Maria Sforza, Ludovico's niece, to the Emperor Maximilian. However, this ambitious project was not to progress far beyond the model, for in 1494 the bronze intended for the casting was designated for a different use and turned into cannons.
For some years the clay model of the Sforza monument in Milan aroused the curiosity and admiration of guests and others passing through, but after the arrival of French troops in 1499 it fell into the hands of mercenaries who had little interest in art. According to contemporary accounts the archers used it for target practice, and thus it was largely ruined. However, numerous sketches and preparatory studies have survived which convey a lively impression of the different stages and the technical challenges of the project. Thus, besides the somewhat surrealistic depiction of the armoured outer covering for the casting, there are also numerous studies for the final appearance, the movements and the proportions of the horse. The most impressive of these studies shows a rider on a horse rearing up plus an opponent who has clearly fallen to the ground and is now attempting to protect himself from further attack with his shield raised in his right hand. Since the construction of a horse rearing up on two legs would, however, have caused considerable complications regarding the stability of the statue, in the next planning stage, Leonardo decided to use the less dramatic option of a horse striding forwards. The motif of the rearing horse remained an artistic ideal, which Leonardo admittedly took up again later on, but which was not seen in sculptural form until the 17th century.

Leonardo's extensive, extravagant work on the equestrian statue served as his own best recommendation for the position of court artist to Ludovico Sforza in Milan. In this capacity, besides even turning his attention to the heating of the ducal palace, he made decorations for courtly festivities and produced paintings. As well as the portraits already mentioned above, his paintings also included the Last Supper in the refectory of the Monastery S. Maria delle Grazie (illus. pp. 52–53) and the so-called 'Sala delle Asse' in the Castello Sforzesco near Milan.
Particularly the Last Supper and, later on, the Mona Lisa led to Leonardo's fame as a painter. However, the wall-painting of the Last Supper — painted between 1495 and 1497 in not very durable tempera — already began to show first signs of decay in the 16th century, which subsequent generations have tried to halt ever since with repeated attempts at restoration. Even so, the condition of the painting, which was already described as damaged in the 16th century, has never in the slightest detracted from its immense impact. Known the world over in countless copies, reworkings and illustrations, this is the most famous version of this theme. Like the Florentine artists before him, Leonardo portrayed the Last Supper in a stage-like setting, constructed according to the rules of central perspective. The lines of perspective meet in Christ's right eye, which in itself emphasises his central position both in the actual situation and in its depiction. For his portrayal, Leonardo concentrated on the moment when Jesus sits down with his disciples and declares: "Verily I say unto you, that one of you shall betray me" (Matthew 26.21). In widely differing gestures and reactions almost all the disciples express their astonishment and horror at this news of imminent betrayal: at the left end of the table Bartholomew rises up from his chair in agitation, next to him James the Lesser and Andrew raise their hands in surprise. Peter is also getting up from his chair and looks angrily towards the centre of the picture. In front of him is the traitor Judas, leaning back in shock, but with his right hand fingering the pouch with the money he has been paid to betray the Lord. For the first time in the history of post-medieval depictions of the Last Supper, Judas is not shown sitting in front of the table, but is now behind it. Thus he is placed immediately next to John, whose reaction is more muted (he does not yet know the identity of the traitor) as he looks to the front, with folded hands, almost contemplatively. Comparatively motionless, positioned in the centre of the composition and
framed by the window behind Him, sits Jesus Himself. On his other side are
two more groups of three disciples each: Thomas, James the Greater and
Philip in one; Matthew, Thaddeus and Simon in the other.

Unlike paintings of the Last Supper by his immediate contemporaries
Leonardo imbues the scene with life by dividing the twelve apostles into
four different groups and by endowing his figures with precisely
calculated, individual gestures and expressions. The drawings, sketches and
preparatory work immediately preceding the painting itself, as well as some
eye-witness reports, all confirm the fact that the artist went to
incomparable lengths to achieve a quite particular variety of gesture and
facial expression. To this end he searched Milan and its surroundings for
strongly expressive facial types that he could use for the individual
disciples; he even sought out suitable models for their hands. These
meticulous preparations may also be seen in the intensive physiognomic
studies for the faces of James the Greater, Judas and Philip. Similarly, in
the overall composition of the work Leonardo was treading new ground in
artistic terms by dividing the twelve disciples into groups of three and
thus yet further heightening the tension in the already emotional
atmosphere of the scene. These groups are not only an element in Leonardo's
efforts to dramatise the scene, but are also connected to the location of
this 'Last Supper'. In the top section of the wall of the refectory with
Leonardo's painting there are three lunettes, which in turn influence the
rhythm of the groups of figures below: the disciples at the two outer ends
of the table are beneath the two smaller arches, while the two inner groups
and Christ himself are all beneath the central arch. The lunettes
themselves display coats of arms surrounded by plants and heraldic
ornament. In the centre is the coat of arms of the client, Ludovico Sforza
combined with those of his wife Beatrice d'Este; on his right (the viewer's
left) is the coat of arms of his first-born son Massimiliano and on his right that of his second-born son Francesco. Bearing in mind that Ludovico had had the adjoining Church of S. Maria delle Grazie altered specifically as a last resting place for his family, then Leonardo’s Last Supper is not merely an outstanding example of artistic innovation and creativity, but also a dynastic statement by his client. The same also applies to the last surviving commission Leonardo carried out for Ludovico Sforza, the so-called 'Sala delle Asse' which was created in the Castello Sforzesco between 1496 and 1498. Here Leonardo decorated a whole room with the artfully intertwined branches of several trees around a coat of arms in the highest point of the vault and tablets with inscriptions. The area around the coat of arms and the inscriptions names the most important political and private events in Ludovico’s life: his marriage to Beatrice d'Este, the wedding of his niece Bianca Maria and the Emperor Maximilian, his advancement to become the Duke of Milan and the victory over the French in the Battle of Fornovo. But Duke Ludovico was not allowed long to savour the political triumph which Leonardo had so subtly reflected in the Sala delle Asse: by 1499 the political situation had already turned upside-down. French troops poured into Northern Italy once again and in October brought Ludovico's rule to an end. Leonardo remained in Milan for a few months, but in December 1499 set off for Mantua and Venice, no doubt hoping to find new patrons there.

6. Restless Interlude — 1499-1503

With the fall of Ludovico Sforza Leonardo lost his most important and powerful patron so far. Yet he was, by now, famous beyond the boundaries of Italy and it seems that even before he left Milan he had already made
contacts with the French court which were to be important to him in the future. Evidently the French King, Louis XII, had been very impressed by the *Last Supper* in S. Maria delle Grazie and also by the *Virgin of the Rocks*. In all probability this then moved him in October 1499 to commission a large-scale work from Leonardo showing Mary, St Anne and the Christ Child. This may well have been intended as a present for Anne de Bretagne, Louis XII's wife, but has only survived in its design stage. Now known as the 'Burlington House Cartoon', it shows the final composition of the picture. The figures are placed in front of a rocky landscape, Mary sits sideways on the lap of her mother Anne. The Child Jesus seems to be slipping out of her arms and, with his hand raised in a gesture of blessing, is turned towards the infant St John who is approaching from the right. In the upper region of the picture the outlines of the two women are already clearly defined; it is only their feet and Anne's left hand with its raised index finger that are unfinished. By contrast the faces stand out for their perfection, equal to any finished oil painting with their deep shadows and highlights.

The execution of this painting for Louis XII most likely fell victim to the restless existence Leonardo led after he left Milan in 1499. First he travelled to Mantua, where Isabella d'Este had acquired a reputation as a generous if somewhat capricious patron of the visual arts. It was probably here in December 1499 or early the next year that Leonardo made a cartoon of Isabelle in profile in the tradition of court portraiture in Mantua. This mode of representation not only ensured recognisability, but with its echoes of older styles conveyed the social norms prevailing at the time in court circles. It stands in marked contrast to a later character study of what must be a 'Gypsy Baron', demonstrating a much less constrained concept of the human face: the expression in the physiognomy of the latter borders
on the grotesque and carries no traces of norms or controls of any kind. The whole purpose of this drawing would appear to be expressivity, while the profile of Isabella d'Este is calculated to convey the impression of inner composure. Therefore in this life-sized portrait Leonardo avoided any disturbing elements, concentrating above all on the details of the face. Clear pin-pricks along the main lines in the cartoon (the same is found in the expressive drawing of the 'gypsy') indicate that the artist was already preparing to transfer the portrait to another surface. However, in all likelihood the cartoon design was never transferred to canvas since Leonardo left for Venice in March 1500 and in April moved on to Florence, where he soon found new clients and realms of activity.

According to Giorgio Vasari, following Leonardo's return to his native town, he accepted a commission for an altar painting for the Servite monks of SS. Annunziata. To this end, and working in the Servite monastery, he first of all made a cartoon of St Anne, the Virgin and Child, and a lamb, which he evidently put on display for two days and which was much admired by the people of Florence. To this day it is not entirely clear which work Vasari is referring to, although at least in terms of its design, the painting of St Anne now in the Louvre could well have been made in Florence in 1500-01. This is in keeping with a letter written on 3 April 1501 by the Carmelite monk Fra Pietro da Novellara in which he mentions Leonardo in Florence: "Leonardo's lifestyle is erratic and very fickle, and it would appear that he just lives from one day to the next. Since he has been in Florence he has only made one cartoon, with the Christ Child at about the age of one, almost escaping from His mother's arms. He is turned towards a lamb and seems to be embracing it. His mother, almost getting up from the lap of St Anne, is clinging on to the Child, trying to pull Him away from the lamb (a sacrificial animal that stands for Christ's Passion). St Anne,
slightly rising up, seems to want to hold her daughter back so that the
latter cannot separate the Child from the lamb. Perhaps Anne represents the
Church which does not want anything to stand in the way of Christ's
Passion. These figures are all in their natural size but there is room for
them in the small cartoon because they are either sitting or bent forwards,
and it is almost as though they are layered one behind the other from right
to left."

In all probability Novellara's description — with its interesting religious
interpretation of the picture — is of a cartoon Leonardo made for the
painting now in the Louvre. However, the execution and completion of this
painting on the basis of this cartoon can only have taken place some years
later — even if both the composition and the facial types found in the
Virgin, Child, St Anne and a Lamb and in the 'Burlington House Cartoon'
begun in 1499 bear a certain similarity to each other and most likely come
from the same period. One cannot help but notice in both works that there
is scarcely any age difference between Mary and her mother. Moreover, in
the painting in Paris, the bodies of the two women seem to merge into each
other. In this painting Leonardo has created a sequence of figures that
relate to each other in such a way that it almost looks as though Mary and
Anne are sharing the same body, shown in different stages of one movement.
The, at first sight, odd lack of any apparent age difference — between
mother and daughter — adds to the impression of there only being one body,
of which even the infant Jesus is also a part. Furthermore, Mary and Anne's
feet — the three that we can see — are positioned with such rhythmic
regularity as to be almost artificial, which in itself makes it all the
harder for the viewer to distinguish the two figures and their limbs from
each other. Particularly startling is the position of Mary's right foot, to
the right of Anne's left foot. At first glance it seems that Mary has
crossed her legs rather strangely. It is only on closer examination that the disposition of the figures becomes clear and that the viewer, having worked out the various movements, can properly recognise the situation and its meaning: the compositional interconnection between the figures and the similarity in age between Mary and Anne underline the close blood relationship between Anne, Mary and Christ. At the same time the intimacy of the scene raises the status of the two women who are, after all, stage centre, while the Christ Child is slightly to one side.

Besides the wealth of movement in the Virgin, Child, St Anne and a Lamb, the painting is also striking for the mountainous landscape behind the figures, which seems almost to have been raised up somehow. It extends across the entire background and takes up approximately a third of the picture surface. The peaks disappearing in the misty distance form a very high horizon and towards the right of the picture even rise up higher than Anne's head. Thus the background seems more dominant and consequently more monumental than in earlier paintings by Leonardo and his contemporaries. This tendency towards the monumental may be connected with the geological and hydrological studies the artist had been making, or possibly with his views on the eternal cycle of Nature. Whatever the case, Leonardo here amply demonstrates the powers of artistic imagination and painterly skills which he described in his Treatise on Painting as follows: "If the painter wishes to see beauties that would enrapture him, he is master of their production [...]. If he wishes to produce places or deserts, or shady and cool spots in hot weather, he can depict them. [...] If he seeks valleys, if he wants to disclose great expanses of countryside from the summits of high mountains, and if he subsequently wishes to see the horizon of the sea, he is lord of them, or if from low valleys he wishes to see high mountains, or from high mountains see low valleys and beaches. In fact,
therefore, whatever there is in the universe through essence, presence or imagination, he has it first in his mind and then in his hands" (fol. 5r).

It is also viable here to interpret the landscape in terms of religious symbolism: individual elements like the barrenness of the largely untouched land, the clear, bright light, the luminous atmosphere and the cool mist which the heat of sun is burning off, are familiar from Marian prayers of supplication at that time. They were regularly referred to in daily prayers and understood as metaphors for Mary, who miraculously gave birth to the Baby Jesus without losing her virginity.

An even intenser mountainous landscape and radiant sky are to be found the Virgin and Child (Madonna of the Yarnwinder) which Leonardo began in spring 1501 for Florimond Robertet, Secretary to the King of France. This small painting with a very youthful Madonna and Christ Child is known in several versions, of which at least two are regarded as the work of the master himself. It focuses both on Mary's love for her child, showing her gazing gently down at the infant, and on the future Passion of Christ; the Baby Jesus is completely occupied with a yarnwinder which, by virtue of its similarity to a crucifix, is regarded as a symbol of His later death. It seems that Mary wants to draw the Child back from the yarnwinder, and her left hand is placed tenderly round his body, but even Mary can do nothing to prevent the Crucifixion which Christ is destined to suffer: the Child turns away from his mother's loving gaze, and has no contact at all with her right hand, raised in protection, for his entire attention is directed towards the symbol of his future Passion.

Leonardo's work on the Virgin, Child, St Anne and a Lamb and on the Madonna for Florimond Robertet gives the impression that in the early days of the 16th century he was painting with considerable elan. And yet the opposite
was the case, because at this time he was mainly occupied with other things such as mathematics and geometry, for instance. Astonished and irritated, Leonardo's contemporaries describe either his unwillingness to paint at all or his immense slowness in completing commissions: the general view was that if there were to be a competition for the slowest painter Leonardo would win hands down (Beltrami, 143). In the summer of 1502, however, he turned his attention to a completely different sphere of activity and took up a position as military engineer to General Cesare Borgia. He then spent almost a year travelling with this notorious figure, mainly in Central Italy. He used these journeys to make a whole variety of studies and, amongst other things, provided his master with topographical drawings whose main purpose was no doubt connected with military strategy. Cesare Borgia's military campaigns required precise knowledge of the terrain, which he was able to acquire from Leonardo's vividly precise bird's-eye views. However, the artist's employment with Cesare Borgia soon came to an end in early 1503, at which point he returned to Florence and spent another short period there as a painter.

7. The Battle of the Giants: Leonardo and Michelangelo

In Florence Leonardo soon met the other two outstanding artists of the Florentine High Renaissance: Michelangelo Buonarroti and Raphael. A productive rivalry soon developed between Leonardo and Michelangelo who was younger by almost a whole generation. Both artists, in direct competition with each other, submitted proposals for the wall-paintings in the Council Chamber in the Florentine Palace of Government. Even before this remarkable meeting of two wholly opposed artistic temperaments, Leonardo had already started his portrait of Lisa del Giocondo, born in 1479. Since the mid-19th
century this has been regarded as Leonardo's best known work and, ever since it was stolen from the Louvre in 1911 by an Italian decorator and rediscovered in curious circumstances in Florence in 1913, it has been regarded as the most famous picture in the world — and has been interpreted as often as this would suggest. Various views have been put forward: it is not a portrait of a woman at all but a self-portrait by Leonardo and reveals his homosexual leanings. Or, if it is of a woman then she is suffering from syphilis or is pregnant or at the very least paralysed down one side of her face. Even easily disproved claims have been put forward with little hesitation: the picture is in bad condition, is damaged and has been brutally cut into at the edges. Of course there is no truth whatsoever in any of these. The picture is in excellent condition, the open-minded viewer is not likely to find traces of sickness or paralysis in the face of the Mona Lisa. Moreover there is little need for such mysterious interpretations in view of the fact that we are relatively well informed about the genesis of this painting. Lisa del Giocondo's husband, a well-to-do Florentine silk-merchant was acquainted with friends of Leonardo's family, and this may have been the connection that led to Leonardo's receiving the commission. The reasons for having a portrait painted at all were very clear. In spring 1503 Francesco del Giocondo had acquired a new house for his young family and a few months before that his wife Lisa had brought a son, Andrea, into the world — reason enough in 15th or 16th century Florence for commissioning a portrait.

In terms of form, Leonardo's Mona Lisa clearly demonstrates various aspects of Florentine portraiture in the late 15th century (which in turn bore a certain allegiance to Flemish portraiture). The half figure is turned two-thirds towards the viewer, a balustrade with pillars connects the foreground with the landscape in the background. But Leonardo went far
beyond the traditions he was drawing on: in the Mona Lisa the subject comes
closer to the front edge of the picture than had been customary hitherto:
this smaller distance between sitter and viewer heightens the intensity of
the visual impression while the landscape suggests greater spatial depths
and atmospheric intensity. Craggy mountains disappear into the distance
against a greenish-blue sky. On the left we can make out a stream and on
the right we can see what looks like a dry river-bed, although it is not
possible to tell quite how this connects, if at all, with a reservoir
higher up. Individual outcrops in the landscape, bereft of vegetation, are
reminiscent of similar rock formations in religious pictures that Leonardo
had begun not long before. Indeed the formal affinity between this work and
depictions of the Madonna cannot be dismissed, as is frequently the case in
Renaissance portraits of women. The Mother of God was regarded as the ideal
to which every honourable woman would aspire, and this is reflected in the
formal parallels between depictions of the Madonna and portraits of women.
Even the smile of the Mona Lisa is related to the smiles of St Anne and of
the Virgin: indeed a smile of this kind was part of the standard repertoire
of painters in the late 1400s and early 1500s. In addition, the Mona Lisa's
smile also matches contemporary views on feminine charm: the beauty of a
contented, modest female smile was a reflection of that woman's beauty and,
therefore, also of her virtue. Beauty was taken in those days to be an
expression of virtue, external beauty was an embellishment of virtue — as
demonstrated earlier by Leonardo in his Portrait of Ginevra de' Benci (see
pp. 19ff.). And even apart from this, we ought not to forget Lisa del
Giocondo's situation, for having made such an advantageous marriage she
perhaps had every reason for smiling: she herself came from a considerably
less wealthy family than her husband, who turned out to be an attentive and
caring spouse. Lisa had "married well" — already in those days good grounds
for smiling out into the world.
The outstanding painterly quality of this portrait derives primarily from its meticulous detail. A gossamer veil covers the subject's free-flowing hair; her dark gown, particularly below the neckline, is covered with intricate embroidery and is gathered vertically. The heavier-looking fabric of the mustard-coloured sleeves shimmers with its own natural gleam. Above all in the face and hands shading is used to create an utterly convincing impression of plasticity. The evocative impact of the portrait is due largely to its three-dimensionality plus the artistry of the pictorial light in the landscape which causes the subject to stand out as she does. In view of this, one has to imagine that her face is lit by some other source closer to the viewer.

Even before it was finished the portrait of Lisa del Giocondo had a major influence on Florentine painting. The young Raphael, who repeatedly visited Leonardo's workshop, immediately adopted the older master's schema and, on the basis of the Mona Lisa, created a form of portraiture that was to hold good for decades. Unlike Raphael, who rapidly produced the new type of portrait for his Florentine clients, Leonardo never delivered his portrait of Lisa to his client, Francesco del Giocondo. Already in autumn 1503 he received a much more important commission to paint the Grand Council Chamber in the Palazzo Vecchio, the seat of government in Florence. He postponed finishing the portrait to a later date.

The wall-painting for the Palazzo Vecchio, which Leonardo left unfinished in spring 1506 and which was destroyed in the mid-16th century, depicted the Battle of Anghiari of 1440, when Florentine forces together with their papal allies defeated their Milanese opponents near the town of Anghiari. The intention had been to juxtapose this with Michelangelo's so-called
**Battle of Cascina**, which depicted the raising of the alarm in July 1364 that warned the Florentine troops of the approaching enemy and led to their emerging victorious from the skirmish. These two paintings, which are only known from contemporary copies, would have constituted by far the most impressive decoration of any public interior in the early 16th century. The dynamism and drama of Leonardo's composition, which bears formal similarity to a Classical cameo with a fall from a phaeton, shine through both in his sketches and in contemporary copies. These sketches and copies show four riders fighting furiously for a flag and its pole: at the left is Francesco Piccinino and his father Niccolò, the leader of the Milanese troops. They are opposed by Piergiampaolo Orsini and Ludovico Scarampo — from the allied papal and Florentine troops, who were to triumph in the conflict and with whom contemporary viewers in Florence would have been expected to identify. But it is the riders on the left who capture one's attention, for here — as so often — evil and hostility exercise a greater fascination than goodness. The two riders on the left, above all Francesco Piccinino, display uncontrolled wrath in their positively distorted features. In Francesco's case, his brutal grimace goes with a strange contortion of his upper body and oddly placed left hand. It is even as though his torso merges into the body of the horse. Man and beast become one, the combatant becomes a beast: a misshapen creature whose unbridled frenzy is reflected in its contorted body. The opponents from the Florentine troops and papal allies are less dramatic in their forms. Admittedly there is nothing peaceable about their movements but their profiles are much less extreme and their bodies are not wrenched out of position. They represent a different, more balanced view of combat, which Leonardo's contemporaries already found much less interesting, preferring the negative embodiments of abandoned belligerence in their opponents.
The effect of the fury expressed in the faces is further heightened by the unmistakable, central iconographic importance of the depiction of Francesco Piccinino whose armour bears several of the attributes of Mars, the god of war. The ram on his chest is a symbol for Mars, and the horns of Amun on his head and the ram-skin on his body are both traditionally associated with Mars. The leaders of the Florentine troops, approaching from the right — and by no means similarly in the grip of combative fury — represent the notion prevalent in Florence at the time of implementing carefully considered tactics on the field of battle. In some copies (see p. 74) there is a dragon as a symbol of circumspection and intelligence, in almost all the others there is a mask of Minerva, that is to say the goddess in Classical literature who would add cool reason to a military campaign and who, alone, could placate Mars and prevent him from acting with rash thoughtlessness.

In the dramatic depiction of conflict the contrast between the two artists' designs could hardly have been greater. Leonardo focused on the violent encounter of opposing forces and marked out the warring factions with recognisable attributes. Michelangelo, on the other hand, largely avoided identifying his figures and devoted his attention to the expressive depiction of the nude male form, having already experimented with this in the marble statue of David he finished in 1504. Leonardo seems to have been impressed, despite himself, by the 'muscular rhetoric' of his successful, young rival: the one surviving drawing by Leonardo of a contemporary artwork is of Michelangelo's David. Not long afterwards Leonardo once again started to make studies of muscular, male nudes. Only a few years previously he had been sharply critical of depictions of exaggeratedly muscular male forms, since they too readily resemble a "sack of nuts" or even a "bundle of radishes" (fols 117-118v). This change of heart was
connected with the rise of the young Michelangelo: now there was no longer a demand for the smooth lines of the figures of the 15th century, for this had given way to the heroic style of the High Renaissance, which the painters and sculptors of Florence were to elevate to a new ideal with their depictions of powerful male bodies. In the battle of the giants it seems that Michelangelo, the younger of the two, impressed Leonardo rather than vice versa.

8. The Last Years – 1507-1519

Like so many other works, the Battle of Anghiari was also left unfinished by Leonardo. He does not even seem to have made any very great effort to finish this monumental wall-painting: the technique he was using soon proved to be problematic and the wall-painting was already showing signs of wear even before it was finished. From Vasari we also know that Leonardo was annoyed by the petty attitude taken by his clients in the matter of payment. With the help of a written statement by Charles d'Amboise, the French governor of Milan, in May 1506 Leonardo was granted three months' leave from his duties in Florence. Having travelled to Milan, he then stayed there much longer than intended: legal disputes regarding the Virgin of the Rocks had to be put aside and he had to make a copy of the painting for the Confraternity of the Immaculate Conception since the first version had been removed from the altar and was now in new ownership. In August 1508 he was able to give the Brothers the second version of the Virgin of the Rocks, which is now in London. By now Leonardo was already working regularly for the French rulers in Milan, and was also paid better by them than by previous patrons. However, we only have an extremely patchy knowledge of what he produced or of what else he did during the ensuing
years in Milan. While he was still in Florence he had taken up his anatomy studies again, and he continued these in Milan and later on still in Rome too. Apart from that he designed decorations for festivities at the French court in Milan, made himself useful as an architect, contributed ideas to the extension of the irrigation system and worked on unfinished works such as the Virgin, Child, St Anne and a Lamb. This was most probably also the time when he painted Leda and the Swan, which is only known to us through a number of copies. Leonardo evolved his Leda from a number of older sketches. In the earliest of these he concentrated primarily on the figure of Leda, kneeling in a similar manner to the figure of St Hieronymus (illus. p. 22). Over the following years, Leonardo took the slightly bending figure of Leda – being tenderly importuned by the swan – and turned her into a standing nude, albeit without changing the iconographic meaning. The drawings and the copies of the painting alike focus on the amorous adventures of the Father of the Gods, Zeus, who used to pursue young women (sometimes even young men) in the shape of a wild creature or in some apparently unsuspicious, non-erotic form: in Leda's case, as we know, he came to her as a swan. In one of the drawings Zeus has laid his wing lovingly against Leda, and she is turning to him tenderly, touching his head gently with her left hand. Her right hand points to the little ones who have just slipped out of their eggs.

The version known to us in paintings is more monumental in its effect and the swan also appears to be more insistent. The creature is now standing upright, extending its neck upwards and holding the young woman firmly with one wing. Meanwhile Leda is turning away from her lover, with her eyes lowered, yet holding him with both hands. Above all the frontal view of the female nude figure underlines the erotic quality of the painted versions. Furthermore, her pose and the striking plasticity of her rounded limbs and
body are highly reminiscent of Classical statues of Venus and, therefore, of love. The erotic quality of the subject matter is also evident in the middle-ground which, both in the drawings and in the paintings, has numerous bullrushes, _typha latifolia_, to give them their correct botanic name. These bullrushes have densely filled seedheads, which then burst so that the seed scatters far and wide on the ground and on the water — Nature's masterplan to ensure the continued existence and increase of the bullrush population. The sexual connotations of this plant, and by implication of the picture itself, could hardly be clearer.

As a painter and engineer in Milan Leonardo had the opportunity to revive his plans for an equestrian statue, although now no longer for the deposed Ludovico Sforza, but for General Giangiacomo Trivulzio, who had played a decisive part in the taking of Milan as commander of the French troops. Trivulzio had set aside a large amount of money to provide for a worthy memorial after his death. Most likely impressed by the ambitious designs which Leonardo showed him in the summer of 1507, he abandoned his originally more modest plans in favour of a monumental tomb. Initially Leonardo turned once again to the fascinating idea of a wildly rearing horse, which seemed more viable in light of the smaller dimensions of the Trivulzio monument (illus. p. 83). Compared with his earlier designs for the Sforza monument he actually increased the dynamism of the movements of horse and rider, particularly by intensifying the expressive power of the body of the horse. Leonardo underlines the monumentality of the design by creating a tall plinth which was intended to have a sculpture in the centre and a pillar at each corner with the sculpted figure of a prisoner tied to it. Thus Leonardo's designs were similar to Michelangelo's first designs for the tomb of Pope Julius II, and intended to be of a comparably high standard. Nevertheless, despite these aspirations and Leonardo's impressive
designs, after years of planning in the end Trivulzio decided against the project. As before in the case of the Sforza monument, circumstances prevented the realisation of an equestrian monument which would have far outshone all existing examples of the species.

During his second stay in Milan, Leonardo was less and less active as a painter. It seems that painting was giving way to anatomical drawings, which — in their pictorial immediacy and perfection — seem like an alternative form of artistic expression. Unlike the early anatomical drawings Leonardo made when he was first in Milan, these later studies are based much more extensively on dissections of the human body. Having made his own exact observations Leonardo now distanced himself from much of what was contained in the textbooks that had previously been a major influence on his views (erroneously believing for instance that there was a connection between the testicles and the brain, see pp. 40f.). He concentrated increasingly on the muscles and sources of movement, providing impressive proof of his acute talent for observation and drawing. His precise illustrations of anatomical details were largely restricted, however, to the surface of the human anatomy, the musculature and the bone structure. His investigations into the deeper layers of the body left something to be desired as far as accuracy was concerned — in all likelihood because of the immense technical difficulties that he had to overcome in his ground-breaking research. Thus he was able to draw a four to five month-old foetus, but in order to show the womb around it, he had to rely on what he knew of animal anatomy (illus. p. 82). When it came to the anatomy of the heart he adopted a similar procedure, basing some of the details on cows' hearts. Nonetheless, for centuries Leonardo's studies were the most precise anatomical drawings anywhere, admired by the few who were
fortunate enough to see them, but so far ahead of their time that they were of no immediate use to medical practitioners.

Leonardo's sojourn in Milan was largely dependent on the favour of the French governor Charles d'Amboise, who died suddenly in 1511. Once again the artist had lost an important patron and thus, in September 1513, accepted the protection of Giuliano de' Medici, with whom he then travelled to the papal court in Rome. Shortly before this, Giuliano's brother, Giovanni, had succeeded to the Throne of Peter as Pope Leo X and it must have seemed to Leonardo, by now 61 years old, that there was a good prospect of his becoming court artist to the newly elected Pope. But his hopes were to be dashed. In the papal court in Rome Leonardo had trouble with insolent German craftsmen, and received no major commissions for paintings comparable to those already carried out by Raphael and Michelangelo. Nevertheless, he did throw himself into Leo X's project to reclaim the Pontini marshes south of Rome. To this purpose he executed an extremely detailed drawing of the relevant terrain. Besides this he conducted a number of experiments that seemed rather strange to his contemporaries and which Vasari describes as follows: "Leonardo used to get the intestines of a bullock scraped completely free of their fat, cleaned and made so fine that they could be compressed into the palm of one hand; then he would fix one end of them to a pair of bellows lying in another room, and when they were inflated they filled the room in which they were, and forced anyone standing there into a corner. [...] He perpetrated hundreds of follies of this kind, and he also experimented with mirrors and made the most outlandish experiments to discover oils for painting and varnish for preserving the finished works." It is probably these experiments with paints and varnishes to which we owe one of the last paintings that can be attributed to Leonardo, his portrayal of John the
Baptist (illus. p. 85), which is an impressive example of Leonardo's use of *sfumato*. By applying numerous layers of thin, translucent varnish, the artist can create a whole range of shadows in the picture, blurring contours into soft transitions between light and shade, and increasing the plasticity of the figures. The painterly effect achieved through this process is derived from experiments with oils which allow the differentiated application of layer upon layer of paint so that it is possible to create a virtually monochrome portrayal of the subject which relies on fine nuances of light and shade alone. In the painting of John the Baptist the use of *sfumato* adds an interesting dimension to the meaning of the painting: the figure of the Baptist emerging from out of the almost black background seems to be made of light; the scene must be illuminated by a light source beyond the pictorial space, which is in itself completely in keeping with the subject matter, for John the Baptist is not the source but only the witness of God's light which is shining on him. Thus the painting gives visual form to the first verses of the Gospel according to St John which describe the one who was sent to bear witness to the "light that shineth in darkness". Thus Leonardo's use of *sfumato* is not simply an autonomous choice by the artist but also conveys the religious content of the picture. At the same time this technique lends the painting a certain atmospheric intensity which has been exhaustively interpreted, in particular by those with an interest in psychoanalysis. The gentle shadows imbue the subject's skin tones with a very soft, delicate appearance, almost androgynous in its effect, which has led to this portrayal being interpreted as an expression of Leonardo's homoerotic leanings.

In yet another painting either Leonardo or a pupil of his returned to the subject of John the Baptist, and this same ambiguity arises again (illus. p. 87). In this work St John, now full length, is sitting in front of a
landscape background, with a view to the left of a river valley and a mountain range. With a gesture of his right hand John is pointing towards Christ, who will follow him. There is also Christian symbolism in the detail of the painting: the deer in the background was regarded as a symbol of Christ and the Baptism, while the columbine in the foreground expresses the Christian hope of redemption which would be achieved through Christ and the sacrament of Baptism. But the beautiful, naked youth in the desert was very soon no longer seen in the light of Christianity. An unknown painter in the 16th or the 17th century added the attributes of Bacchus to the composition: an ivy wreath was added to John's head and the staff in his hand was turned into a thyrsus (the staff carried by Bacchus). This transformation of the Saint into a wanton, pagan god highlighted an ambiguity which was already present in the portrayal of John the Baptist, and which Cassiano del Pozzo described in 1625 as follows: "John the Baptist in the desert. The figure, one third less than natural size, is extremely delicate, but not especially pleasing because it does not induce our respect, it is lacking in decorum and likeness."

The sketches for the two paintings of John the Baptist are the most important evidence of Leonardo's sojourn in Rome which already came to an end in 1516. After his patron Giuliano de' Medici died he remained in the Eternal City for a few months more, before accepting an invitation from Francis I to go to the French court in the winter of 1516/1517. Together with pupils and friends Leonardo was given a fine residence in Cloux, not far from the royal château in Amboise, and a remarkably generous salary, although it is not entirely clear what professional activities he undertook in the remaining two years of his life. It seems that he was involved in designing court festivities, in planning an irrigation project in the
Sologne, south of the Loire between Amboise and Orleans), and in making drawings for a royal palace in Romorantin, a small town south of Blois.

Leonardo's failing creative powers in his last years were probably linked to ailments brought on by old age mentioned by Antonio de Beatis, secretary to Cardinal Luigi d'Aragona. It is significant that in this letter of 10 October 1517 he referred to the (65 year-old) artist as an old man of over seventy, who was not able to do much owing to his partial paralysis, but who could nevertheless still draw well. Leonardo's late drawings would also seem to point to a waning output, and scarcely one of these can be dated with any certainty to the last two years of the artist's life. No paintings at all from this period can be positively identified as being by Leonardo, and we have to assume that Leonardo was simply as unproductive in his last years as so often before. And yet, his last drawings show no signs of the artist's age. Besides perplexing allegories there are depictions of cats, dragons and horses in whimsical motion. More intense and powerful in their composition than the sketches from his youth, these drawings are imbued with an almost childlike energy. They give the impression that despite his advanced years, Leonardo — his mind as lively as ever — was turning back to drawing, to the origins of his own art. In vigorous drawings and depictions of fabulous, unreal creature we still see the full appeal of the output of an artist whose work — unaffected by his own age or the passage of time — has retained to this day its youthful freshness.