reason. Wherefore the very idea of the government of things in God the Ruler of the universe, has the nature of a law. And since the divine reason's conception of things is not subject to time but is eternal... therefore it is that this kind of law must be called eternal...

Law, being a rule and measure, can be in a person in two ways: in one way, as in him that rules and measures; in another way, as in that which is ruled and measured, since a thing is ruled and measured, in so far as it partakes of the rule or measure. Wherefore, since all things subject to divine providence are ruled and measured by the eternal law, as was stated above; it is evident that all things partake somewhat of the eternal law, in so far as, namely, from its being imprinted on them, they derive their respective inclinations to their proper acts and ends... Now among all others, the rational creature is subject to divine providence in the most excellent way, in so far as it partakes of a share of providence, by being provident both for itself and for others. Wherefore it has a share of the eternal reason, whereby it has a natural inclination to its proper act and end: and this participation of the eternal law in the rational creature is called the natural law. Hence the Psalmist, after saying, Offer up the sacrifice of justice, as though someone asked what the works of justice are, adds: Many say, Who sheweth us good things? In answer to which question he says: The light of Thy countenance, O Lord, is signed upon us; thus implying that the light of natural reason, whereby we discern what is good and what is evil, which is the function of the natural law, is nothing else than an imprint on us of the divine light. It is therefore evident that the natural law is nothing else than the rational creature's participation of the eternal law.

GERVASE OF CANTERBURY

ARCHITECTS AT WORK

Around the year 1000, ecclesiastical leaders and communities began to erect large stone churches. The purpose was not only to celebrate the glory of God and the piety of a particular saint to whom the church was customarily dedicated. These stone churches had a very practical purpose: They were intended to be the amphitheaters where the liturgical ritual of Catholic Christianity could be celebrated using song, brilliant displays of light and jewels at the altar, and even perfumed smell (incense). These multimedia exhibitions, to which preaching of sermons was added, were intended to impress the laity with the incomparable grandeur of church manifestations of Christian faith. The stone churches of the eleventh century were low, flat structures that emphasized the horizontal plane—this has been called the Romanesque style. The architectural engineering of the period did not allow for buildings that rose high off the ground. After the conquest of England by the Norman French in 1066, the vigorous and wealthy French bishops and abbots brought over by the Norman kings employed architects from northern France who elevated the roof of the large stone churches that these bishops commissioned. They also placed high-pillared towers at the corners of the churches. This innovative style, emphasizing the vertical rather than the horizontal plane, is called Norman Perpendicular by art historians. In 1140, there was dedicated at St. Denis, the royal abbey of France just outside Paris (today well within the city), an extensive renovation of an old church that now provided a raised clerestory so that light could bathe the altar. Another feature of this new Parisian style, eventually called Gothic by unfriendly fifteenth-century art critics, was a large rose window over the front door.
The Abbot of St. Denis, Suger, was also the principal architect of this new style that became standard in northern France and western Germany over the next century. But the Norman Perpendicular style in early twelfth-century England had begun the shift to emphasize the vertical plane and high windows.

In 1174, the great Norman French edifice of Christ Church, Canterbury, where the monastic community that the archbishop headed conducted their services, suffered a severe fire, requiring extensive reconstruction. In this account by Gervase of Canterbury, a member of the Christ Church community, a brilliant and courageous French architect, William of Sens, was brought in to direct the reconstruction. The account reveals that good architects were hard to find, were well paid, and that the architect personally supervised the construction work, taking physical risks that could have resulted in severe injury. William of Sens became a fabled figure and is the subject of a modern novel. He is a kind of romantic hero.

Then the people and the monks assemble in haste. They draw water, they brandish their hatchets, they run up the stairs, full of eagerness to save the church, already, alas! beyond their help. But when they reach the roof and perceive the black smoke and scorching flames that pervade it throughout, they abandon the attempt in despair, and thinking only of their own safety, make all haste to descend.

And now that the fire had loosened the beams from the pegs that bound them together, the half-burnt timbers fell into the choir below upon the seats of the monks; the seats, consisting of a great mass of wood-work, caught fire, and thus the mischief grew worse and worse. And it was marvellous, though sad, to behold how that glorious choir itself fed and assisted the fire that was destroying it. For the flames multiplied by this mass of timber, and extending upwards full fifteen cubits (25 feet) scorched and burnt the walls, and more especially injured the columns of the church. . . .

The people were astonished that the Almighty should suffer such things, and maddened with excess of grief and perplexity, they tore their hair and beat the walls and pavement of the church with their heads and hands, blaspheming the Lord and His saints, the patrons of the church; and many, both of laity and monks, would rather have laid down their lives than that the church should have so miserably perished.

For not only was the choir consumed in the
fire, but also the infirmary, with the chapel of St. Mary, and several other offices in the court; moreover many ornaments and goods of the church were reduced to ashes.

The brotherhood sought counsel as to how and in what manner the burnt church might be repaired, but without success; for the columns of the church, commonly termed the pillars, were exceedingly weakened by the heat of the fire, and were scaling in pieces and hardly able to stand, so that they frightened even the wisest out of their wits.

French and English artificers were therefore summoned, but even these differed in opinion. On the one hand, some undertook to repair the aforesaid columns without mischief to the walls above. On the other hand, there were some who asserted that the whole church must be pulled down if the monks wished to exist in safety. This opinion, true as it was, excruciated the monks with grief, and no wonder, for how could they hope that so great a work should be completed in their days by any human ingenuity.

However, amongst the other workmen there had come a certain William of Sens, a man active and ready, and as a workman most skilful both in wood and stone. Him, therefore, they retained, on account of his lively genius and good reputation, and dismissed the others. And to him, and to the providence of God was the execution of the work committed.

And he, residing many days with the monks and carefully surveying the burnt walls in their upper and lower parts, within and without, did yet for some time conceal what he found necessary to be done, lest the truth should kill them in their present state of pusillanimity.

But he went on preparing all things that were needful for the work, either of himself or by the agency of others. And when he found that the monks began to be somewhat comforted, he ventured to confess that the pillars rent with the fire and all that they supported must be destroyed if the monks wished to have a safe and excellent building. At length they agreed, being convinced by reason and wishing to have the work as good as he promised, and above all things to live in security; thus they consented patiently, if not willingly, to the destruction of the choir.

And now he addressed himself to the procuring of stone from beyond sea. He constructed ingenious machines for loading and unloading ships, and for drawing cement and stones. He delivered molds for shaping the stones to the sculptors who were assembled, and diligently prepared other things of the same kind. The choir thus condemned to destruction was pulled down, and nothing else was done in this year.

[A.D. 1177] In the third year he placed two pillars on each side, the two extreme ones of which he decorated with marble columns placed around them, and because at that place the choir and crosses were to meet, he constituted these principal pillars. To which, having added the keystones and vault, he intermingled the lower triforium from the great tower to the aforesaid pillars, that is, as far as the cross, with many marble columns. Over which he adjusted another triforium of other materials, and also the upper windows. And in the next place, three claves [bosses] of the great vault, from the tower, namely, as far as the crosses. All which things appeared to us and to all who saw them, incomparable and most worthy of praise. And at so glorious a beginning we rejoiced and conceived good hopes of the end, and provided for the acceleration of the work with diligence and spirit. Thus was the third year occupied and the beginning of the fourth.

[A.D. 1178] In the summer of which, commencing from the cross, he erected ten pillars, that is, on each side five. Of which the two first were ornamented with marble columns to correspond with the other two principal one. Upon these ten he placed the arches and vaults. And having, in the next place, completed on both sides the triforia and upper windows, he was, at the beginning of the fifth year, in the act of preparing with machines for the turning of the great vault, when suddenly the beams broke under his feet, and he fell to the ground. stones and timbers accompanying his fall, from the height of the capitals of the upper vault. that is to say, of fifty feet. Thus sorely bruised by the blows from the
beams and stones, he was rendered helpless alike to himself and for the work, but no other person than himself was in the least injured. Against the master only was this vengeance of God or spite of the devil directed.

The master, thus hurt, remained in his bed for some time under medical care in expectation of recovering, but was deceived in this hope, for his health amended not. Nevertheless, as the winter approached, and it was necessary to finish the upper vault, he gave charge of the work to a certain ingenious and industrious monk, who was the overseer of the masons; an appointment whence envy and malice arose, because it made this young man appear more skilful than richer and more powerful ones. But the master reclining in bed commanded all things that should be done in order. And thus was completed the ciborium [canopy] between the four principal pillars. In the keystone of this ciborium the choir and crosses seem as it were to meet. Two ciboria on each side were formed before the winter; when heavy rains beginning stopped the work. In these operations the fourth year was occupied and the beginning of the fifth. But on the eighth day from the said fourth year, on the idus of September, there happened an eclipse of the sun at about the sixth hour, and before the master’s accident.

And the master, perceiving that he derived no benefit from the physicians, gave up the work, and crossing the sea, returned to his home in France. And another succeeded him in the charge of the works; William by name, English by nation, small in body, but in workmanship of many kinds acute and honest.

[1179] He in the summer of the fifth year finished the cross on each side, that is, the south and the north, and turned the ciborium which is above the great Altar, which the rains of the previous year had hindered, although all was prepared. Moreover, he laid the foundation for the enlargement of the church at the eastern part, because a chapel of St. Thomas [Becket] was to be built there.

For this was the place assigned to him: namely, the chapel of the Holy Trinity, where he celebrated his first mass, where he was wont to prostrate himself with tears and prayers, under whose crypt for so many years he was buried, where God for his merits had performed so many miracles, where poor and rich, kings and princes, had worshipped him, and whence the sound of his praises had gone forth into all lands.

The master William began, on account of these foundations, to dig in the cemetery of the monks, from whence he was compelled to disturb the bones of many holy monks. These were carefully collected and deposited in a large trench, in that corner which is between the chapel and the south side of the infirmary house. Having, therefore, formed a most substantial foundation for the exterior wall with stone and cement, he erected the wall of the crypt as high as the bases of the windows.

Thus was the fifth year employed and the beginning of the sixth.

[1180] In the beginning of the sixth year from the fire, and at the time when the works were resumed, the monks were seized with a violent longing to prepare the choir, so that they might enter it at the coming Easter. And the master, perceiving their desires, set himself manfully to work, to satisfy the wishes of the convent. He constructed, with all diligence, the wall which encloses the choir and presbytery. He erected the three altars of the presbytery. He carefully prepared a resting-place for St. Dunstan and St. Elfege. A wooden wall to keep out the weather was set up transversely between the penultimate pillars at the eastern part, and had three glass windows in it.

The choir, thus hardly completed even with the greatest labour and diligence, the monks were resolved to enter on Easter Eve with the new fire. As all that was required could not be fully performed on the Saturday because of the solemnities of that sacred day, it became necessary that our holy fathers and patrons, St. Dunstan and St. Elfege, the co-exiles of the monks, should be transferred to the new choir beforehand. Prior Alan, therefore, taking with him nine of the brethren of the church in whom he could trust, went by night to the tombs of the saints, that he might not be incumbered by a crowd, and having locked the
doors of the church, he commanded the stone-work that enclosed them to be taken down.

The monks and servants of the church, therefore, in obedience to the Prior's commands, took the structure to pieces, opened the stone coffins of the saints, and bore their relics to the vestiarium. Then, having removed the cloths in which they had been wrapped, and which were half consumed from age and rottenness, they covered them with other and more handsome palls, and bound them with linen bands. They bore the saints, thus prepared, to their altars, and deposited them in wooden chests, covered within and without with lead; which chests, thus lead-covered, and strongly bound with iron, were enclosed in stone-work that was consolidated with melted lead. Queen Ediva also, who had been placed under the altar of the holy cross after the fire, was similarly conveyed to the vestiarium.

[Wednesday night, April 16] These things were done on the night preceding the fifth feria before the holy Easter; that is, on the sixteenth calends of May. On the morrow, however, when this translation of the saints became known to the whole convent, they were exceedingly astonished and indignant that it should have been done without their consent, for they had intended that the translation of the fathers should have been performed with great and devout solemnity.

They cited the prior and those who were with him, before the venerable Archbishop Richard, to answer for the slight thus presumptuously cast upon themselves and the holy patrons of the church, and endeavoured to compel the prior and his assistants to renounce their offices. But by the intervention of the archbishop and other men of authority, and after due apology and repentance, the convent was appeased; and harmony being thus restored, the service of Holy Saturday was performed in the chapter-house, because the station of the monks and the altar which had been in the nave of the church, were removed to prepare for the solemnities of the following Easter Sunday. About the sixth hour the archbishop in cope and mitre, and the convent in albs, according to the custom of the church, went in procession to the new fire, and having consecrated it, proceeded towards the new choir with the appointed hymn. At the door of the church which opens to the martyrium of St. Thomas, the archbishop reverently received from a monk the pix [vessel], with the Eucharist, which was usually suspended over the great altar. This he carried to the great altar of the new choir. Thus our Lord went before us into Galilee, that is, in our transmigration to the new church. The remainder of the offices that appertain to the day were devoutly celebrated. And then the pontiff, standing at the Altar and vested with the infula, began the Te Deum laudamus; and the bells ringing, the convent took up the song with great joy, and shedding sweet tears, they praised God with voice and heart for all His benefits. . .

It has been above stated, that after the fire nearly all the old portions of the choir were destroyed and changed into somewhat new and of a more noble fashion. The differences between the two works may now be enumerated. The pillars of the old and new work are alike in form and thickness but different in length. For the new pillars were elongated by almost twelve feet. In the old capitals the work was plain, in the new ones exquisite in sculpture. There the circuit of the choir had twenty-two pillars, here are twenty-eight. There the arches and every thing else was plain, or sculptured with an axe and not with a chisel. But here almost throughout is appropriate sculpture. Not marble columns were there, but here are innumerable ones. There, in the circuit around the choir, the vaults were plain, but here they are arch-ribbed and have keystones. There a wall set upon pillars divided the crosses from the choir, but here the crosses are separated from the choir by no such partition, and converge together in one keystone, which is placed in the middle of the great vault which rests on the four principal pillars. There, there was a ceiling of wood decorated with excellent painting, but here is a vault beautifully constructed of stone and light tufa. There, was a single triforium, but here are two in the choir and a third in the aisle of the church. All which will be better understood from inspection than by any description.

This must be made known, however, that the new work is higher than the old by so much as the...
upper windows of the body of the choir, as well as of its aisles, are raised above the marble tabling.

And as in future ages it may be doubtful why the breadth which was given to the choir next the tower should be so much contracted at the head of the church, it may not be useless to explain the causes thereof. One reason is, that the two towers of St. Anselm and of St. Andrew, placed in the circuit on each side of the old church, would not allow the breadth of the choir to proceed in the direct line. Another reason is, that it was agreed upon and necessary that the chapel of St. Thomas should be erected at the head of the church, where the chapel of the Holy Trinity stood, and this was much narrower than the choir.

The master, therefore, not choosing to pull down the said towers, and being unable to move them entire, set out the breadth of the choir in a straight line, as far as the beginning of the towers. Then, receding slightly on either side from the towers, and pressing as much as he could the breadth of the passage outside the choir on account of the processions which were there frequently passing, he gradually and obliquely drew in his work, so that from opposite the altar, it might begin to contract, and from thence, at the third pillar, might be so narrowed as to coincide with the breadth of the chapel, which was named of the Holy Trinity. Beyond these, four pillars were set on the sides at the same distance as the last, but of a different form; and beyond these other four were arranged in a circle, and upon these the superposed work (of each side) was brought together and terminated. This is the arrangement of the pillars... all of which may be more clearly and pleasantly seen by the eyes than taught in writing.

GOLIARDIC VERSE

The emergence of the universities in the twelfth century produced a distinctive new population, the students. By 1175 universities weren't much different from such institutions today. The liberal arts were treated as introductory programs, ill-taught by underpaid junior faculty and graduate students. Campus power and consumer student demand rested with the professional schools of law and medicine, although the Dominican and Franciscan orders of friars in the thirteenth century supported chairs for a few distinguished theologians and philosophers. The students, ill-housed, ill-fed, and exploited by the townspeople, and thereby prone to riot, were there to prepare for a career, mainly in administrative jobs in church or state. Out of this febrile atmosphere came student literature complaining about ill treatment and expressing cynicism about adult society. The best of this genre is the Goliardic poetry celebrating wine and women. "Goliad" was a synonym for the devil. The following Confessions of Goliad was actually written by a middle-aged alumnus who had a good job in the German church.

Boiling in my spirit's veins
With fierce indignation,
From my bitterness of soul
Springs self-revelation:
Framed am I of flimsy stuff,
Fit for levitation,
Like a thin leaf which the wind
Scatters from its station.

While it is the wise man's part
With deliberation
On a rock to base his heart's
Permanent foundation,
With a running river I
Find my just equation,
Which beneath the self-same sky
Hath no habitation.