

# ARCHITECTURE

EHLINGER & ASSOCIATES

FOURTH QUARTER 2002



## SEASONS GREETINGS

The staff of Ehlinger & Associates extends Seasons Greetings to all of our friends who receive the newsletter. Merry Christmas, Happy Hanukkah, and Happy New Year.

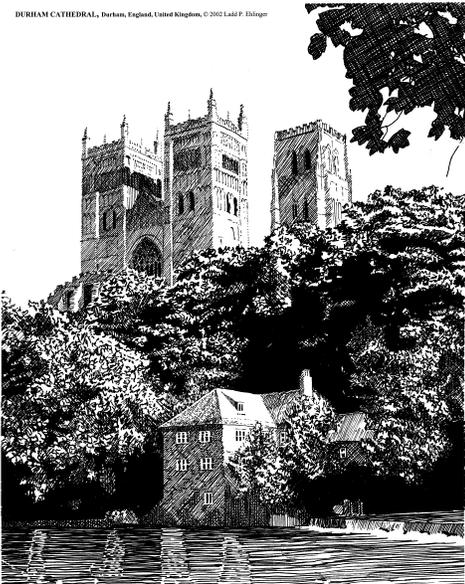
added to many times since, but the power of the original schema of the building is so strong that its unity remains inviolate. This cathedral was prescient in the Gothic period in its ribbed vaulting, columnar and bay rhythms, and use of flying buttresses, although they are concealed in the aisle attics.

Durham Cathedral was originally a Benedictine institution, one of thirteen cathedrals of the monastic foundation that were served by regular clergy or monks. These cathedrals were reconstituted at the Dissolution of the Monasteries ordered by Henry VIII as chapters of secular canons. When this change took place, the abbot became the bishop, the prior the dean, and the monks became canons and choristers, while the other personnel remained the same.

across the river to view the west front and the crossing tower as shown in the sketch. The usual entrance for the town folk is the northwest portal where there is a famous Sanctuary Knecker, an embellished lion's head.

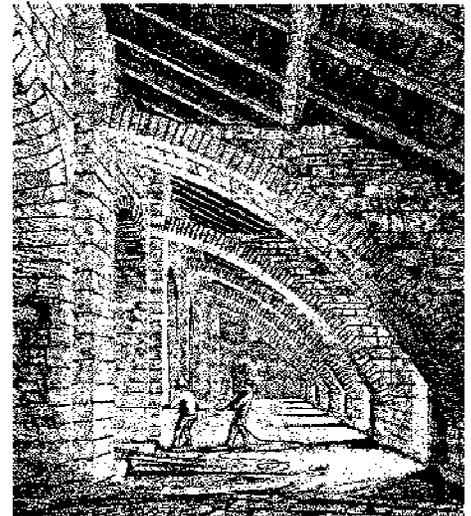
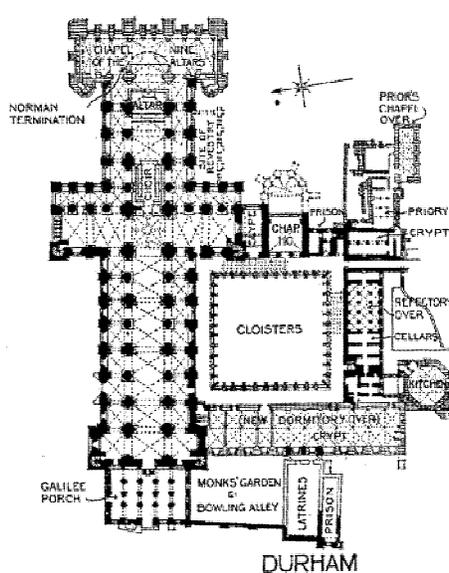
The interior is a very powerful expression of early Norman Gothic. Round columns with chevron patterned grooves alternate with multiple shafted columns that support truncated triumphal arches across the nave that separate pairs of groined vaults, and zig zag decorated arches in the long direction. The groined vaults are ribbed with thin ribs that accentuate the lightness of the vaulting. Ribbed vaults in later churches would delete the triumphal arches, as the architects and masons learned more about what they could safely do.

DURHAM CATHEDRAL, Durham, England, United Kingdom, © 2002 Ladd P. Ehlinger



## DURHAM CATHEDRAL DURHAM, ENGLAND, U.K.

Durham Cathedral, this issue's limited edition print by Ladd P. Ehlinger, is an excellent example of Norman Gothic architecture that is remarkably unified and coherent due to its short initial period of construction: 1095 to 1133. It has been



Durham attic flying buttresses, from *Architectural Illustrations and Description of the Cathedral of Durham*, R.W. Billings, London, 1843

The Palace Green is immediately to the north, a huge space bounded on the east and west by university buildings and on the south by the cathedral. Here one can see the entire cathedral at a glance, although photographs are difficult because of the position of the sun. The forecourt of the west facade is so small that no photographs are possible -- one has to go

An early English addition to the cathedral is the Chapel of the Nine Altars. It has a sunken floor to gain as much height as possible to emphasize the tall lancet windows, a new emphasis on lightness and verticality. The monastic buildings that surround the south side are also worth seeing, particularly the Refectory and the Dormitory.



**Christopher O. Cooper**

Christopher O. Cooper, Jr. has joined E&A as an Intern Architect. He has a Bachelor of Architecture received from Southern University, Baton Rouge in 2001. Mr. Cooper is originally from Zachary, Louisiana. He has thorough knowledge of hand-drawn and computer-aided drafting, which include construction documents, interior and exterior details, and model building.

At E&A, Mr. Cooper is completing his training for the registration exam for architects. As such, he has advanced his computer drafting skills as well as how to put a building together in a professional manner. He is involved in the production of Contract Documents in the areas of wall sections, plan sections, toilet partition details, cabinet details, site details, and stair details. These are the usual areas of beginner involvement.



**Tawana S. Pugh**

Tawana S. Pugh has joined E&A as an Architect Intern. She has a Bachelor of

Architecture which she earned from Andrews University, MI in June of 2002.

Miss Pugh's educational experience has focused primarily on the design and building of structures with respect to context, function, and aesthetic appeal. In her past work and educational training she had the pleasure of working with people in designing a variety of buildings, and participating with hands on projects.

At Ehlinger & Associates, Tawana hopes to gain valuable and practical experience in the architectural industry. Her experience with AutoCad, PhotoShop, and Archicad, enable her to assist in site plans, plan elevations and 3d modeling.



**Johnna S. Keller**

Johnna S. Keller has recently joined Ehlinger & Associates, P.C. as an Intern Architect / Engineer in Training. She has a B.S. in Civil Engineering from Clemson University in South Carolina which she received in 1999 and is working on her Master of Architecture at Tulane University, Louisiana. She expects to complete the requirements in 2003. She has completed her course work and only lacks completion of her thesis. Within this program, she has been actively engaged in all phases of aesthetic architectural design.

At E&A Ms Keller is training for the registration exams in both civil engineering and architecture. She is learning computer drafting skills and computer aided structural design skills, as well as how to put a building together in a professional manner. She is involved in the production

of Contract documents in the areas of structural foundation and framing plans and details, wall sections, plan sections, toilet partition details, cabinet details, site details, and stair details. These are the usual areas of beginner involvement.



**Colin Duckworth**

Colin Duckworth has joined E&A as an Assistant Draftsman. He has an Associates Degree in Computer Animation / Multi-Media, from the Art Institute of Pittsburgh which he earned in 1999.

Colin has three years experience in animation and graphic design. One year was in making cartoons for public broadcasting and three years working with on-line education systems and graphics as well as other more traditional forms of web and print graphics. Colin also has experience in architectural modeling along with a certificate in Principals of Supervision from UAH.