

\$3.5 Million Cathedral Rises In Coventry Within Six Years

By ROBERT MUSEL
United Press International
Coventry, England — (UPI) — From dusk to dawn on the terrible night of Nov. 14, 1940 German bombers attacked this ancient city in one of the worst raids of World War II. At the height of the holocaust with incendiary and high explosive bombs raining

down, priests and civil defense workers fought their way through the smoke and flame to the 14th century cathedral of St. Michael. They found it destroyed—only the burned-out spire and a torn arch still erect. From the rubble they gathered still-hot nails which they fashioned into a "cross of nails" and they planted it among the ruins as a pledge that the cathedral would rise again.

Atom Now Being Used to Determine Source of Opium

By JOSEPH L. MYLER
United Press International
Washington — (UPI) — The atom which can destroy (or light) cities is being used to smoke out smuggled opium.

This is not a case of using a sledgehammer to swat a fly. The detective atom is kept under control at all times in nuclear reactors like those at the Atomic Energy commission's Oak Ridge (Tenn.) national laboratory.

It can perform almost inconceivably delicate tasks. It is now assisting the Treasury department's Bureau of Narcotics in its never-ending struggle to stop smuggling of opium into this country.

It is important to the Narcotics bureau to know where the contraband is coming from, whether from China, Asia Minor, India, or wherever else the opium poppies blow.

Knowing the origin helps the bureau to build road blocks against the narcotics traffic.

George Leddicotte of the Oak Ridge lab has developed a procedure, called "activation analysis," which is able to tell federal narcotics agents where a confiscated batch of opium came from.

Here is the way the Atomic Energy commission describes the process:

"Through activation analysis, scientists can determine the trace amounts of various minor elements found in the samples of opium.

"By comparison of these trace amounts with samples of known origin, they can determine from what area the opium came."

It is a fact the smugglers can't do anything about that because minute amounts of many so-called trace elements are present in the soil where opium poppies are cultivated.

These elements—scandium, antimony, cobalt, iron, aluminum and many other metals—tip off the source of the opium.

When opium is sent through a nuclear reactor, the trace elements are made slightly radioactive.

"After its trip through the reactor, the sample is placed in a shielded lead container and the rays emitted from the various radioactive atoms are measured," the AEC reports.

"The energy of the various rays is indicative of the elements in the sample. Comparison with samples of known origin then gives the location."

The atom also is doing detective work on other fronts of crime. But the AEC isn't telling all it knows about these other jobs of the atomic cops.

"Law enforcement officials," it says, "are reluctant to discuss them since they don't want to reveal their methods."

Water Deficient of Fluoride Results in Orthodontic Problems

New York — (UPI) — Orthodontic problems resulting from misplaced, tilted and crowded teeth occur two and a half times more frequently among children drinking water deficient in fluoride, according to a study of two New York cities reported in the American Journal of Orthodontics.

The study of Newburgh and Kingston, N.Y., neighboring cities of about 30,000 population each, was conducted by the New York state department of health. It showed, according to the Journal, that Kingston children, aged 13 and 14, lacking fluoridated water, had a 22.5 per cent rate of malocclusion. In Newburgh, where fluoridated water was used, the rate of malocclusion was 9.4 per cent, authors of the article said.

The lower incidence of orthodontic problems is due, the article said, to the lower rate of tooth decay and loss among children who drink fluoridated water.

Last month, the cross of nails, incorporated now into an eight-foot high cross of silver, stood on the altar of the new Coventry cathedral when it was consecrated before Queen Elizabeth and a multitude of worshippers from all over the world—including Germany.

Never in Britain has a cathedral been built with such a sense of urgency and never in the world has one sprung into full being with such speed.

Queen Elizabeth laid the foundation stone of the \$3.5 million structure only six years ago.

Not that Coventry is a particularly religious city, although it was founded in 1043 around a monastery established by Earl Leofric whose wife was the famous Lady Godiva. Today it is an industrial boom town of 250,000 population with high wages, a high crime rate and fewer churchgoers than the average British city.

But the cathedral is Coventry's fulfillment of a promise to itself—whether it uses it or not. And to the Church of England the cathedral represents its greatest challenge since the war, a chance (it says) to help a restless city find its soul.

The church campaign to modernize its image in Coventry began even before the first pink sandstone building blocks were being put into place and craftsmen here and in France were working on commissions for the building—as magnificent inside as it is controversial outside.

This is no Gothic masterpiece in the great tradition of cathedrals. Sir Basil Spence, the architect, was told to design something in keeping with the present and future and to preserve the spire and ruins of the old cathedral in the forecourt as a link with the past.

Sir Basil thus becomes one of the few architects to live to see his own cathedral completed. The last one in Britain was Sir Christopher Wren who built St. Paul's at London some 250 years ago.

There have been many complaints about the shape Sir Basil chose—a starkly functional, almost bare exterior which impresses mainly by its great length, over 300 feet for the nave alone. It is not even very obviously a church except for the 80-foot high bronze spire which was, fittingly perhaps for such a radical departure in cathedrals, hoisted into place by a helicopter.

On each side of the nave there are five sharply angled windows giving it somewhat of an accordion effect from the outside. Sir Basil planned at first to scallop the walls but while he was in a dentist's chair, under anaesthetic for a tooth extraction, he got the idea that the angled windows would direct the light where he wanted it—at the altar.

Another of his ideas for the cathedral—the intricate cup-shaped design of the roof—he says was inspired by a magnified photograph of the eye of a fly that he saw in a magazine one day.

Unembellished as the cathedral may be from the outside, it is filled with treasures within.

Hanging behind the altar is the largest tapestry ever woven, Christ In Majesty, designed by the distinguished artist Graham Sutherland. It is 70 feet high and 39 feet across and the light from the angled windows makes its colors—yellow, violet, grey and moss green—shimmer in beauty.

The entire west wall is a clear glass window engraved with ghostly grey angels. There is a stained glass south window regarded by experts as among the best produced since medieval days. Many countries sent gifts, among them a mosaic floor made of 100,000 pieces of marble from all over Europe and bought by a Swedish fund to which the king and queen of Sweden contributed.

German Chancellor Konrad Adenauer sent a personal gift of \$11,898 and German

churches sent 16 young German volunteers to help with the work of reconstruction. With the challenge of Coventry in mind, Bishop Cuthbert Bradley has assembled

a staff whose average age is more than 20 years younger than the usual cathedral staff. The Very Rev. Harold Williams, 47, who will run the cathedral, describes it as "this

great laboratory experiment for the Kingdom of God." The cathedral will have its own television studio and a refectory open all day to the public for meals and coffee

and in the evening as a coffee-bar for young people. Mr. Williams said he would stage serious modern plays in the cathedral and the television studio would often be used for live transmissions.

4-H Club News

Tricky Trotters

The Applegate Tricky Trotters 4-H Horse club met at the home of Brion's and Brewster's recently.

Adrienne gave a demonstration on western horsemanship. Each member practiced it, hoping to improve.

Marilyn Winningham, Reporter

Experimenters Sewing Club
Eight members of the Experimenters 4-H Sewing club

met at their leader's home recently. They welcomed one new member, Barbara Lilly. Members answered roll call with the names of cotton fabric.

Shirley Isaacs and Doren Duggan gave a demonstration on how to make slippers.

Reporter

Culinary Cuties
The Mothers' Tea sponsored by the Culinary Cuties and Sewing Susans 4-H club of

the Applegate was attended by mothers of the members, Miss Phyllis Kirkland and members.

Sharon Prowell demonstrated the correct method of setting a table. Nancy Brown demonstrated threading a machine.

Business meetings of each club were held. Refreshments were served.

Judy Macy, Reporter

In a life span of 70 years a human being eats 1,400 times his body weight.

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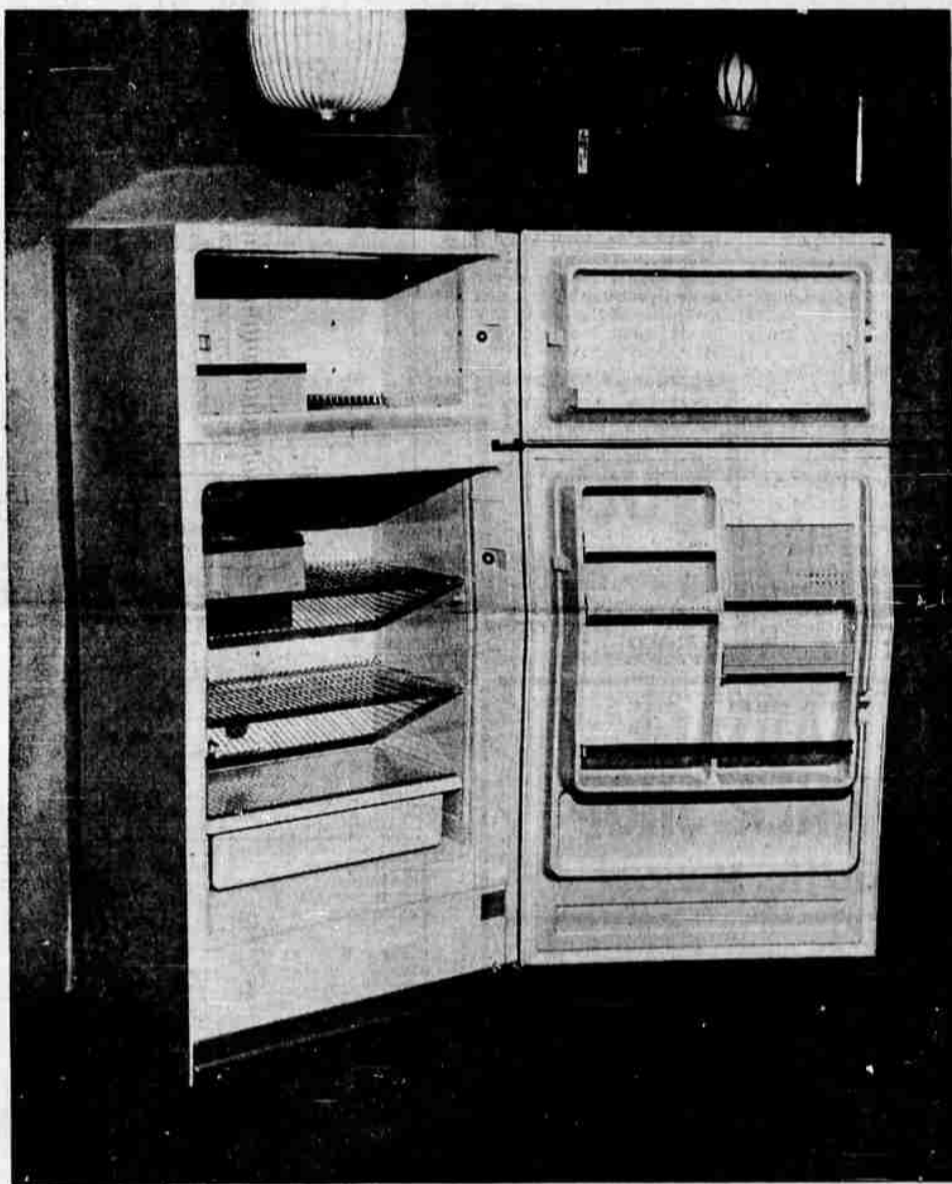
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