thaw comes to Franklin Expedition after 140 yrs

attie, a physical an-at the University of at known for bis search iklin Expedition. His prensic anthropology earch for the Franklin

gy is the study of the ns and is used to en the Medical Exam , or has bones brought sk folksome assistance rpreting the remains. scertain whether the animal; then, if they problem in the forensic sciences and forensic anthropology: to collect the physical evi-dence of the remains and try to interpret the disaster from that perspective.

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The Franklin Expedition is remarkable because it can be looked at in the same manner as a hunting accident today. The bodies of the seamen who were burled in permafrost at Franklin's first wintering site near Resolute Bay were incredibly well preserved. This allowed Beattle's team to look at them as if they had died within a week or two of the present day, and allowed the application of modern medical autopsy by Roger Amy of the U of A's pathology department. An indepth view of the health of these men, which would reflect many of the conditions that were being experienced by the rest of the



crew was possible

crew, was possible.

The autopsies showed that these three men were ill with tuberculosis, a common disease of the time, and likely died of pneumonia. The lead content in their tissues supports their hypothesis that there were toxic metals present, probably from the tinned foods.

Tinned food, Beattie believes, was a key factor contributing to the Franklin disaster. The interpretation that the new technology of tinning foods had failed Franklin had been popular when Franklin first disappeared, but

ney are prehistoric or ent, there is obviously pursue... the identity s represented," says

ich helis able to give may include sex, age, s such as living stature s on the bone, or bone that could be ed with X-ray or other characteristics, when ft tissue remains that it the site of the bones an help the Medical who the person was th. Beattie is involved.

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iddition to this work authoring Frozen in bably coming out in early September, and s of research into the vers the search for the to Franklin after he

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it later fell into disfavor until it was recently revived. Beattie thinks that the foods were poorly packaged, that much of the food in the tins did go bad, that they were a source of possible toxic metal poisoning. These problems would have put the crew under stress relating to a lack of food later on, as supporting a crew of 122 men off the land would be extremely difficult. Beatties says that "what we've really found is that the food supply, this new technology of tinning foods, failed them, and that this failure ultimately led to the disaster, the final outcome of everybody perishing."

pershing."

The initial problem that Beattie had with his study was first "... the location of the remains, then to identify them as originating from the Franklin Expedition.," When Franklin in idid not return to England in 1848, the British began to search for survivors. By the early 1890's, after realizing that there were no survivors, they began searching for where Franklin fast gone. The site where Franklin first wintered, where the three seamen were buried, was discovered in 1895. In 1854 the site where most of the other crewmen had

"The bodies of the seamen who were buried in permafrost. were incredibly well preserved."

died was discovered, much further south.
"Later searches in 1859, 1869 and 1879 in the
area where most of the men died, found a lot of
the sites, even many skeletors... on the
surface. Through these searches it was possible to piece together the graphic distribution
of where the Expedition went, and where it
ended." In 1981 and 1982 Beattie's team
followed the same route that Tranklin's people did after they were forced to desert their
ships. In this manner they located some of
the skeletal remains.
Funding for the Franklin project was ac-

the skeletal remains. Funding for the Franklin project was, according to Beattle, available for projects like this. "We were supported by the U of A, Social Science and Humantiles Research Council and the Polar Continental Shelf Project of Energy, Mines and Resources Canada." He say that "... the kind of work that we were doing is not very expensive. What is really expensive in the Article is transportation." Their project cost about \$15,000 per sesson in 1984 and 1986, when doing survey work on Kingway Island. "It



(surveying) is much more economic, because it was a smaller crew, and basically we were trying to locate and document sites. We were not doing anything on the sites that required any specialized equipment or excessive freighting costs."

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The seasons were quite short, only three-weeks long. This was due to the physical and emotional stresses imposed on the type of work they were doing. Beattle says "... three weeks I think was tolerable, but I wouldn't want to push myself or others beyond that." Beattle will be taking a study leave next year to complete the reports on the Franklin Expedition and write another book on the project. Eventually he would like to investi-gate other historical problems using the same multidisciplinarian approach. He says that "what we've done is demonstrate a certain kind of approach to a historic proble-lem. There are many historic problems, and prehistoric problems, in Canada, south and north, that could be looked at using this approach."

Story by: Kerry Deane

Photos courtesy of: Owen Beattie

