

ANATOMY OF A LARGE METEOR, LIKE THAT REPORTED OVER SIBERIA IN SEPTEMBER, 2002 (SEE PAGE 2 FOR FULL STORY).

Pictures and Text Courtesy of: Meteorite and Impacts Advisory Committee to the Canadian Space Agency. <http://miac.uqac.ca>

Bruderheim.

The largest recovered fall in Canada, Bruderheim was located and collected after a spectacular fireball was seen over a wide area on the 4th march, 1960. It has been widely studied by modern techniques of isotopic, trace element and electron microprobe analysis. It is a L6 chondrite.



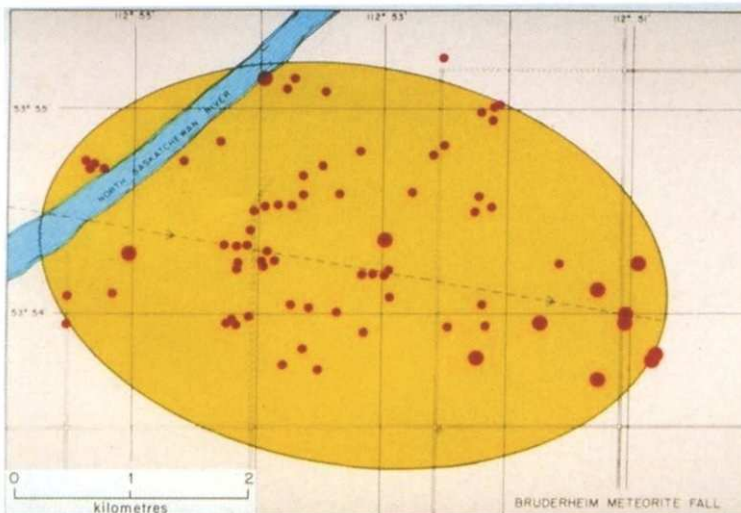
Fragments of the Bruderheim fall.

The stones making up the Bruderheim fall vary enormously in size from 31 kg downwards. The slide gives some idea of this size range. It will be noted that virtually all the fragments show the typical black fusion crust, indicating that fragmentation took place during the passage through the atmosphere while the meteor was still traveling fast. The stones making up the Bruderheim fall vary enormously in size from 31 kg downwards. The slide gives some idea of this size range. It will be noted that virtually all the fragments show the typical black fusion crust, indicating that fragmentation took place during the passage through the atmosphere while the meteor was still traveling fast enough to cause frictional surface fusion. The largest piece of such a shower tends to travel furthest and thus end up towards the end of the ellipse of fall furthest from the radiant of the fireball. (Photo Dr. Peter Millman). enough to cause frictional surface fusion. The largest piece of such a shower tends to travel furthest and thus end up towards the end of the ellipse of fall furthest from the radiant of the fireball. (Photo Dr. Peter Millman).



Sample locations of meteorites of the Bruderheim fall.

The brilliant fireball that was observed for the Bruderheim fall ended with a detonation that was heard over about a 100 km radius. Pieces were quickly located lying on the surface of the snow, ranging in size from a few milligrams to 31 kg. In total, nearly 700 fragments with a total mass of more than 303 kg were recovered from an area which was centred about 10 km north of the town of Bruderheim. The largest individual is in the National Meteorite Collection, Ottawa, although the bulk of the material is held at the University of Alberta in Edmonton. The slide shows the approximate ellipse of fall as defined by recovered fragments. Note that the fireball was traveling in an WNW to ESE direction and that the larger fragments are concentrated at the far end (ESE) of the ellipse.



PHYSICS NOTE

On collision, a 100 Kg chunk of rock, moving at a speed of 100 m per second, would release enough energy to instantaneously melt 10 Kg of lead !



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DID SIBERIAN "INSTALLATION" ZAP AN INCOMING METEOR?



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OBITUARY

Gordon Creighton

A diplomatic approach to alien visitors

Reprinted from *The Times*, 16th August, 2003.

GOVERNMENT service occupied most of the working life of Gordon Creighton, but he perhaps made his greatest mark as an authority on unidentified flying objects. His conviction that extra-terrestrials were visiting Earth seemed oddly at variance with the more orthodox worlds of diplomacy and Whitehall.

Gordon William Creighton was born in Rickmansworth in 1908. His was a conventional education — Bishop's Stortford College, Cambridge University and the École Libre des Sciences Politiques in Paris. His years in government service included postings in Europe, North and South America and China.

His first post was as an attaché to the British Embassy in Beijing, where he later became First Secretary. He performed the duties of consul at Nanking, Shanghai and Recife, Brazil, and was consul-general at Antwerp and New Orleans.

His expertise took him into government research on maps in oriental and other languages with the Permanent Committee on Geographical Names, and he spent eight years as an intelligence officer on Russian and Chinese affairs at the Ministry of Defence. It is said that in the intelligence post he worked directly below the secret Whitehall department where the Air Ministry and the RAF were studying information on UFOs.

His specialisation in international relations in the eastern hemisphere was accompanied by a love of languages. He studied 20 of them, including Russian, Chinese and Sanskrit.

Creighton's interest in UFOs was stimulated in the summer of 1941, when he saw "a white disc with a piercingly bright bluish light on top racing through the sky in the far west of China, near the eastern marches of Tibet". At the time he was with the British Embassy in China's wartime capital Chungking.

When *Flying Saucer Review* was set up in 1955 he became a regular contributor. He later sat on the magazine's board and was its editor from 1982. He

claimed that the Duke of Edinburgh had been a reader from the earliest days.

Creighton had no time for traditional British nervousness about what the neighbours might think. For 30 years, commuting daily from Hertfordshire to London, he "made a special point of carrying and reading *FSR* in the train up to Baker Street and then on the Underground". He was pleased to recall that "it must have happened on at least a dozen occasions that complete strangers would step across the gangway to me and say: '*Flying Saucer Review!* Where can I get that?'"

Creighton's stories about flying saucers and his observations were fascinating to the listener. He believed sightings of alien craft were common all over the world and that the human race had had frequent encounters with the visitors. He said that on one occasion President Eisenhower's whereabouts for several hours were kept secret. The President, Creighton said, had been called to an airbase where an alien craft was hovering, but had insisted that the incident should never be made public.

Governments, Creighton believed, have been "lying about the UFO problem for more than 50 years", and take the subject far more seriously than they will admit. According to *Flying Saucer Review*, "the US Government in particular holds a number of crashed craft and a considerable number of preserved bodies of small dead crew members of a certain species about 4ft-4ft 6 in, in height". He understood this government reticence, however, and feared that the intentions of aliens could be hostile and that detailed information might cause alarm.

Gordon Creighton's wide range of interests embraced the world's main religions. Though born a Roman Catholic, he was not confirmed until he was past 90.

His wife predeceased him. He is survived by a son and daughter.

Gordon Creighton, diplomat, civil servant, and Editor of *Flying Saucer Review*, was born on April 26, 1908. He died on July 16, 2003, aged 95. ■