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gonish. Unfortunately • or perhaps interestingly • there's a younger rock which has intruded into it, and it doesn't ever really come to the shore very well. But you can certainly see it in some of the logging roads in the centre of Cape Breton Highlands. And that marks the boundary between the Bras d'Or terrane and some of the youngest terrane • the Aspy terrane. We've moved into the ages of rocks when fossils are preserved in them. Though these rocks have all been baked and stewed so much that the fossils are all now unrecognizable. Their ages are around about 430 to 370 million years old. And they include some very complex schists and gneisses, in the headwaters of the Aspy Rivers in particular. And also in the Jumping Brook area. A remnant of South America is preserved as the Mira terrane of southeastern Cape Breton.... As those two continental fragments approached each other, the continental rocks are lighter than the ocean-floor rocks, and they can't go down the subduction zone. They're too buoyant. They won't sink down into the mantle of the earth. So what happens is that all the ocean floor gets pushed down, or sucked down, the rocks in Louisbourg were left behind, the subduction zone as a souvenir of South America as the fragments of continents come together. And it's just like two cars meeting head on • at the speed of 10 centimeters a year! And they collide. But the forces are so immense and so powerful that the collision perhaps goes on for 20 million years before everything finally comes to a grinding halt. And by the time this has happened, a huge mountain range has been forced up. And later on, these were intruded by granites. The Margaree granite on the west side, and the Black Brook granite coming out at Neil's Harbour on the east side, are two examples of that. But what was happening here was that we had another sliver of rocks caught between the vices of two continents moving along. You remember I said earlier that the ocean plates were moving down a subduction zone. But those ocean plates also carried on them, like a piggyback rider, fragments of continent. One of these continental fragments by this time was probably South America. It's preserved to day • a remnant of South America is preserved as the Mira terrane of southeastern Cape Breton. Another was North America, carried on a different plate. And its remnant is the northwestern Highlands, by Pollett's Cove. We know from the kinds of minerals that are preserved in the central Cape Breton Highlands, west of Cheticamp Lake, that that area was covered by mountains which were at least LADIES' & MEN'S MADE-TO-MEASURE SUITS • ALTERATIONS AND REPAIRS • Leather Work at 737 Grand Lake Road (Across from Mayflower Mall) OPEN MONDAY TO SATURDAY • 9:00 a.m. to 6:00 p.m. TELEPHONE 562-4462 You can make it happen. Atlantic Canada Agency du Canada atlantique Enterprise Societe d'Expansion Corporation du Cap-Breton There are few careers more rewarding than owning your own business. Both for you - and the economy. That's because 80% of new jobs in Canada are created by small business owners.



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