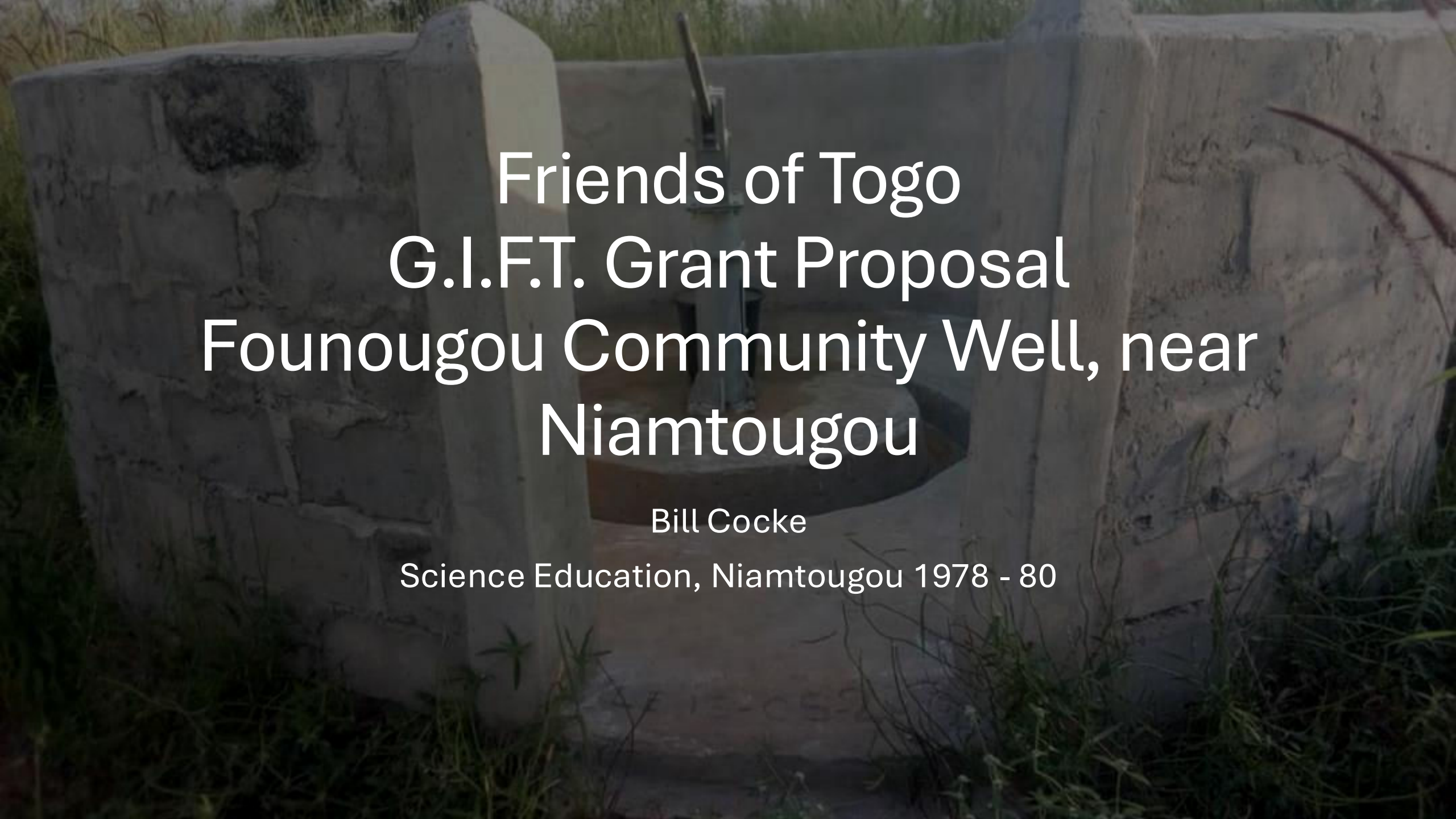




Friends of Togo G.I.F.T. Grant Proposal Founougou Community Well, near Niamtougou

Bill Cocke

Science Education, Niamtougou 1978 - 80

BEFORE

- Hand-built earth dam (barrage)
- Water for irrigation
- Drinking water
- Cow bath
- Laundry
- Spreading parasites
- Spreading disease, including diarrhea



In the beginning

Manual drilling – shown here with assistance by mud pump to circulate cuttings from the borehole



Electric motor to turn the drill bit

- Increased drilling speed.
- Heavier drill string to penetrate semi-consolidated formations.



MISTAKES WERE MADE

- Cloudy water – incorrect screen placement
- Wells go dry after a few buckets – shallow bedrock
- Hand pumps were not productive enough – long lines

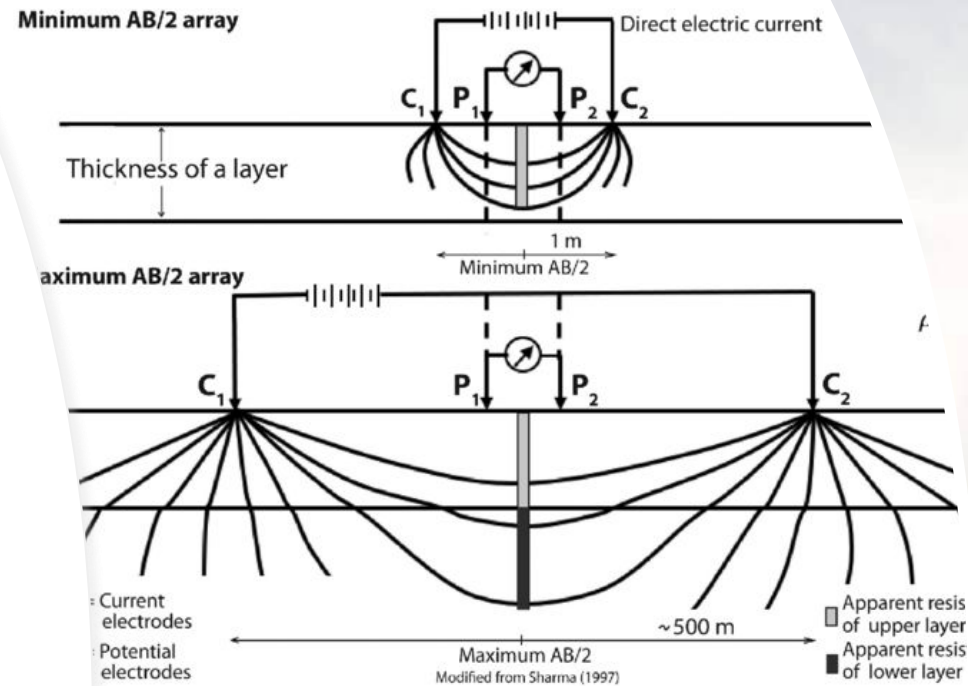


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Some solutions

- Geophysics - measure depth to bedrock
- Core barrel – to find the exact aquifer interval
- Elevated storage tank – eliminates the force needed to pump the well – especially helpful for children



FUTURE SOLUTIONS

