ENGEBI ISLAND SAND PARTICLE

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Copv

While searching for counting material for an experiment to it is applied to be applied to the ap

200 yards from the crater on Engebi Island was surveyed.

effects of radiation on aquatic plants and annuals. The initial

Much of the sample was of a low count, but single "hot"

contract for establishing the incoratory was an agreement because the

particles were found. The highest count of a single particle was

12,800 per minute for a sample that weighed 0.0024 grams. The sample Familington. I have a transfer to a sample that weighed District according to the sample of the sampl

was counted in an internal methane flow counting chamber the responsibility as the Country as the country as the country as

(Nucleometer) for which the geometry is assumed to be 50%, and on the state of the

finample, for geometry, and for backscatter, the number of districtive per second per gram of material is calculated as being 198,000* for equivalent to 3-1/2 microcuries. The metivity of the single particle was approximately 1/100 of tarmicrocurie.

Ho alpha activity was present assindicated by the count obtained from the Nucleometer operated in the proportional range and
from the VII. Like and staipha scintillation counters upon or avoid

The isotope has not been identified. The particle was not attracted by a magnet. The absorption curve suggest at least two sisotopes with the greatest count from an isotope, that has a range

to train aluminum of 600+ milligrams per square contineter which is
to provequivalentate an energy of approximately 1.35 Mev. Assuming that
wen witherparticlegis a fission product, age at time of counting was greater
techniquanum jears in biological work. During the past year, five of

the stall members have purpled abutted that should but5/22/50 rest to #(12800)(2)(.75) = 130,000 (app)
advanced 469)(.0024)bit atody program has been carried out the purities

 $3.6)(10^{10}) = 3.1/2$ microcuries (app) (12.800)(2)(.75) = .01 microcurie (app) $-130.000_{-10} = 3-1/2$ Mcuries