

11 DEC 1952

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Professor S. S. Cairns
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 University of Illinois
 Urbana, Illinois

Dear Stewart:

For the summer of 1953 no estimates other than informal ones have been made. We are expecting a proposal from the Bureau of Standards through ONR which will be the official estimate of what will be done and how much it will cost. We expect to arrive at a definite figure after seeing the proposal.

My own estimate of salaries and expenses (other than your own) would be approximately the same as last year, \$21,000. Added to this would be 60% overhead, \$12,600, making \$33,600. If we allow \$10,000 for additional computing (67 hours) we get \$43,600, exclusive of your own salary and expenses.

My view of computing is this: There should be generous provision for time on SWAC for any computing needed by the scientists, of the type where the presence of the scientist is a consideration. In the case of extensive routine computation it will be more effective and cheaper to do it on our own equipment, which is more capacious and reliable, even if slower. By next July 1st we will have five computers on board or imminent, each more capacious than SWAC. These five advanced machines will form one of the biggest (and most expensive) installations in the world, and make it difficult to justify paying for SWAC time.

I talked with Engstrom on the telephone. I suggested that Roberts be out in Los Angeles the entire two months, and that ERA allow him to be hired by INA just as the others are. Engstrom said he will talk it over with Roberts and let us know.

I saw D. W. Hall Saturday and he indicated he was looking forward to participating next summer, and was a little concerned at not yet hearing from us. Botte was there too, but he seemed to think he might not be available next summer. He is working on the homework you gave him; in fact, he expects to have it done shortly.

Yours sincerely,

H. H. CAMPAIGNE
 Asst. Chief for Research
 Office of Research and Development

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