Who Got Einstein's Office?

Eccentricity and Genius at the Institute for Advanced Study
10 REM Cellular Automata Program
15 REM Mod 2 Cellular Automata Rule. Initial value: single site
20 REM Macintosh Microsoft BASIC 2.1 Version
30 REM Copyright 1986 by Nicholas B. Tufillaro.
40 DEFINT i,j,k
50 REM Site arrays, R is current row, Q is previous row
60 DIM R(512), Q(512)
70 DEFINT XMAX, YMAX: XMAX = 512: YMAX = 342
75 REM Initial Value single site at top center of screen.
80 Q(255) = 1: PSET (255, 0)
90 FOR n = 1 TO YMAX-1
100 FOR j = 0 TO XMAX-1
120 i = j - 1
130 IF i = -1 THEN i = XMAX - 1
140 k = j + 1
150 IF k = XMAX THEN k = 0
160 REM Cellular Automata Rule “Mod 2”
170 site = (Q(i) + Q(k)) MOD 2
180 R(j) = site
190 IF site = 1 THEN PSET (j, n)
200 NEXT j
210 FOR j = 0 TO XMAX - 1
220 Q(j) = R(j)
230 NEXT j
240 NEXT n
250 END