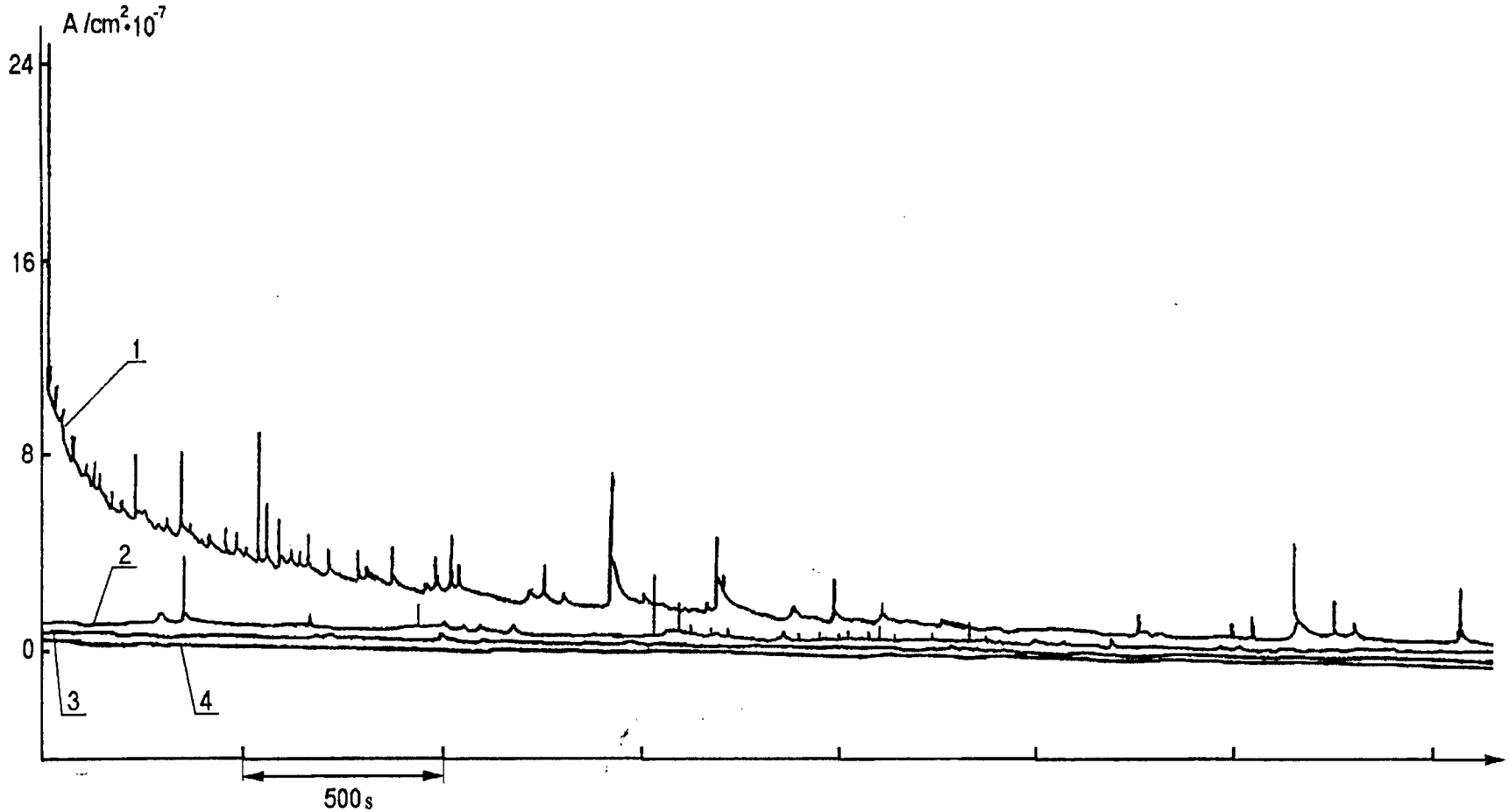
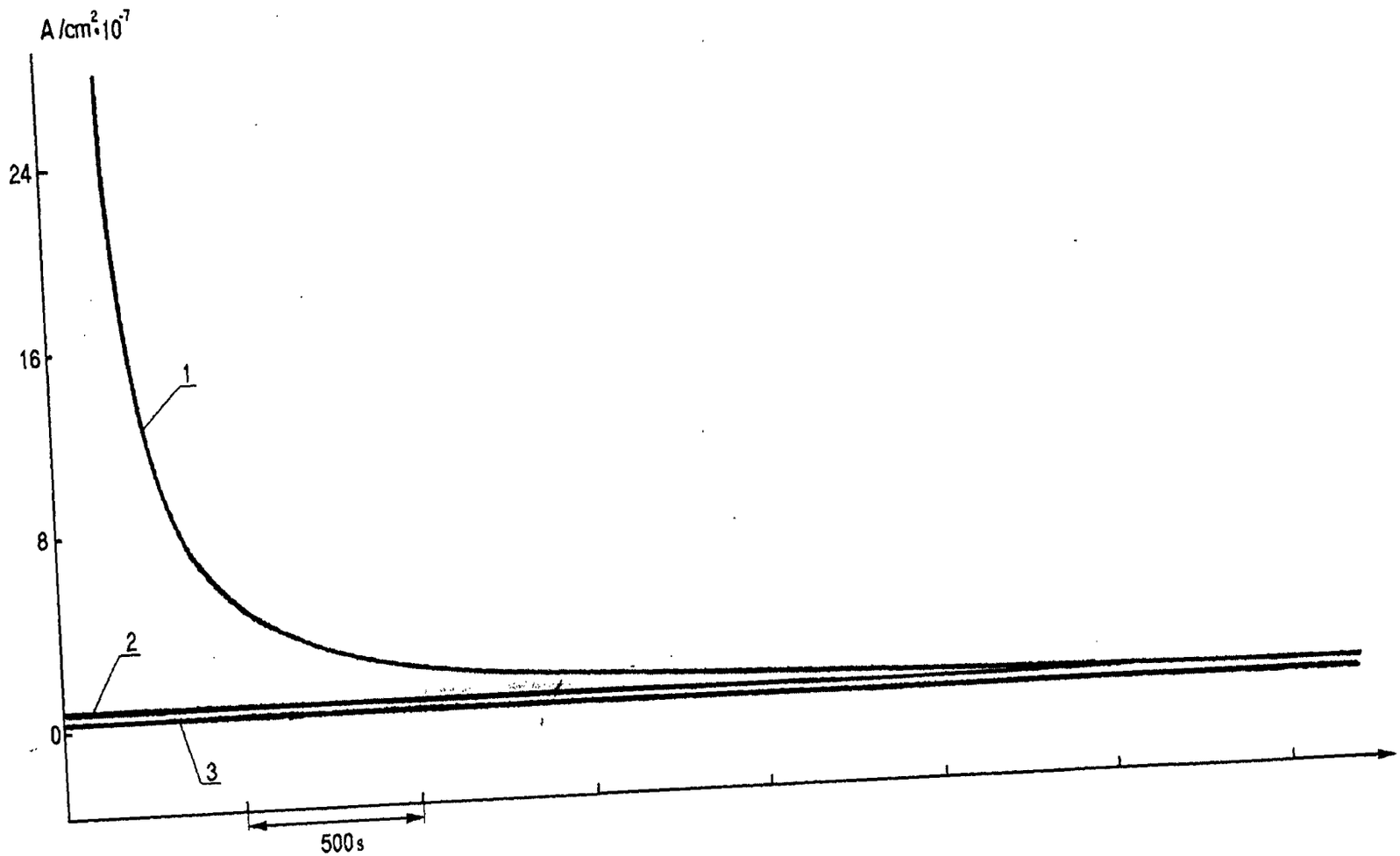
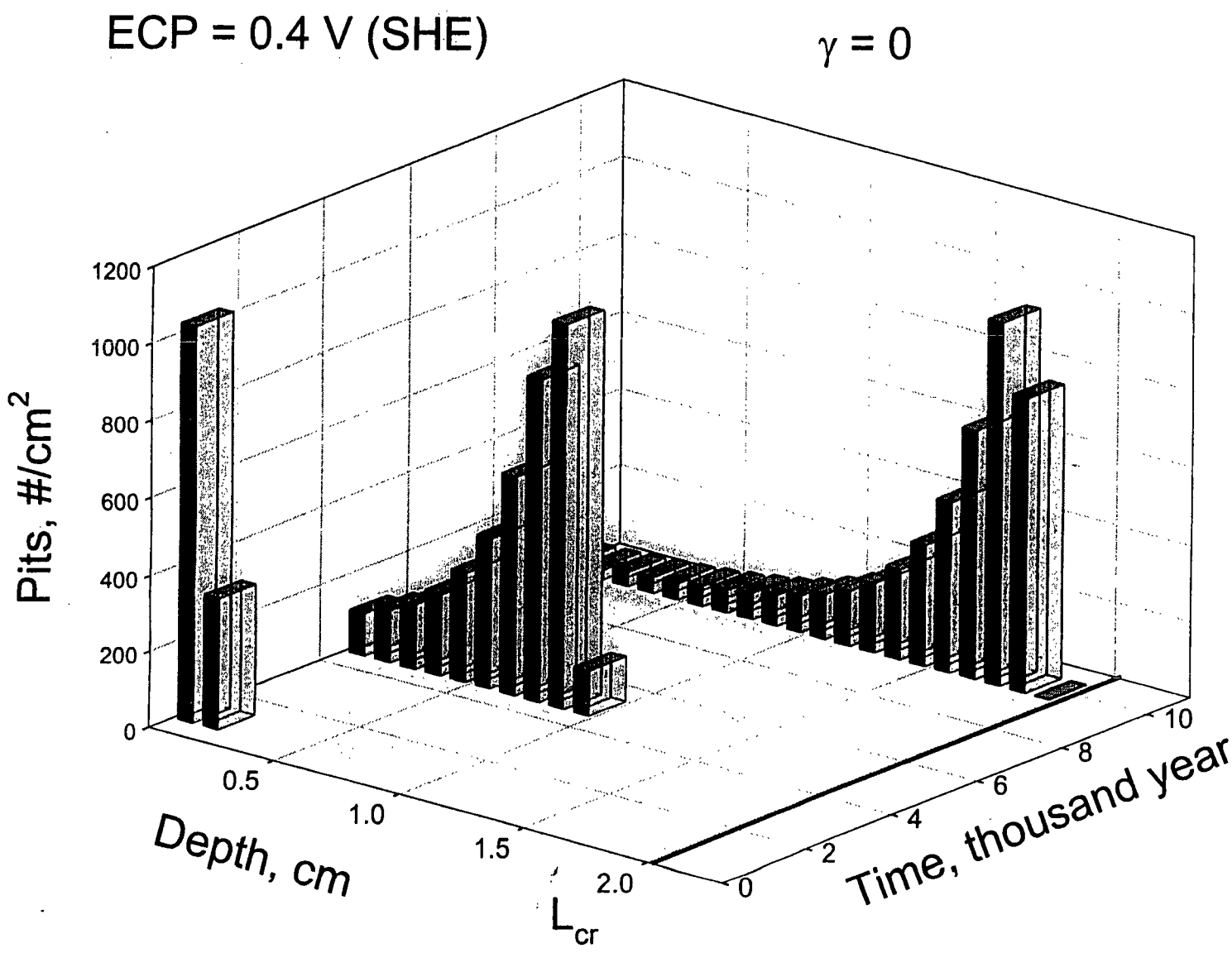
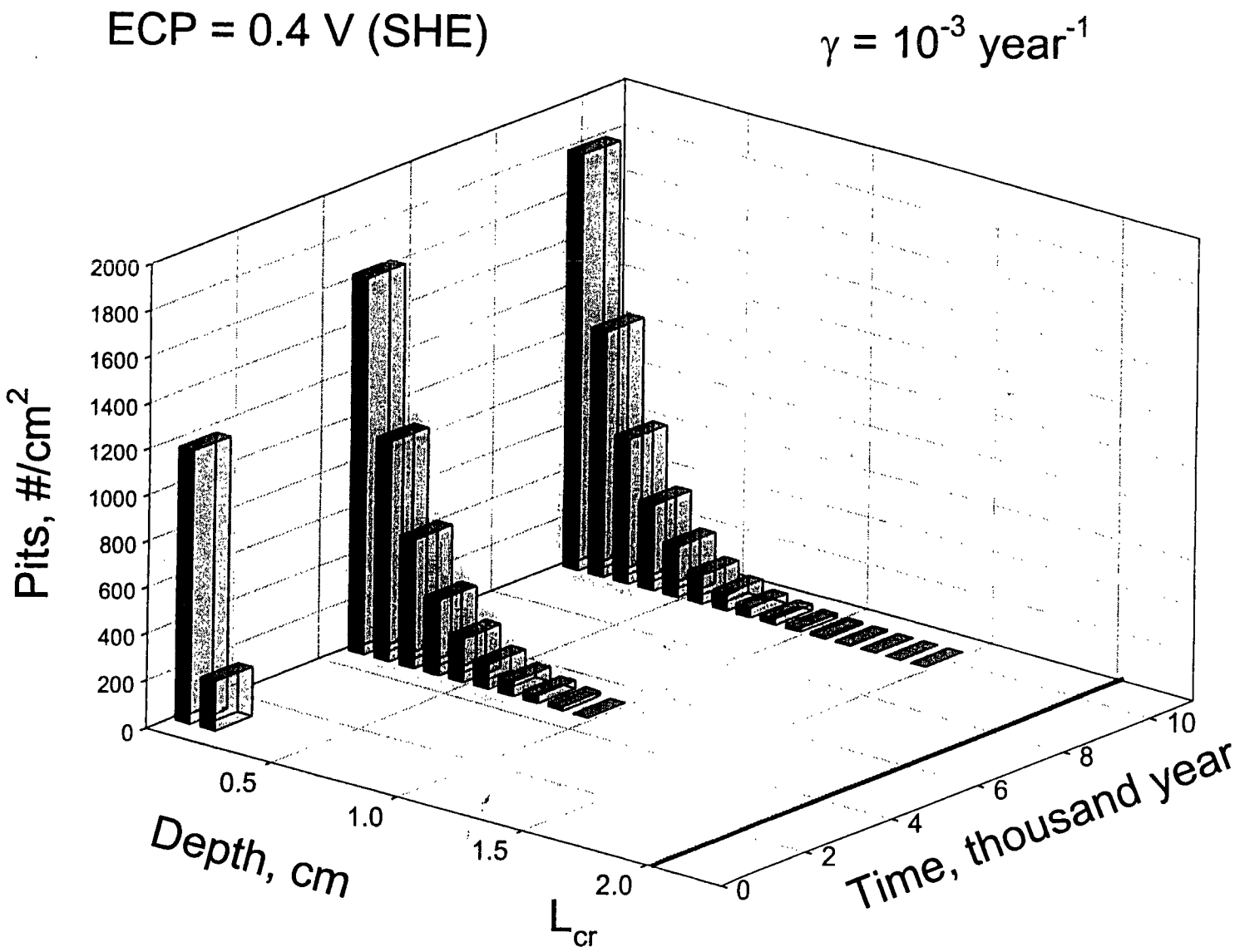


D. MACDONALD


A /cm²·10⁻⁷
24
16
8
0
1
2
3
500 s


ECP = 0.4 V (SHE)
γ = 0
Pits, #/cm2
1200
1000
800
600
400
200
0
0.5
1.0
1.5
2.0
Depth, cm
Lcr
0
2
4
6
8
10
Time, thousand year

A pit in a Hastelloy C-22 test specimen after electrochemical tests in saturated NaCl at 80^0C and pH 3. Grain boundaries are also visible in the micrograph.


ECP = 0.4 V (SHE)
γ = 10^-3 year^-1
Pits, #/cm^2
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0.5
1.0
1.5
2.0
Depth, cm
L_cr
0
2
4
6
8
10
Time, thousand year