Example 17 **Promotes Neurite Outgrowth in Chick Sensory Neurons**

Untreated

10 pM Example 17

FIG.1A



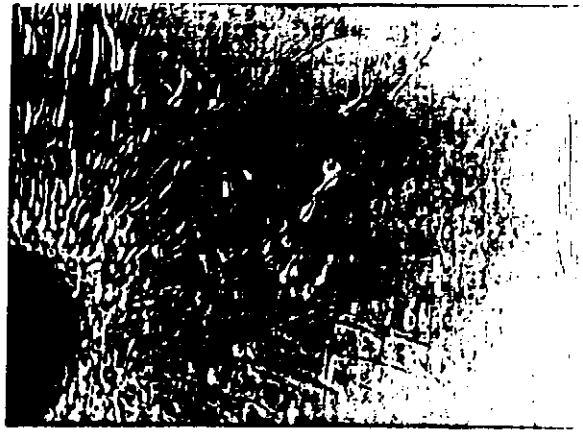


FIG.1B

FIG.1C

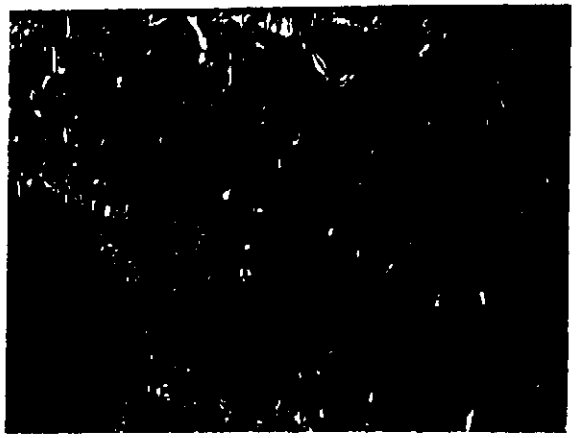




FIG.1D

1 nM Example 17

10 nM Example 17



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FIG. 2

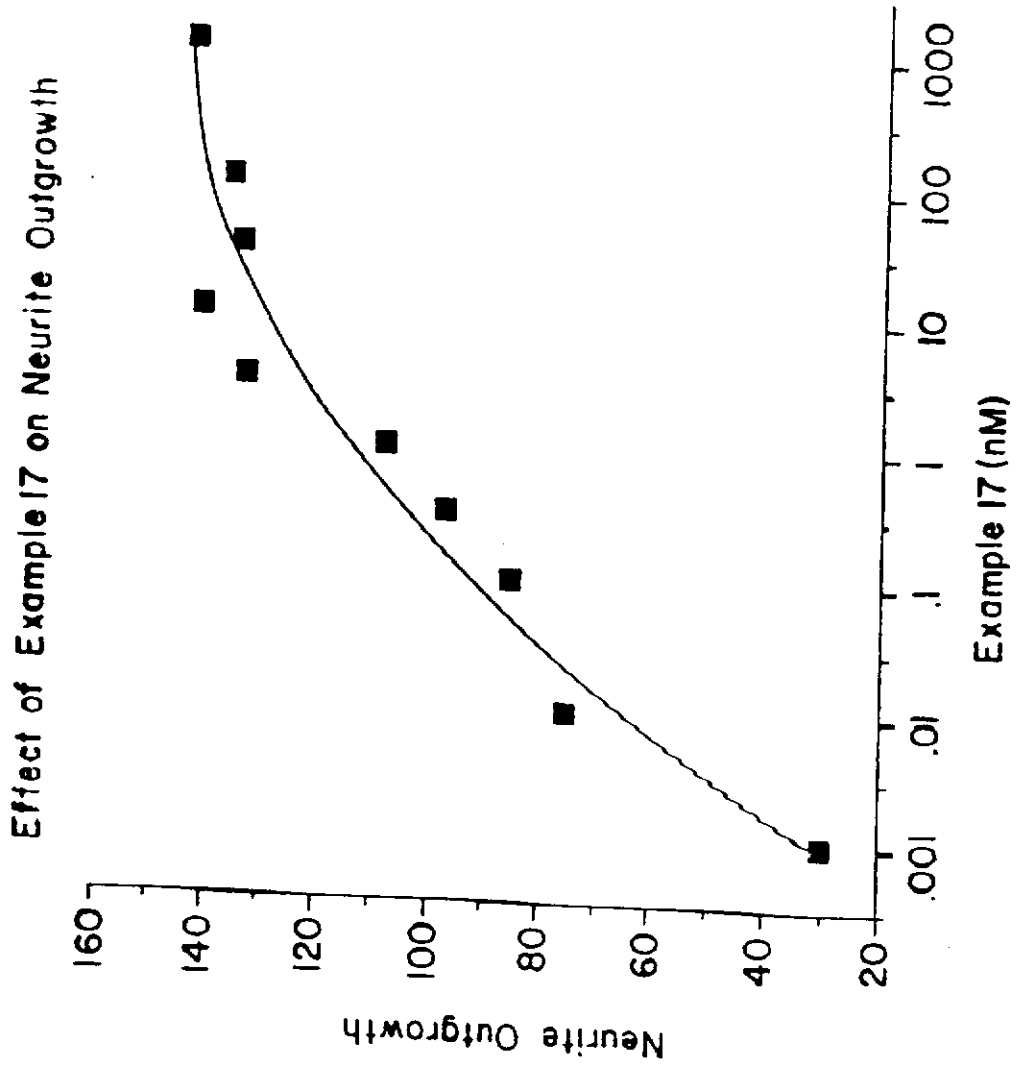

Effect of Example 17 on Neurite Outgrowth
Neurite Outgrowth
160
140
120
100
80
60
40
20
.001
.01
.1
1
10
100
1000
Example 17 (nM)

FIG.3A
Sham

FIG.3B
Vehicle

Example 1

FIG.3C

Inactive

FIG.3D

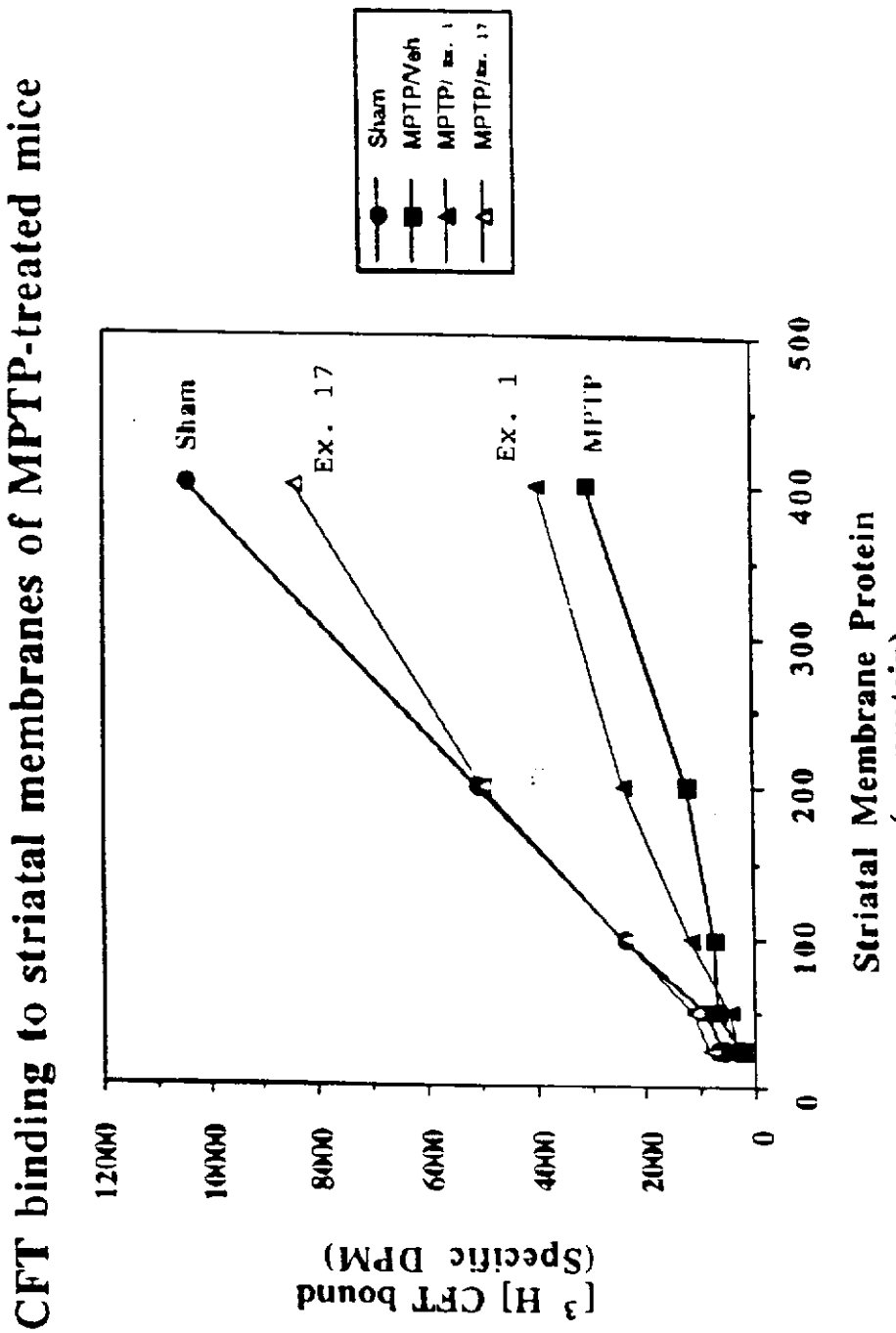
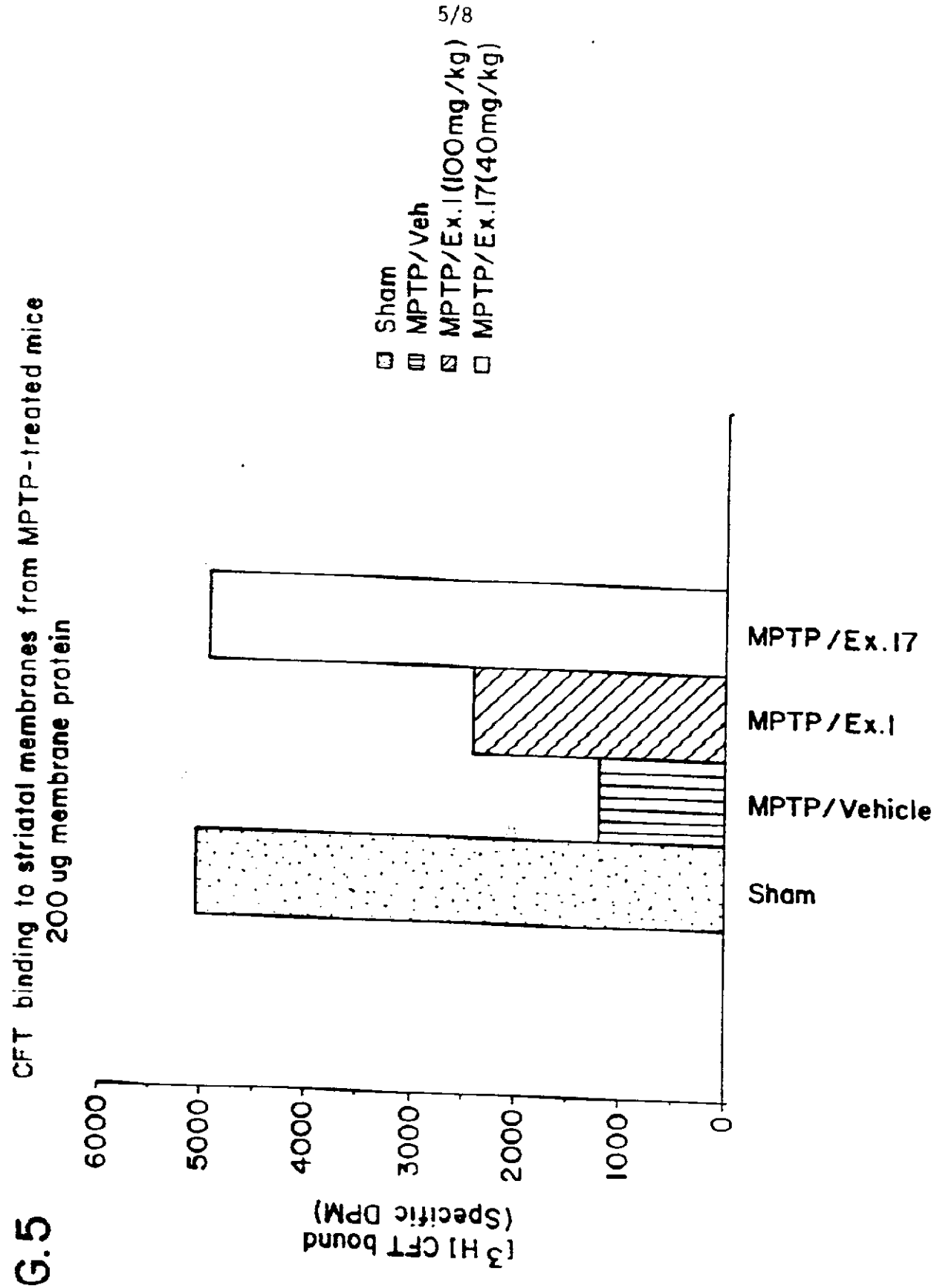

CFT binding to striatal membranes of MPTP-treated mice
Sham
MPTP/Veh
MPTP/Ex. 1
MPTP/Ex. 17
Sham
Ex. 17
Ex. 1
MPTP
[3 H] CFT bound
(Specific DPM)
12000
10000
8000
6000
4000
2000
0
0
100
200
300
400
500
Striatal Membrane Protein
(ug protein)

FIG.4

FIG.5


CFT binding to striatal membranes from MPTP-treated mice
200 ug membrane protein
Sham
MPTP/Veh
MPTP/Ex.1(100mg/kg)
MPTP/Ex.17(40mg/kg)
[3 H] CFT bound
(Specific DPM)
6000
5000
4000
3000
2000
1000
0
MPTP/Ex.17
MPTP/Ex.1
MPTP/Vehicle
Sham

**TH Immunostaining in Striatum**

**Veh/Veh**

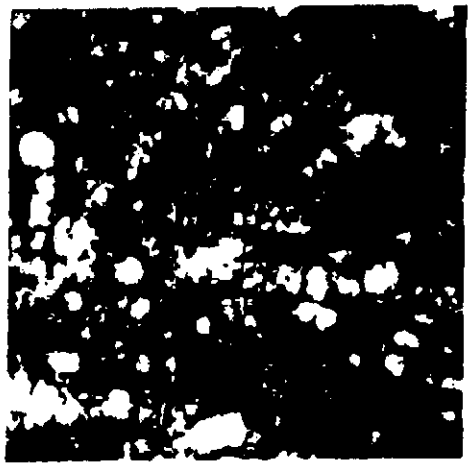


FIG.6A

**MPTP/Veh**

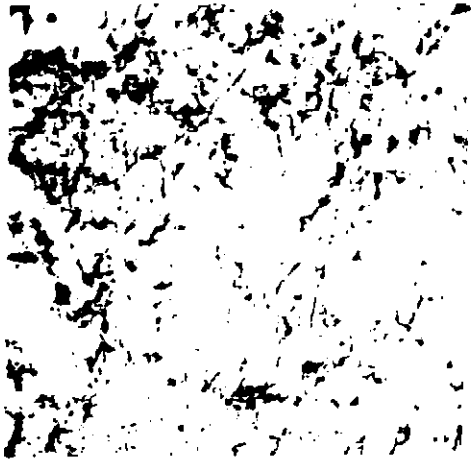
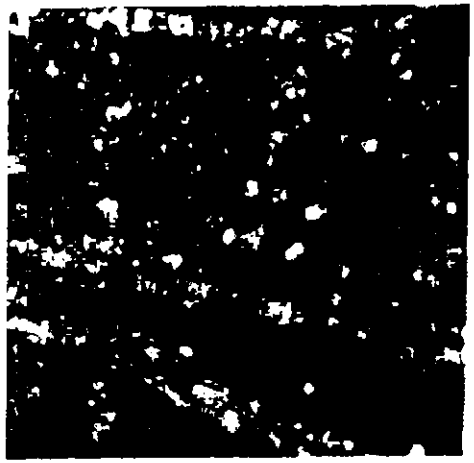
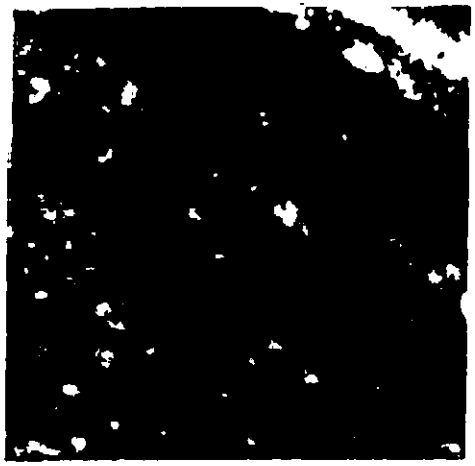


FIG.6B



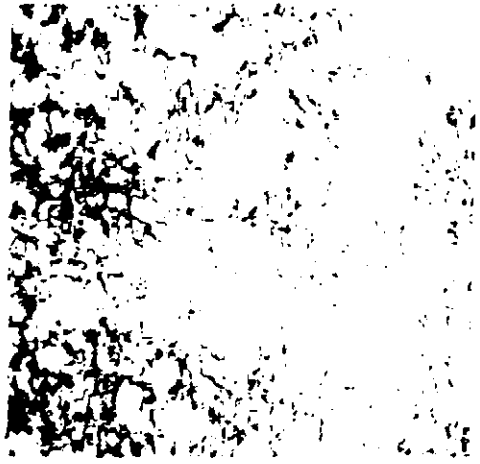
**MPTP/40 mg/kg** Example 17

FIG.6C



**MPTP/20 mg/kg** Example 17

FIG.6D



**MPTP/10 mg/kg** Example 17

FIG.6E

**630X**

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**TH Immunostaining of Nigral Cell Bodies**

**Veh/Veh**



FIG.7A

**MPTP/Veh**



FIG.7B



**MPTP/40** Example 17

FIG.7C



**MPTP/20** Example 17

FIG.7D



**MPTP/10** Example 17

FIG.7E

**50X**

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**TH Immunostaining of Medial Forebrain Bundle Axons**

**Sham** **MPTP/Veh**

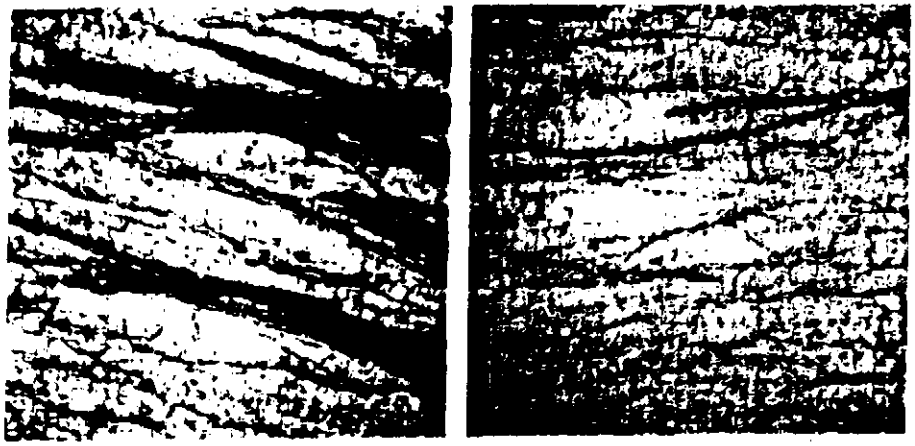
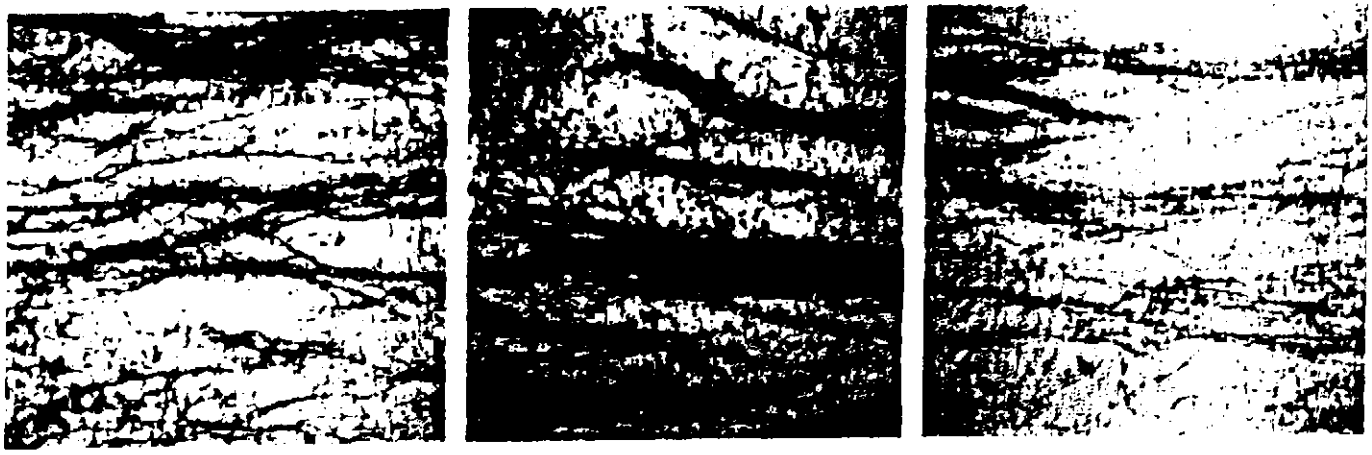


FIG.8A

FIG.8B



**MPTP/40** Example 17 **MPTP/20** Example 17 **MPTP/10** Example 17

FIG.8C FIG.8D FIG.8E

400X



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