



8.0 FIGURES

FIGURE 1

# HYDROCARBON WEIGHT DISTRIBUTION

5871-38-81-24

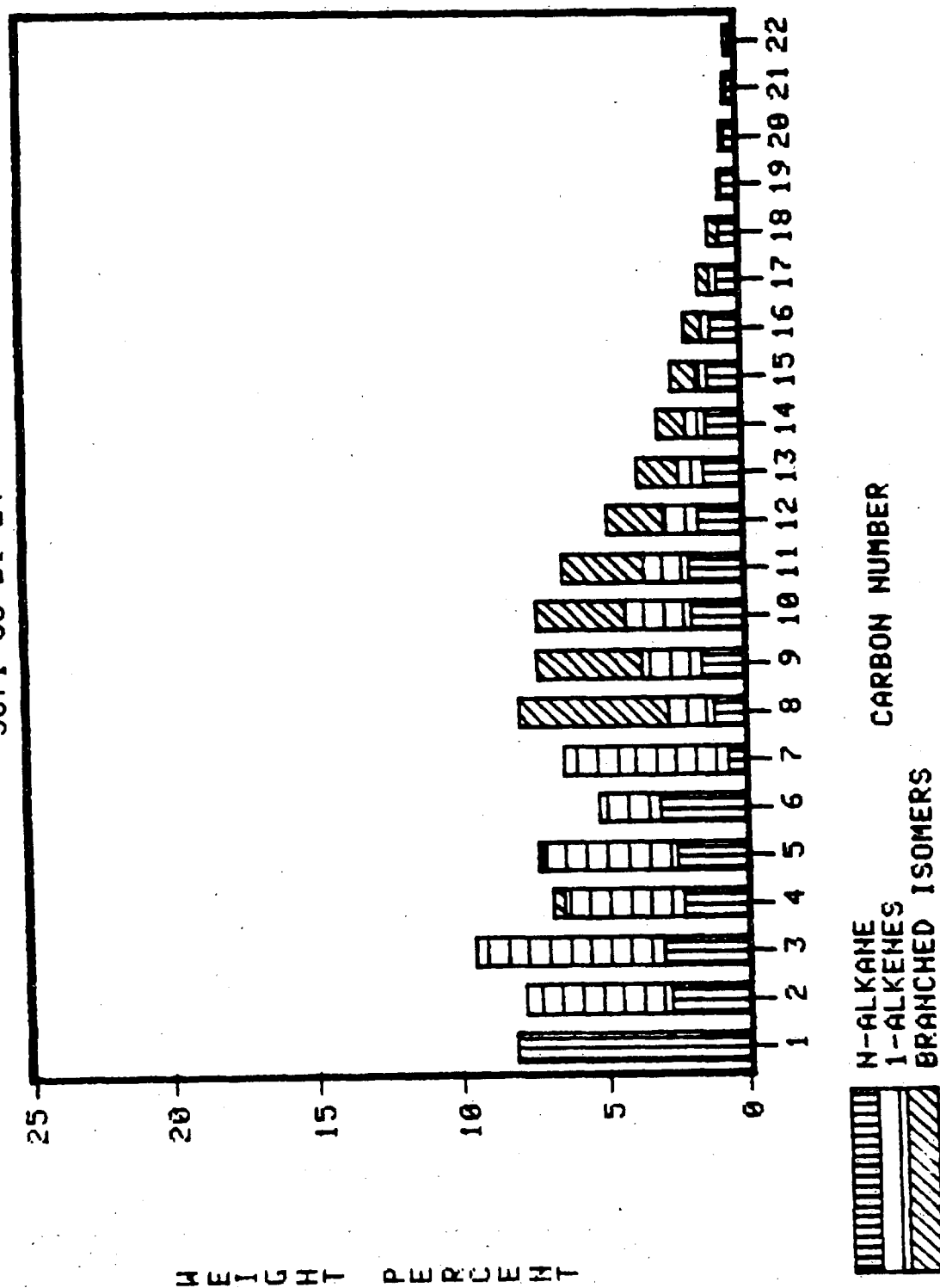


FIGURE 2

HYDROCARBON SCHULZ-FLORY DISTRIBUTION

5871-38-B1-24

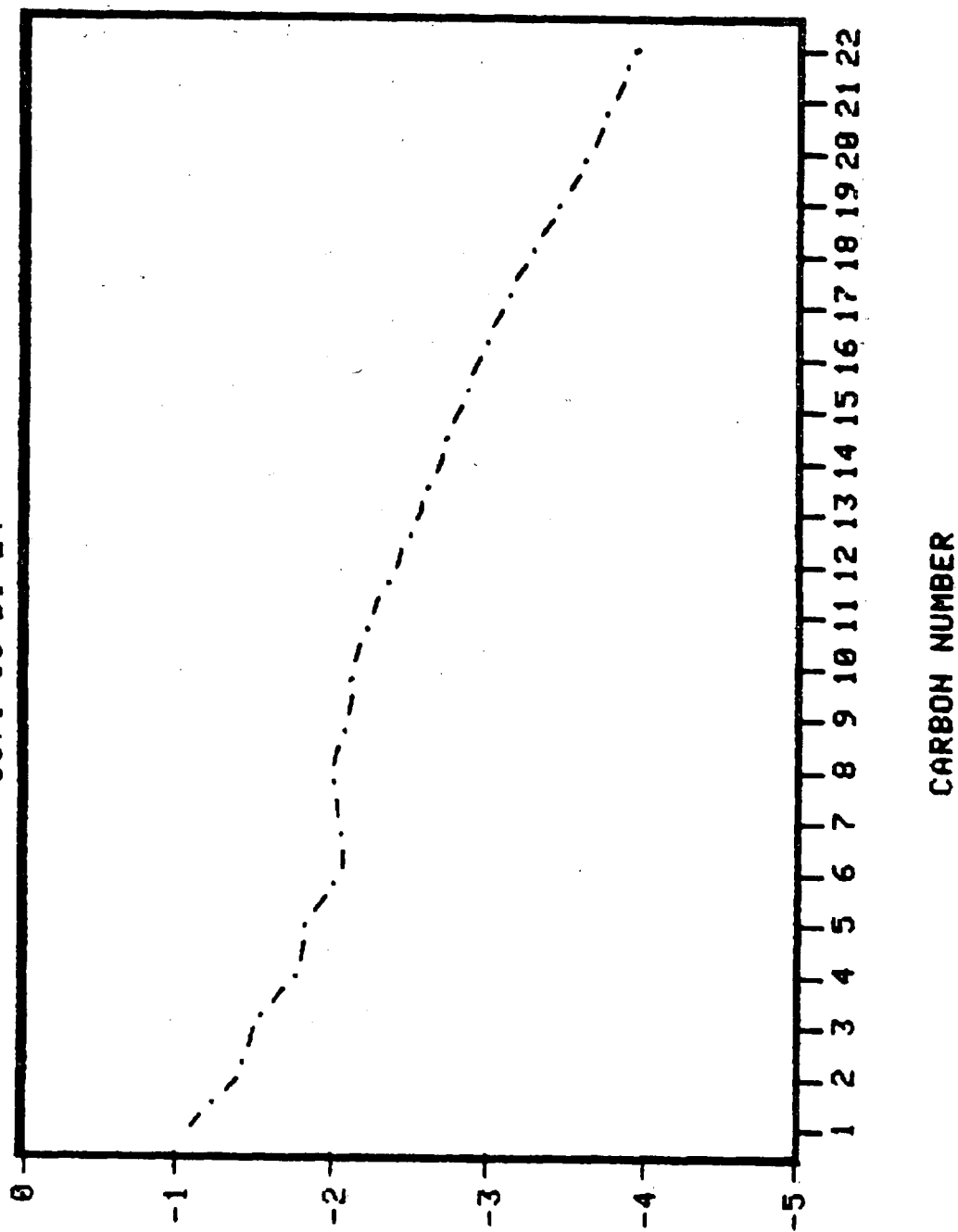


FIGURE 3  
HYDROCARBON WEIGHT DISTRIBUTION  
5871-38-B1-40

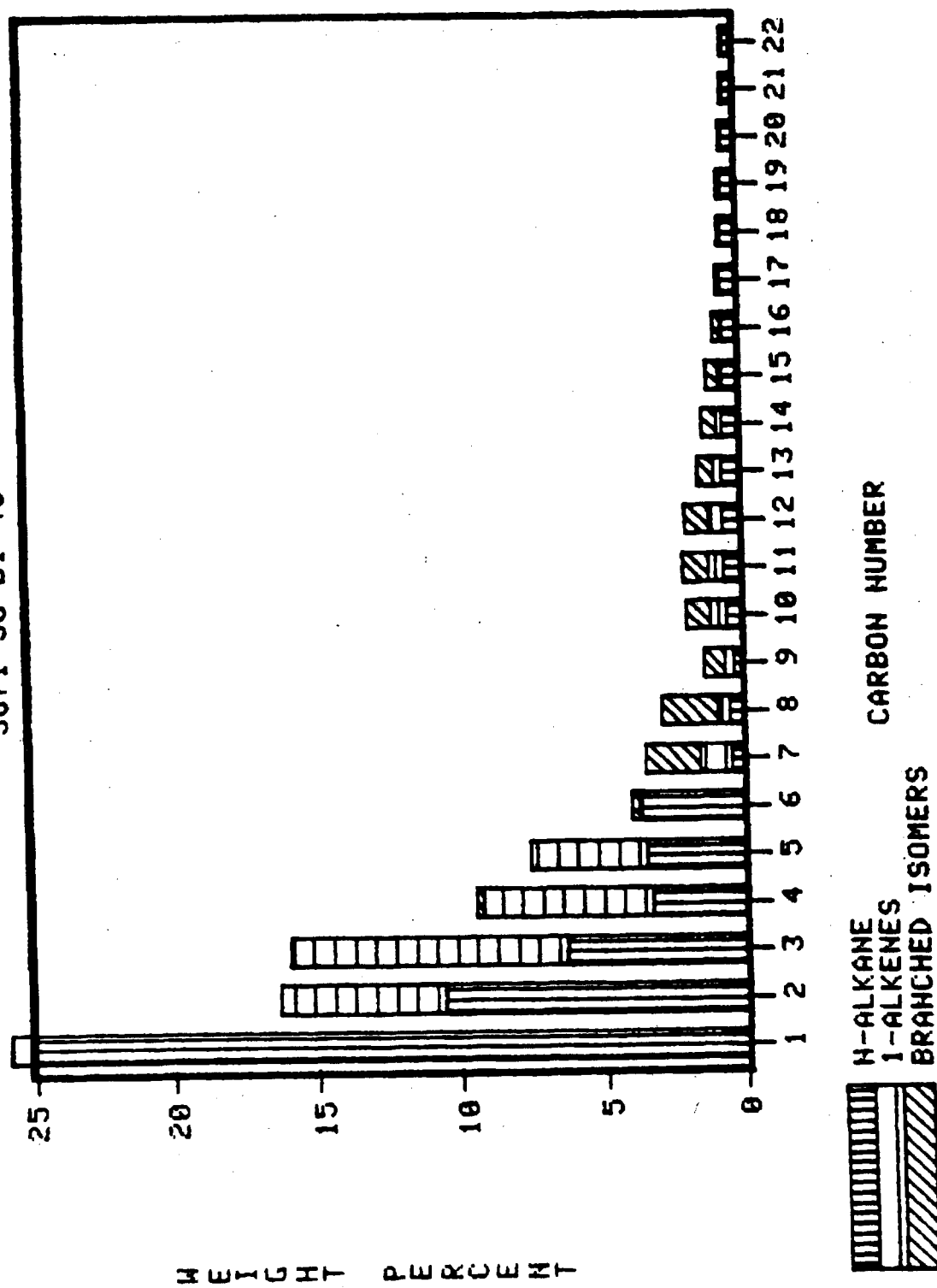


FIGURE 4  
HYDROCARBON SCHULZ-FLORY DISTRIBUTION  
5871-38-B1-40

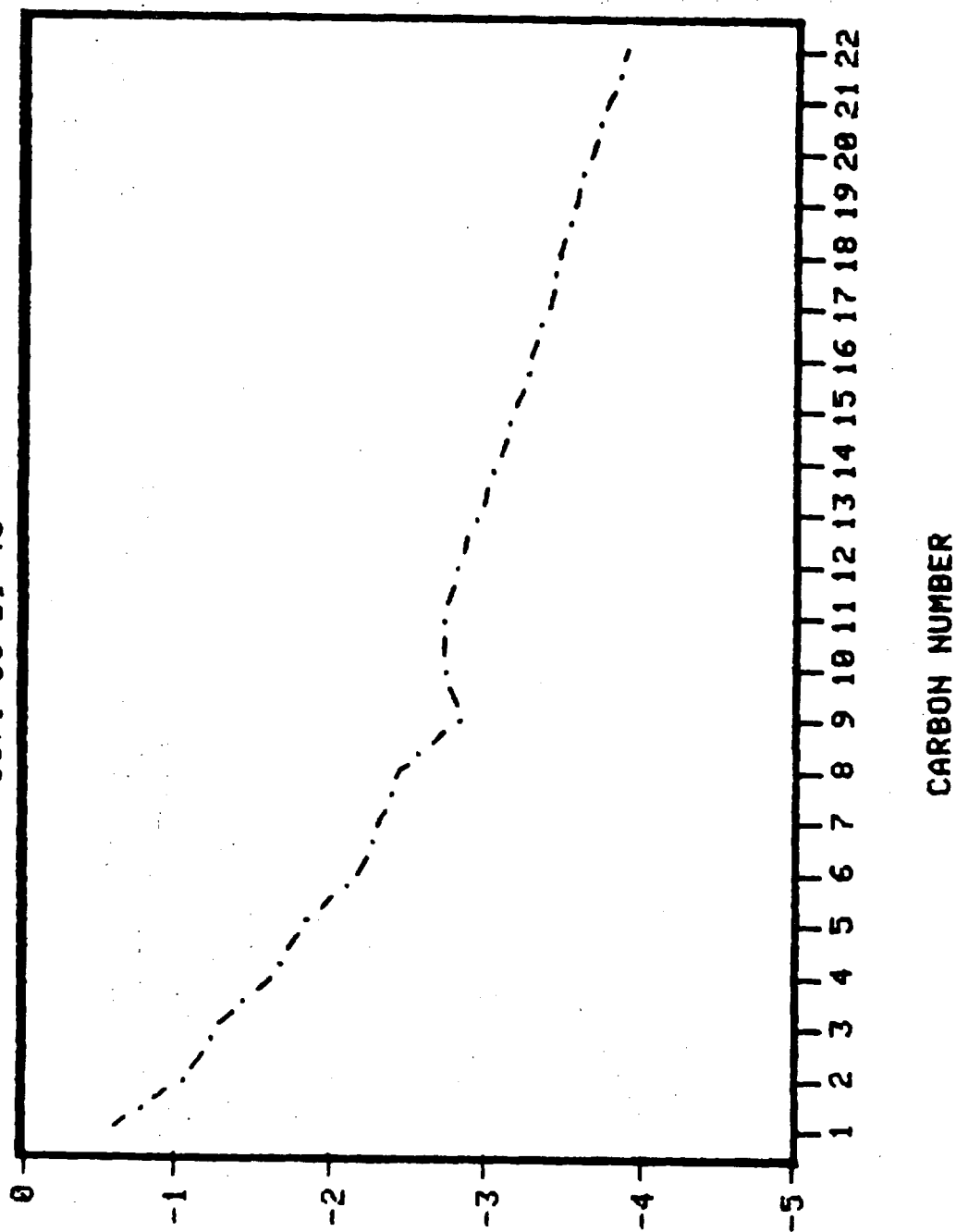


FIGURE 5  
HYDROCARBON WEIGHT DISTRIBUTION  
5871-38-B1-60

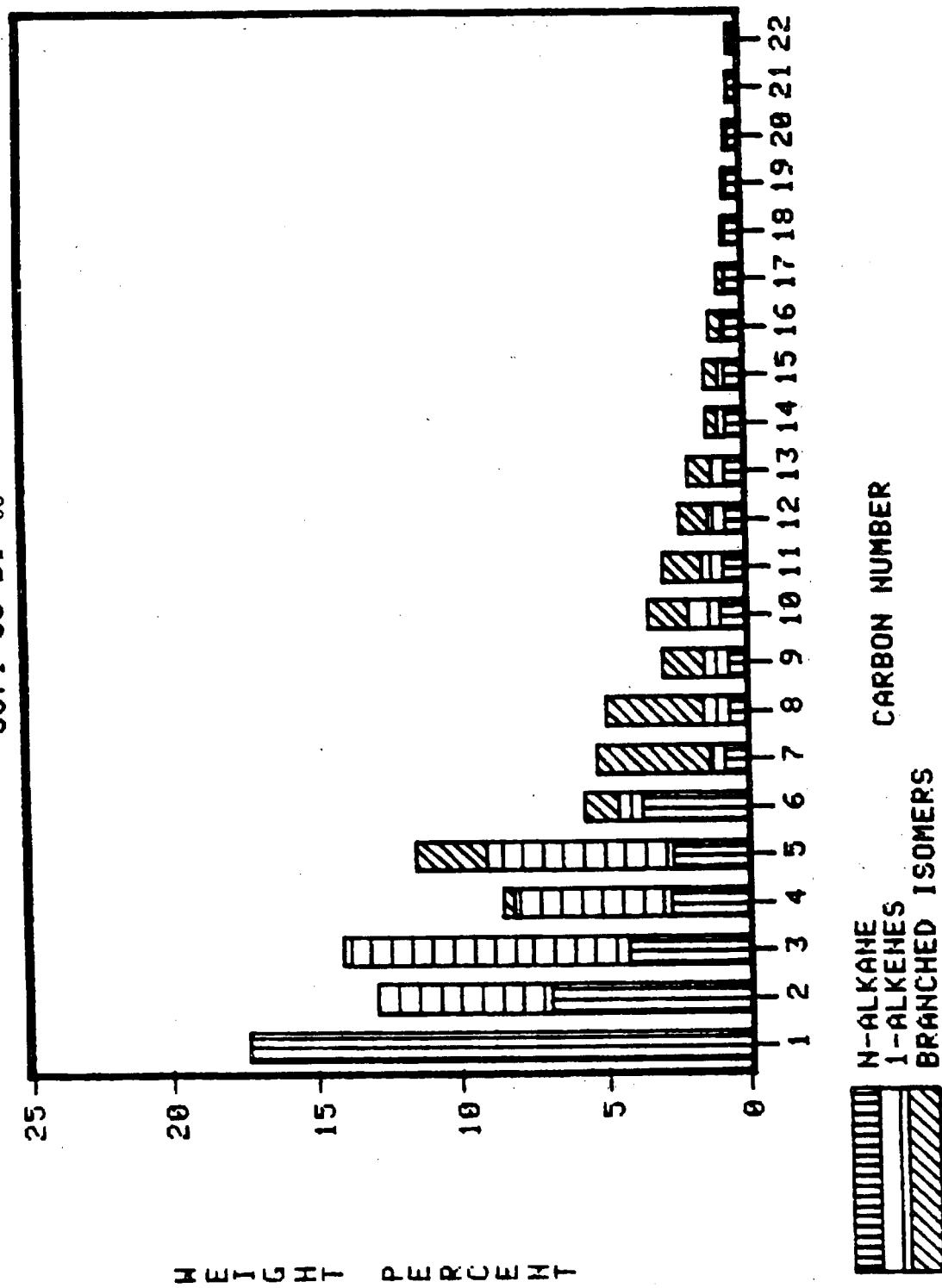


FIGURE 6

HYDROCARBON SCHULZ-FLORY DISTRIBUTION

5871-38-B1-60

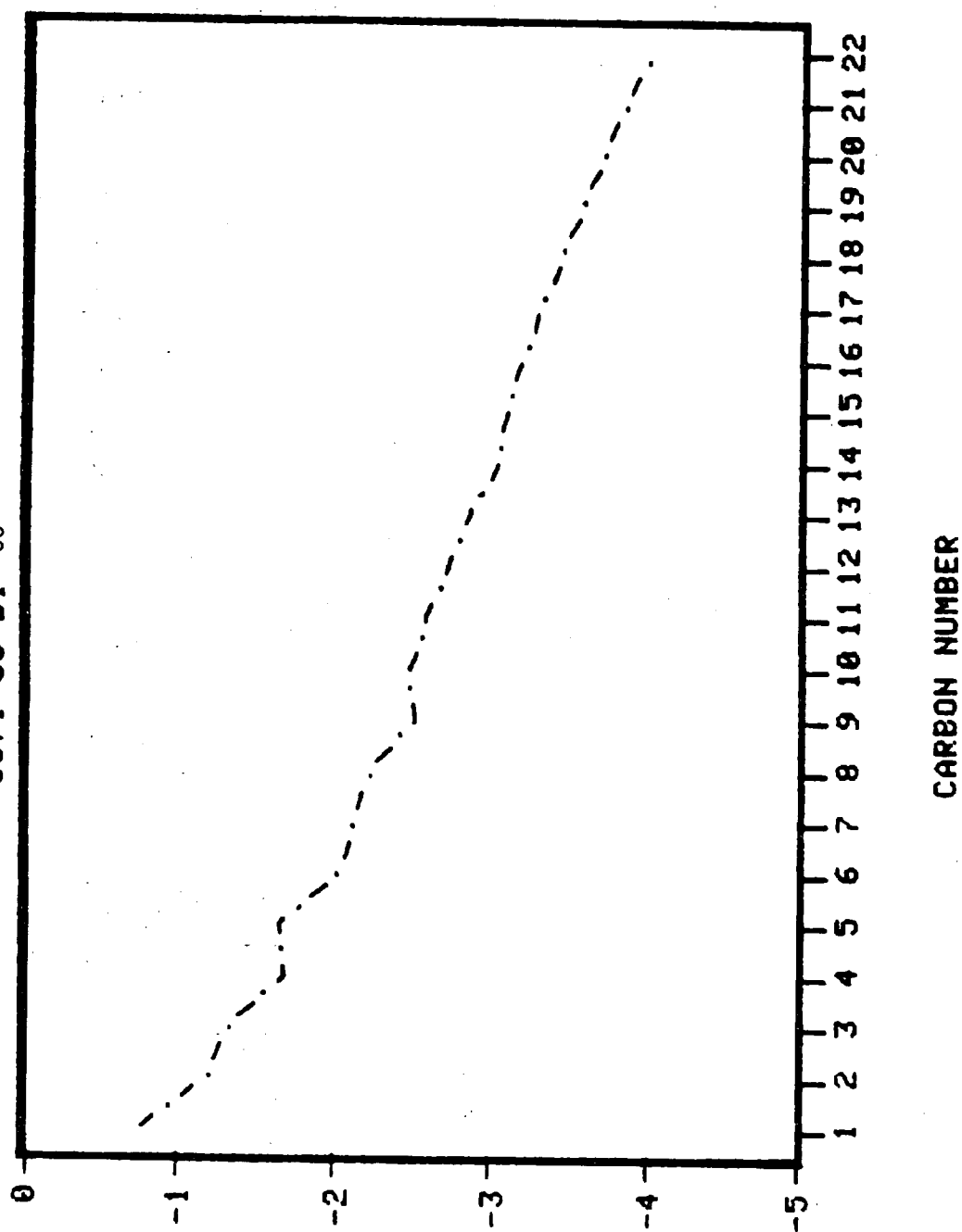


FIGURE 7  
HYDROCARBON WEIGHT DISTRIBUTION  
5871-38-B1-79

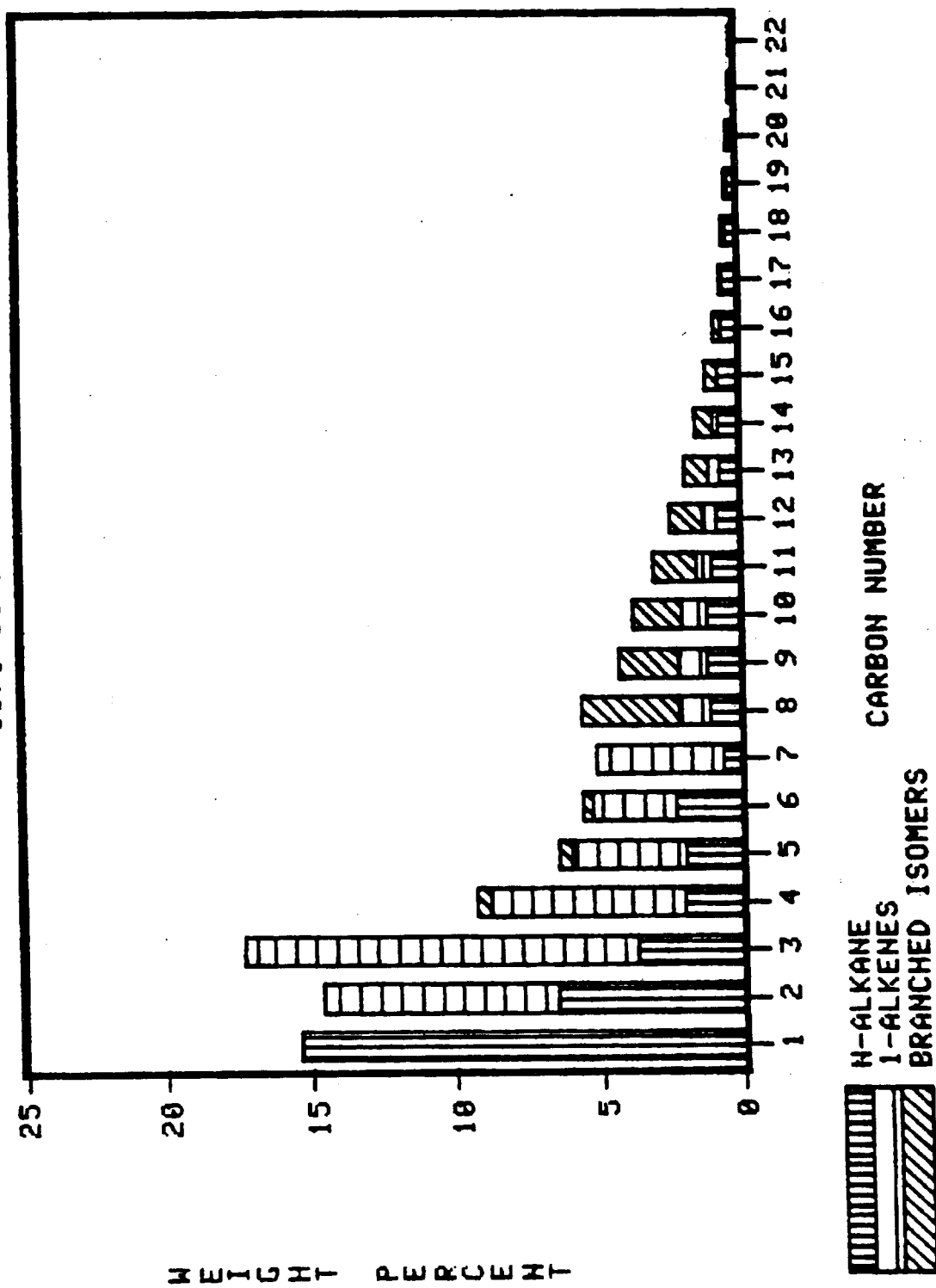




FIGURE 8

HYDROCARBON SCHULZ-FLORY DISTRIBUTION

5871-38-B1-79

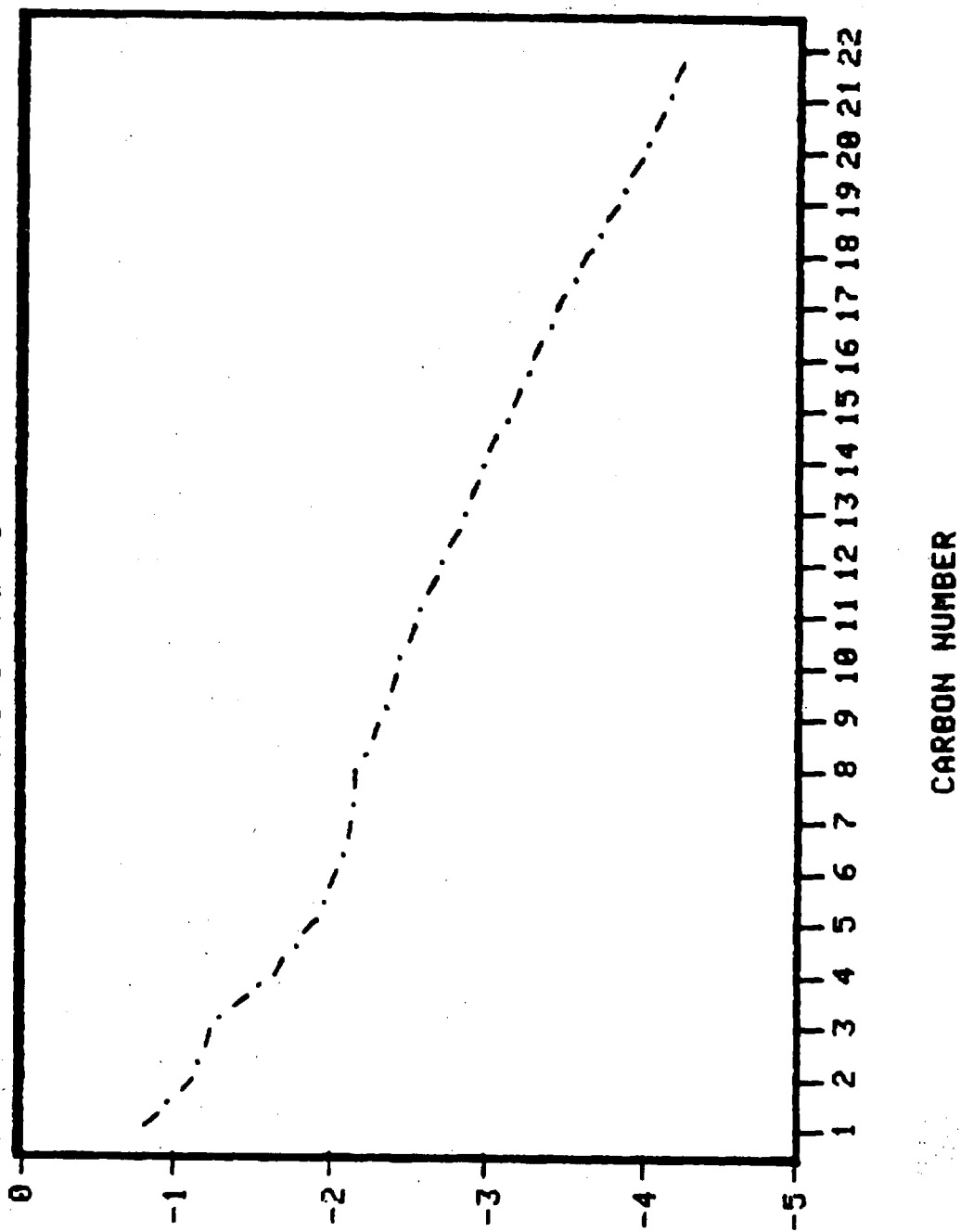


FIGURE 9  
HYDROCARBON WEIGHT DISTRIBUTION  
5871-38-81-88

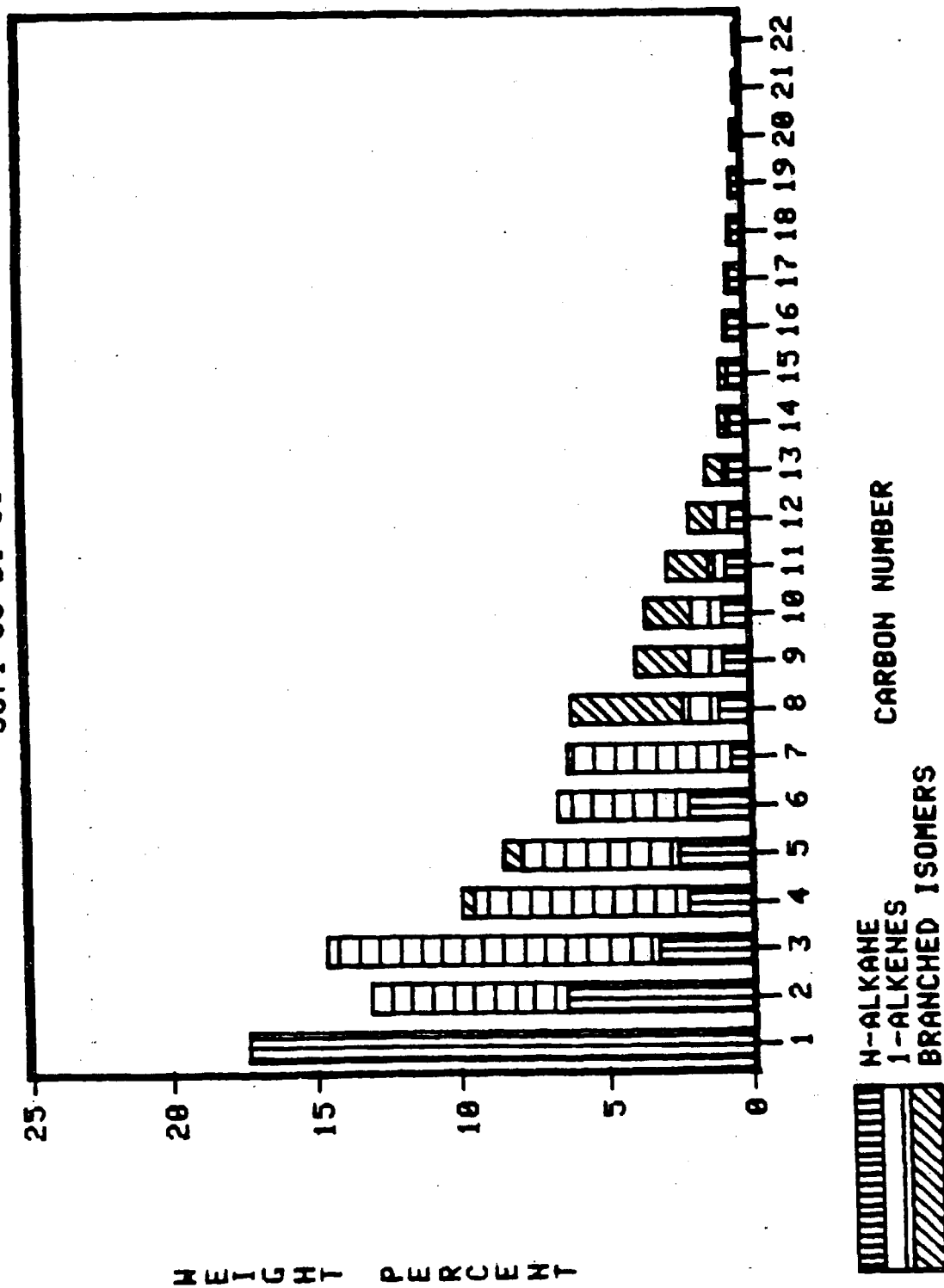


FIGURE 10

HYDROCARBON SCHULZ-FLORY DISTRIBUTION

5871-38-B1-88

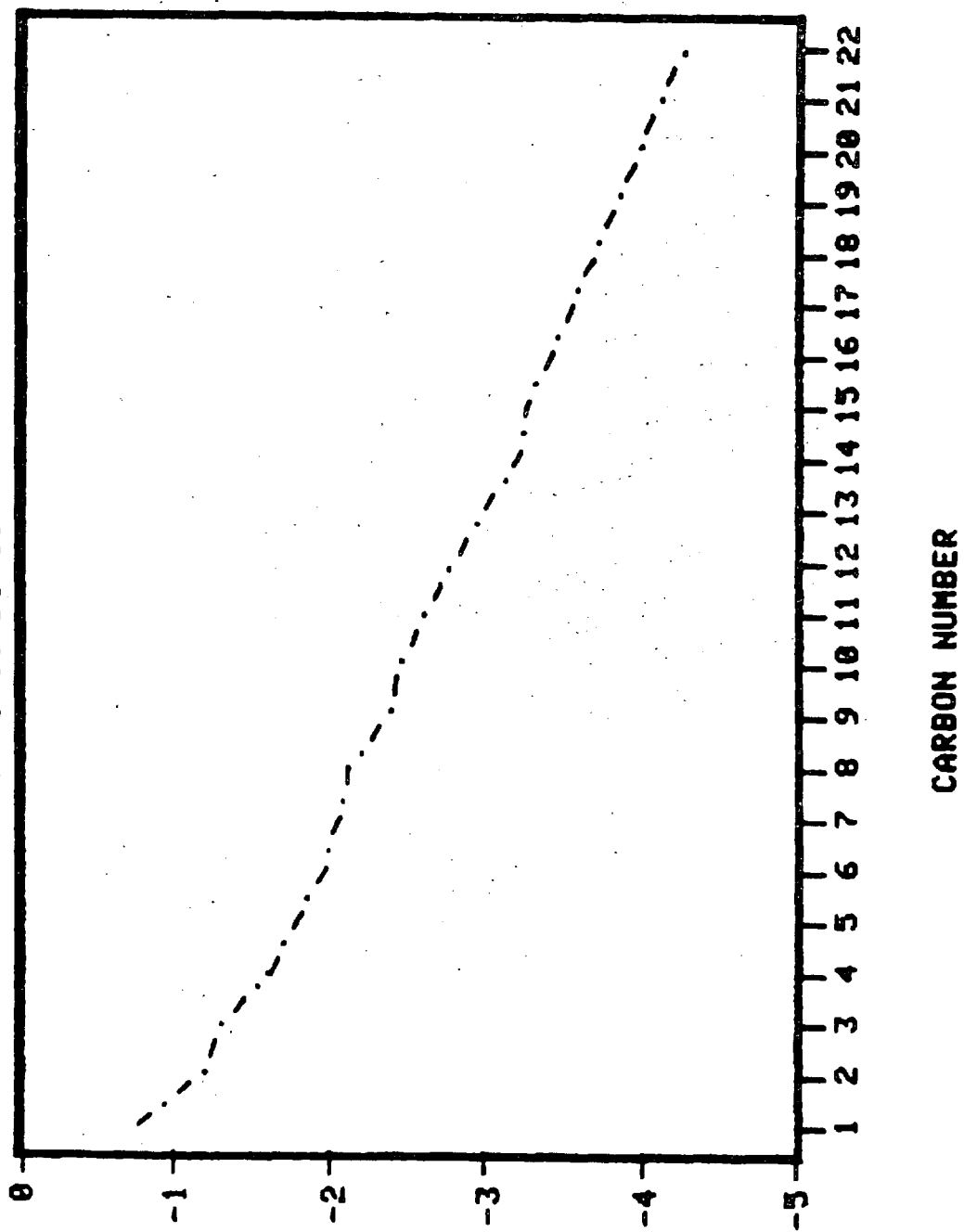


FIGURE 11

# HYDROCARBON WEIGHT DISTRIBUTION

5871-38-B1-112

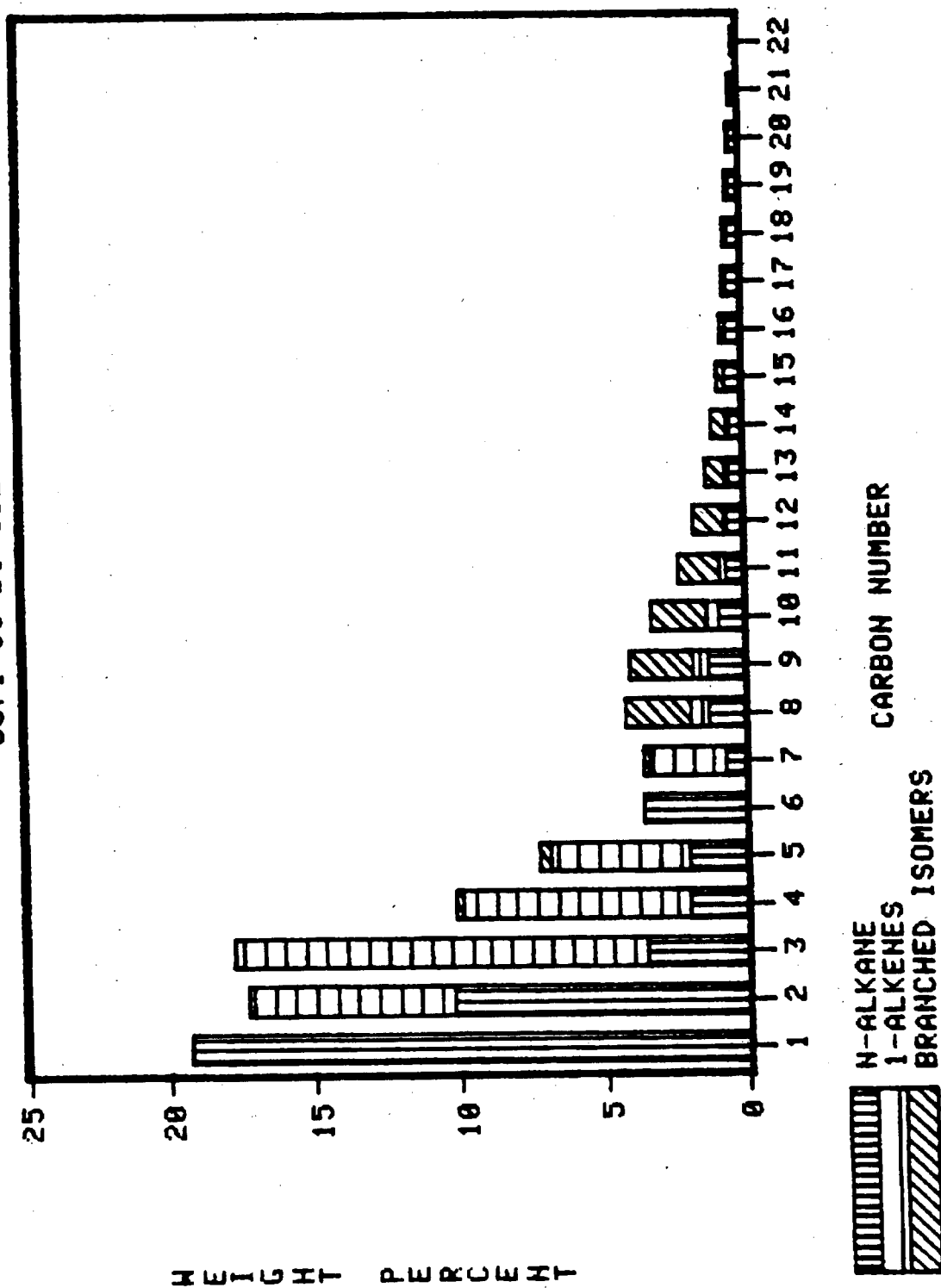


FIGURE 12

HYDROCARBON SCHULZ-FLORY DISTRIBUTION

5871-38-B1-112

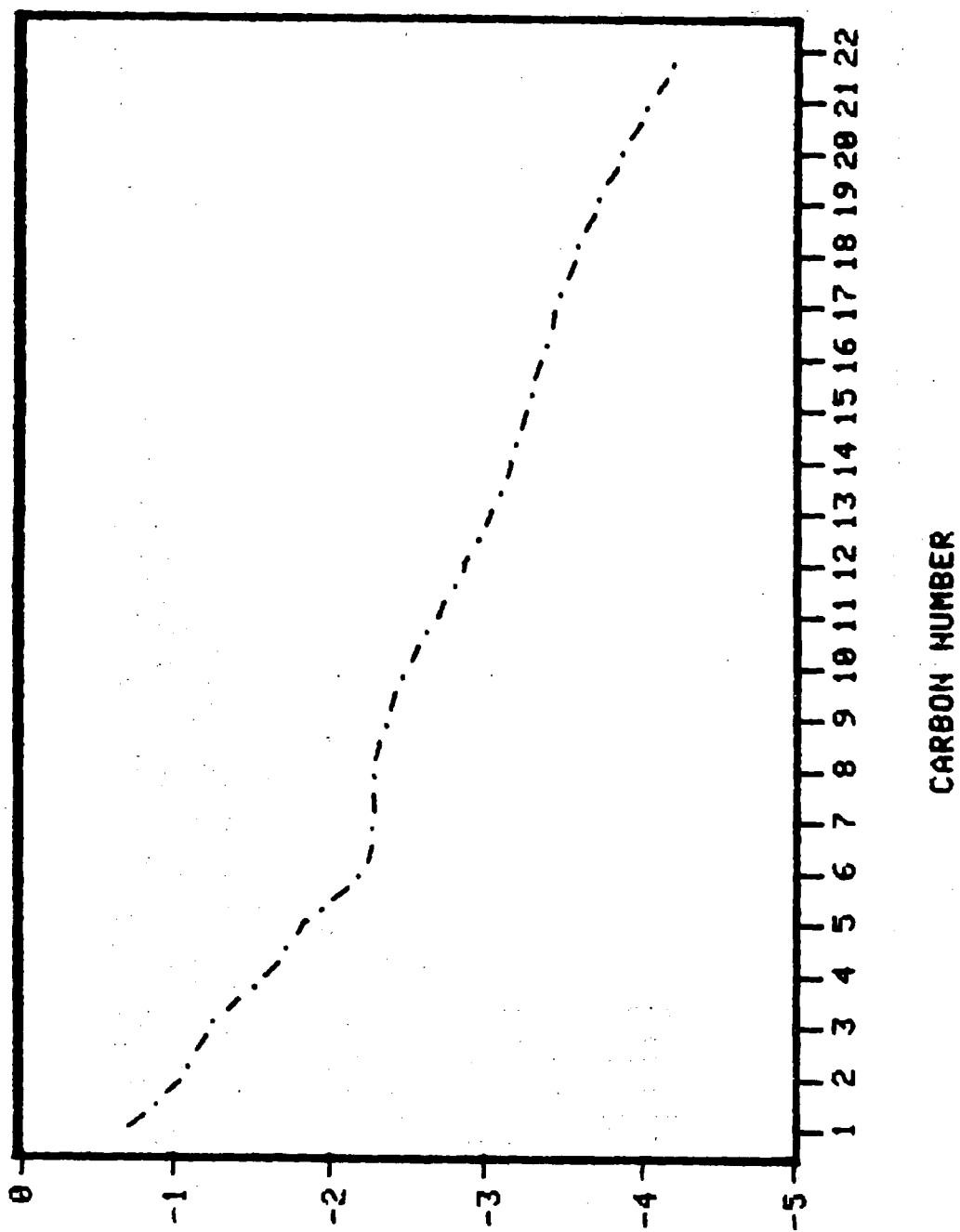


FIGURE 13

# HYDROCARBON WEIGHT DISTRIBUTION

5871-38-01-121

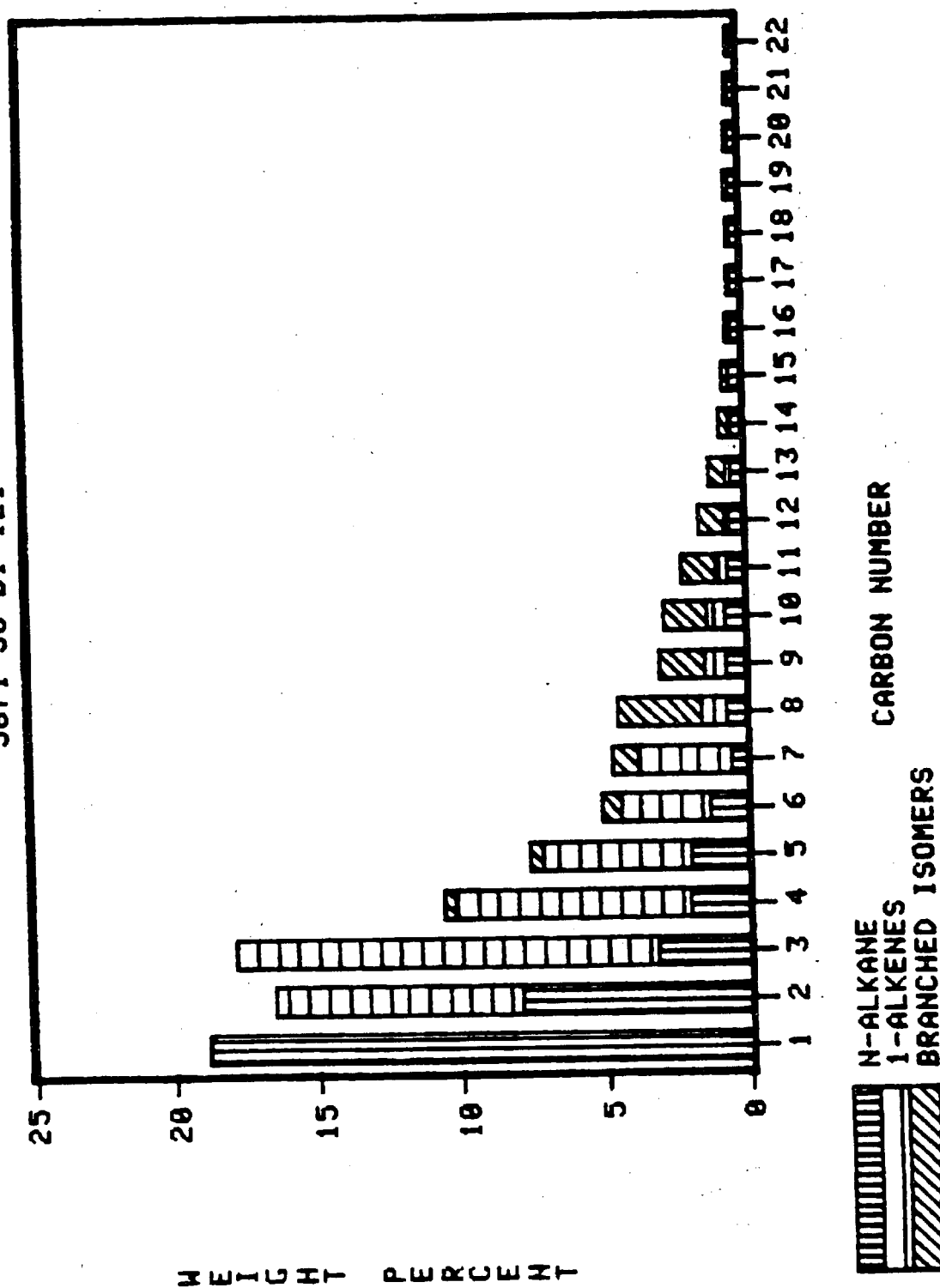


FIGURE 14

HYDROCARBON SCHULZ-FLORY DISTRIBUTION

5871-38-B1-121

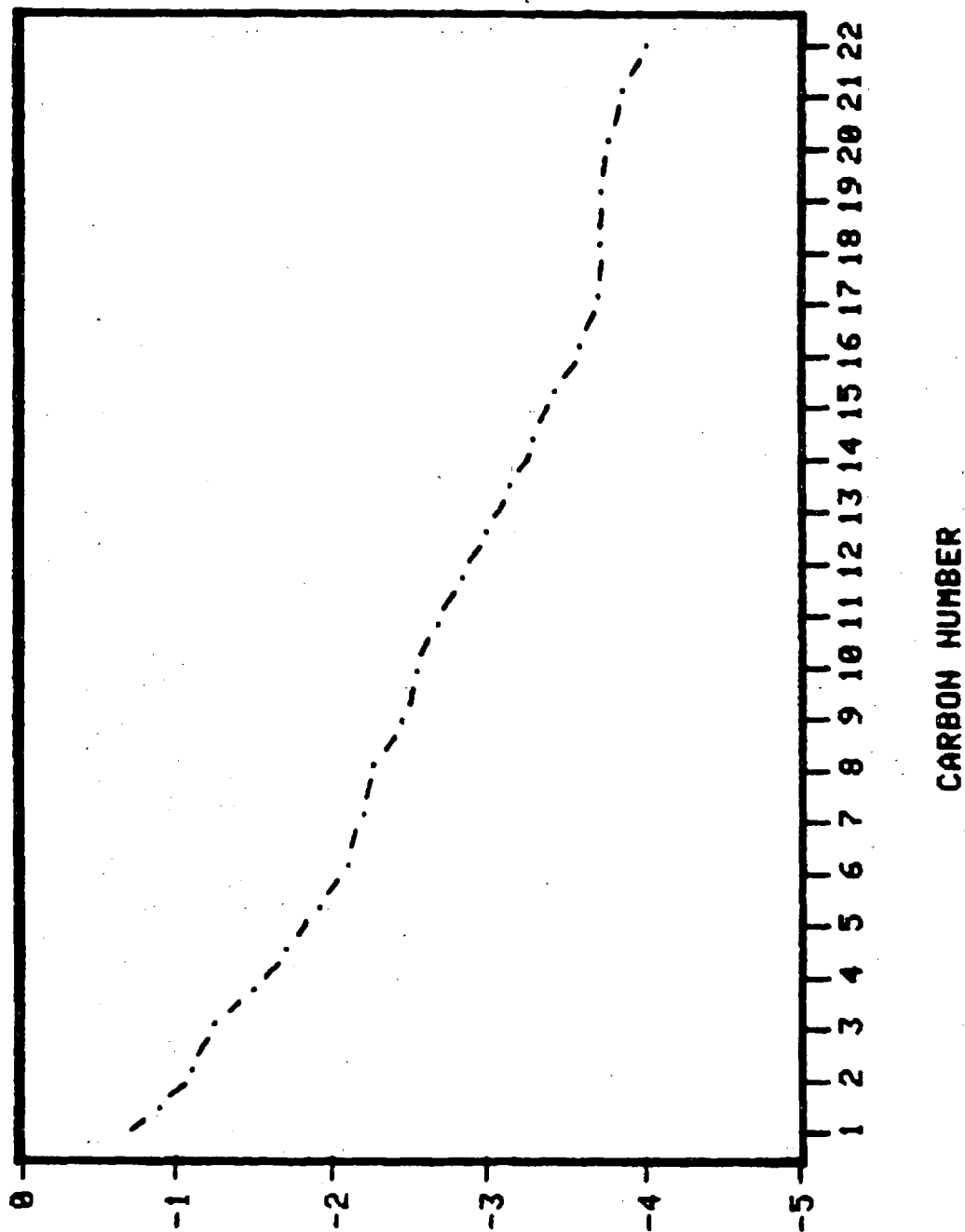


FIGURE 15

# 5 INCH COLD FLOW SIMULATOR ISOPARAFFIN, 90-106 $\mu$ M IRON OXIDE.N2

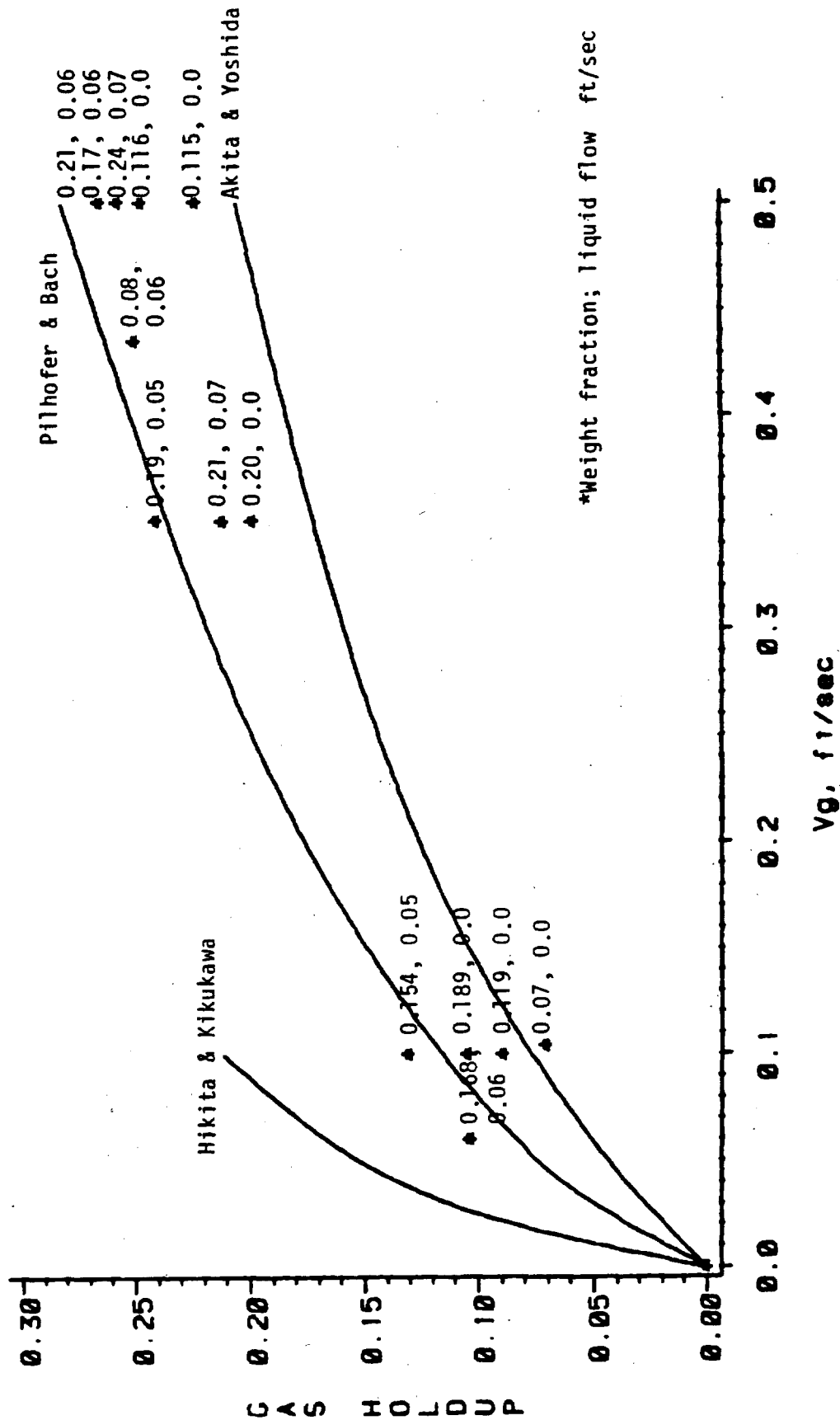




FIGURE 16

# 5 INCH COLD FLOW SIMULATOR ISOPARAFFIN. 46-53 $\mu$ M IRON OXIDE.N2

\*0.05, 0.06

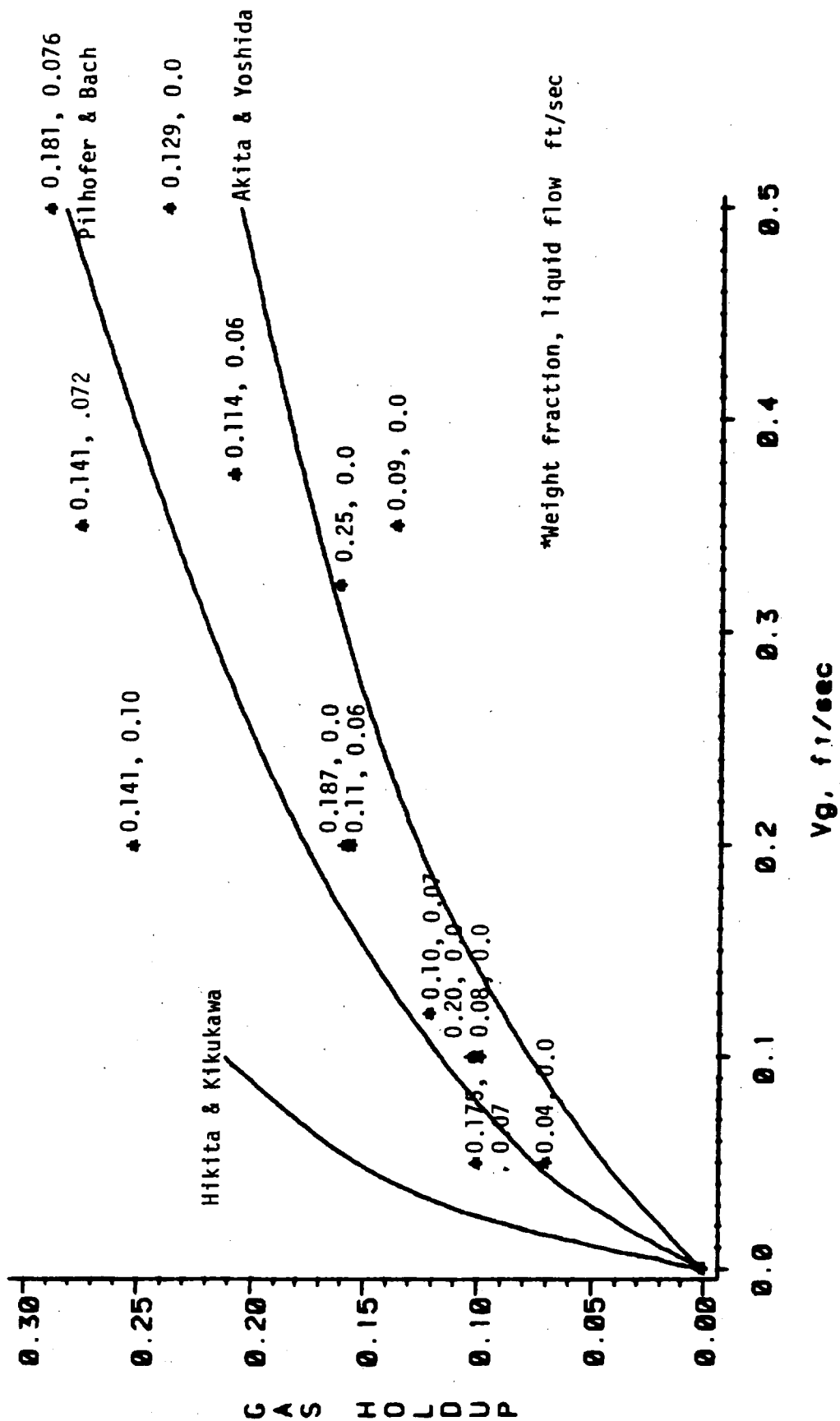


FIGURE 17

ERODED DISTRIBUTOR PLATE

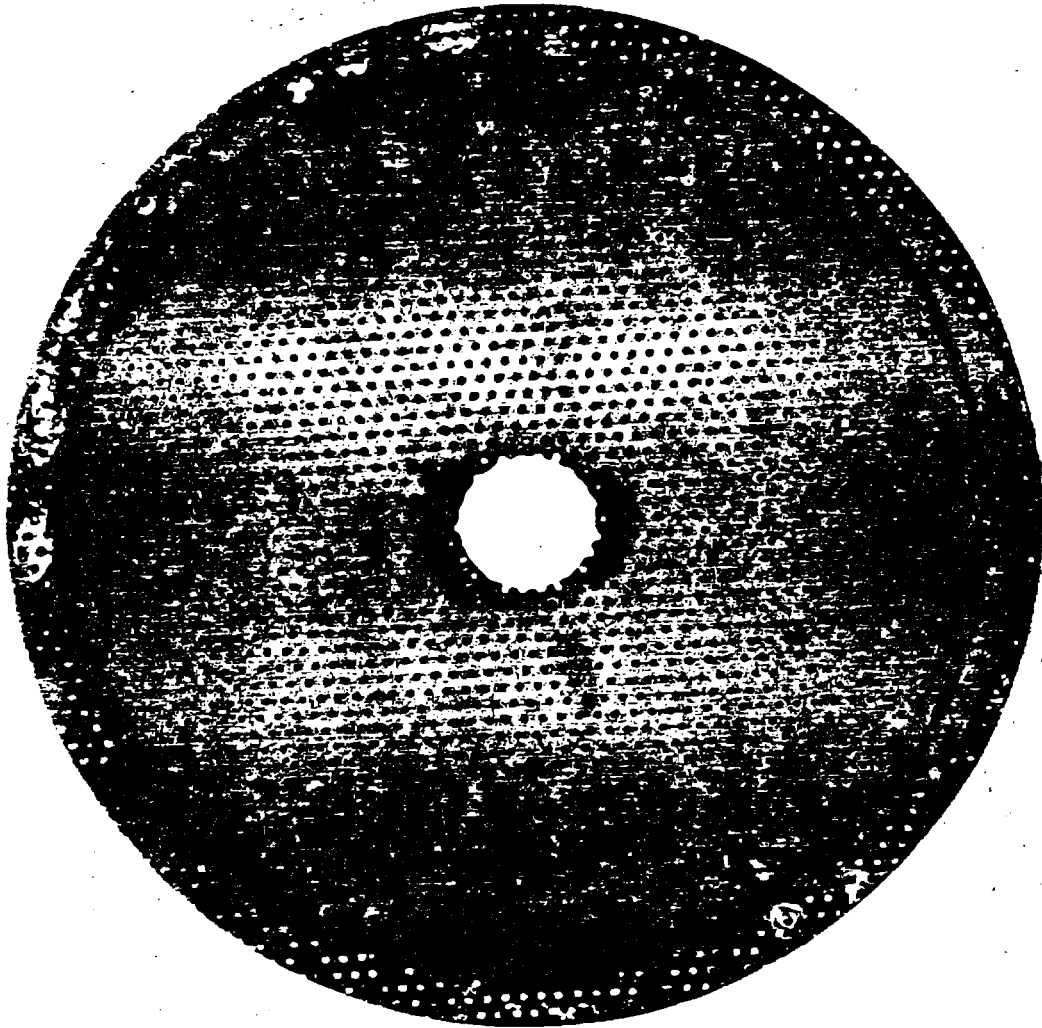


FIGURE 18

# 5 INCH COLD FLOW SIMULATOR

SOLID CONCENTRATION PROFILES  
ISOPARAFFIN, 90-108  $\mu$ M IRON OXIDE, N<sub>2</sub>  
LIQUID FLOW = 0.0 FT/SEC

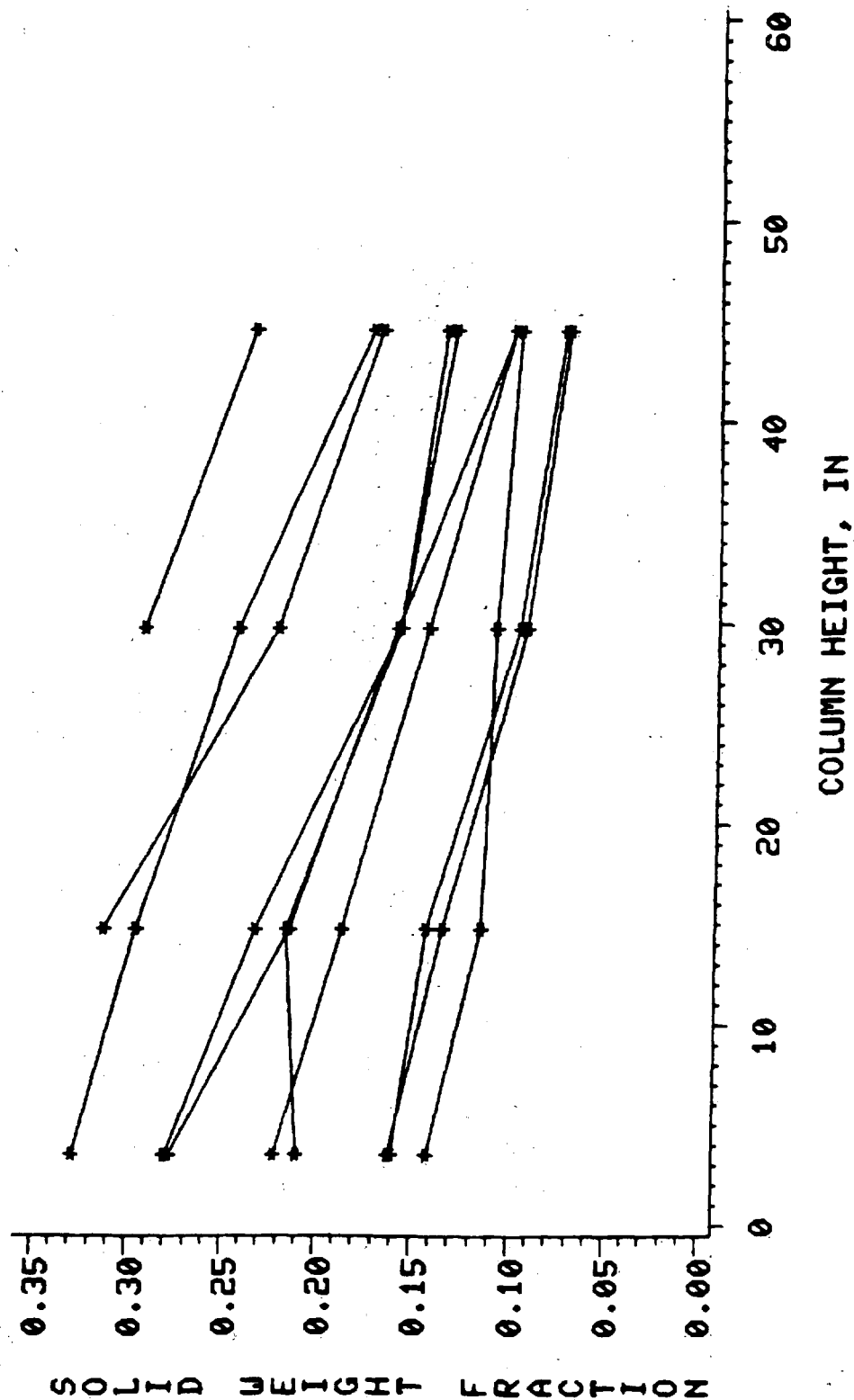


FIGURE 19

# 5 INCH COLD FLOW SIMULATOR

SOLID CONCENTRATION PROFILES  
ISOPARAFFIN, 90-108  $\mu$ M IRON OXIDE, N<sub>2</sub>  
LIQUID FLOW > 0.0 FT/SEC

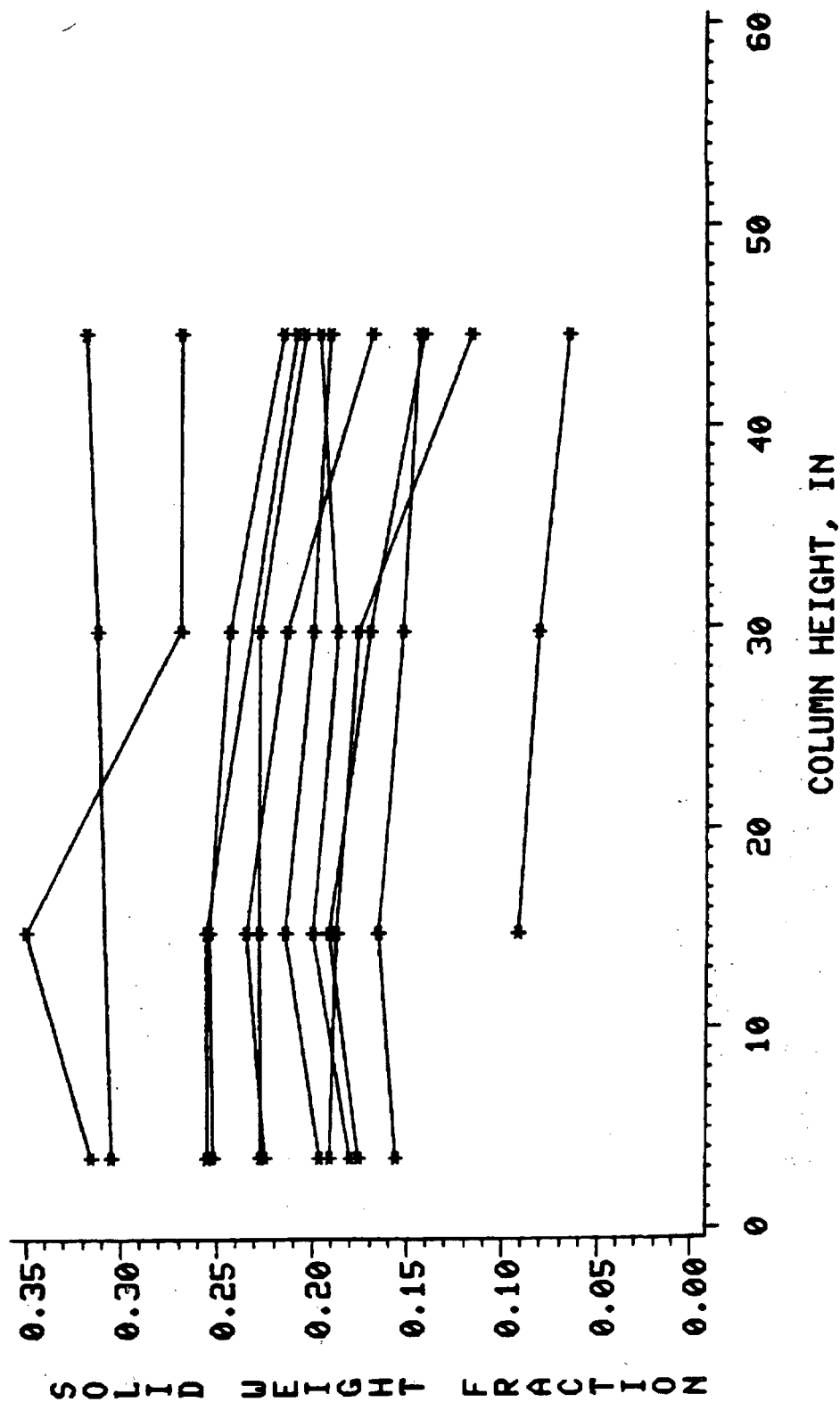


FIGURE 20

# 5 INCH COLD FLOW SIMULATOR

SOLID CONCENTRATION PROFILES

ISOPARAFFIN, 45-53  $\mu$  M IRON OXIDE, N<sub>2</sub>

LIQUID FLOW = 0.0 FT/SEC

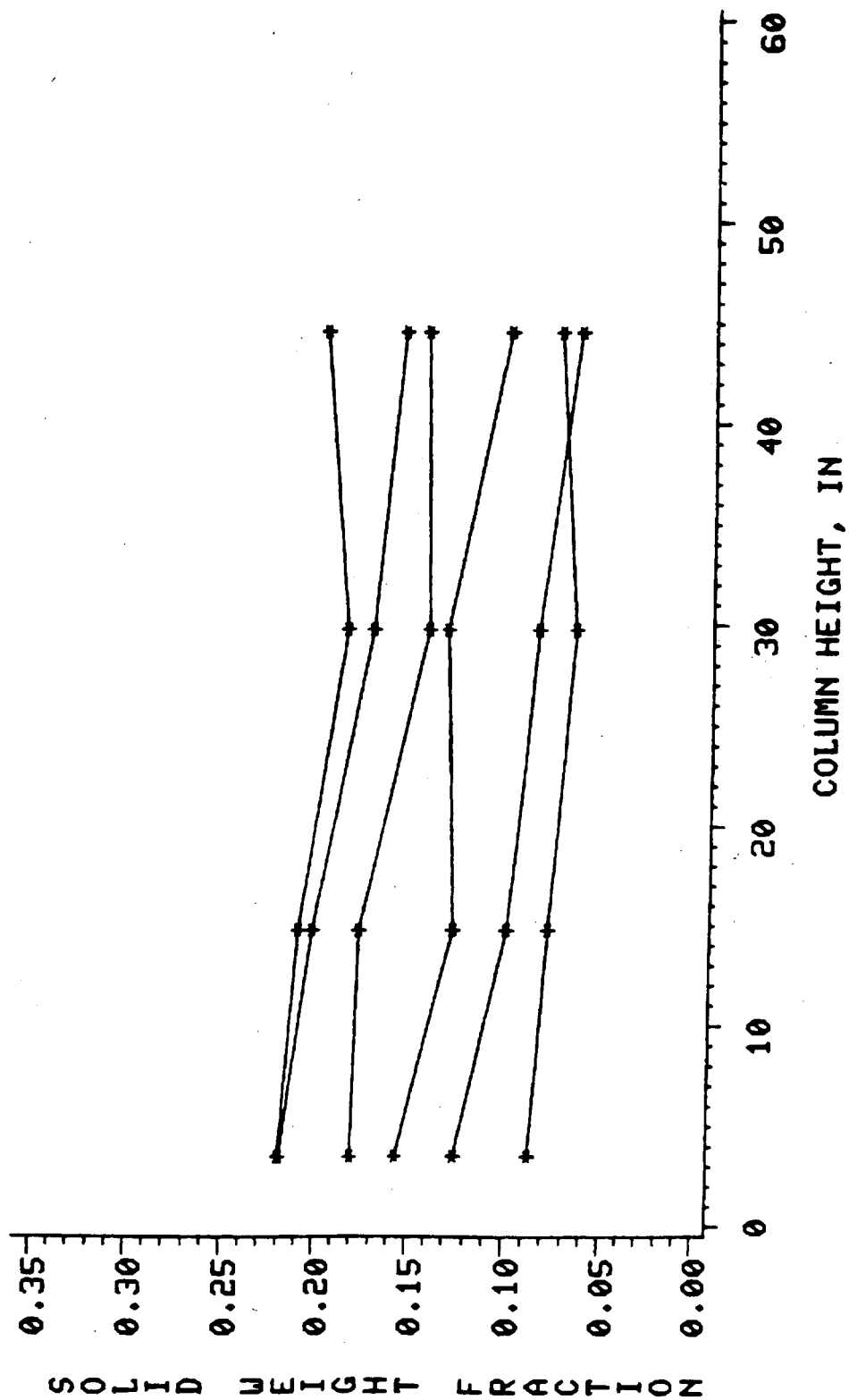


FIGURE 21

# 5 INCH COLD FLOW SIMULATOR

SOLID CONCENTRATION PROFILES

ISOPARAFFIN, 45-53  $\mu$ M IRON OXIDE, N<sub>2</sub>

LIQUID FLOW > 0.0 FT/SEC

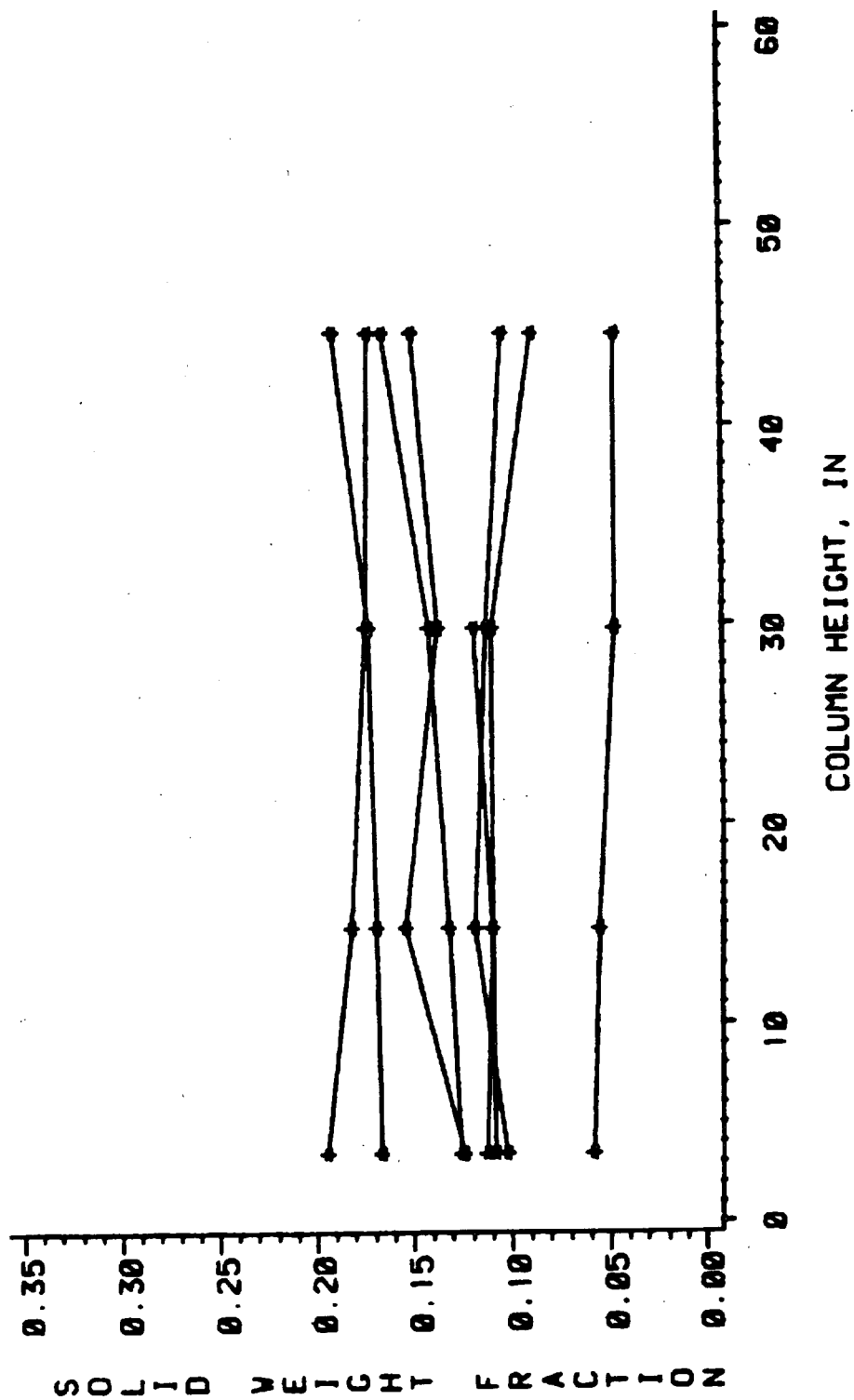
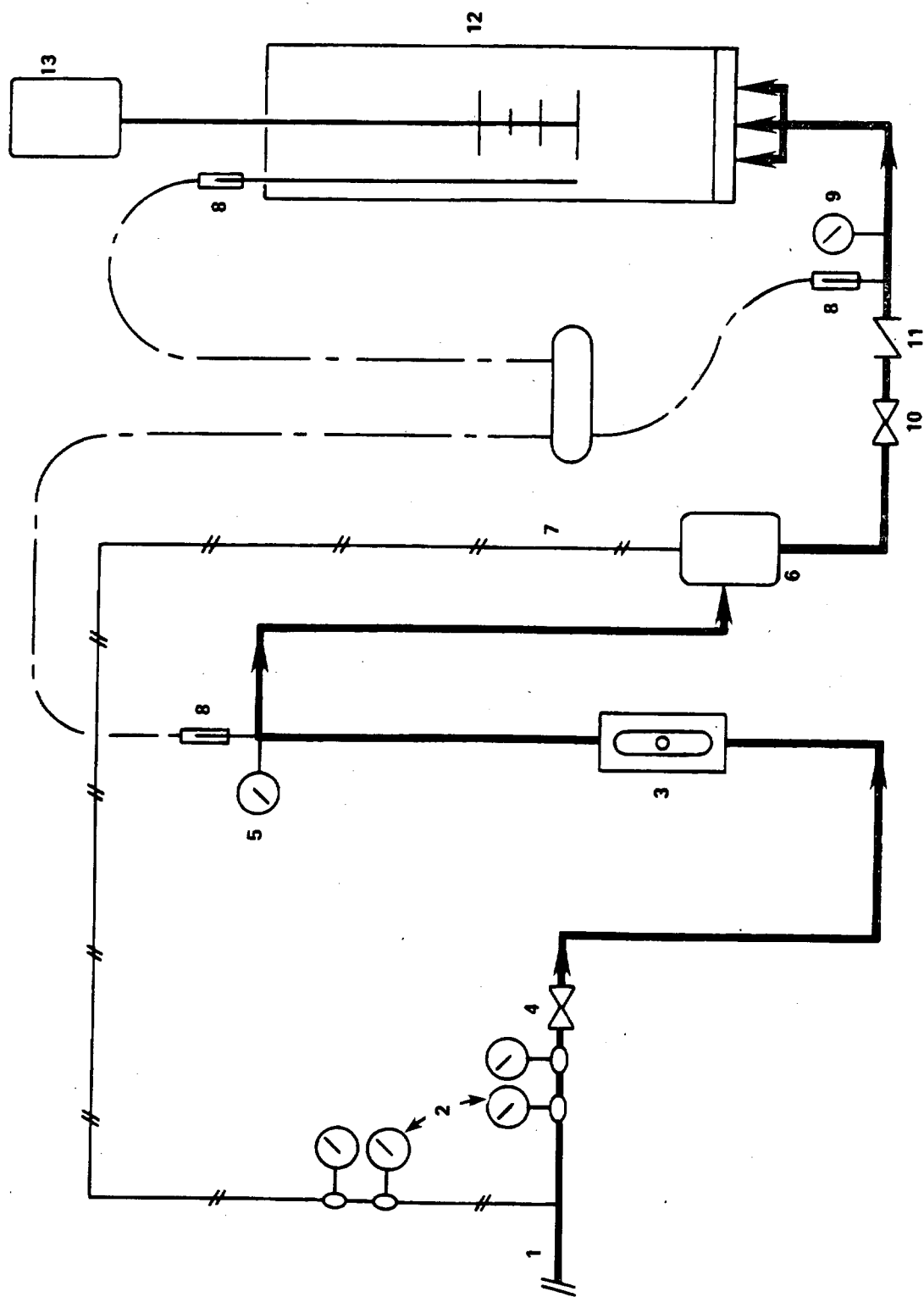


FIGURE 22  
THREE PHASE VISCOSITY APPARATUS



- |                   |                          |                        |
|-------------------|--------------------------|------------------------|
| 1. HOUSE NITROGEN | 8. THERMOCOUPLES         | 11. CHECK VALVE        |
| 2. REGULATORS     | 9. BARTON PRESSURE GAUGE | 12. PLEXIGLASS COLUMN  |
| 3. ROTOMETER      | 10. ON/OFF VALVE         | 13. SPINDLE VISCOMETER |
| 4. BALL VALVE     |                          |                        |