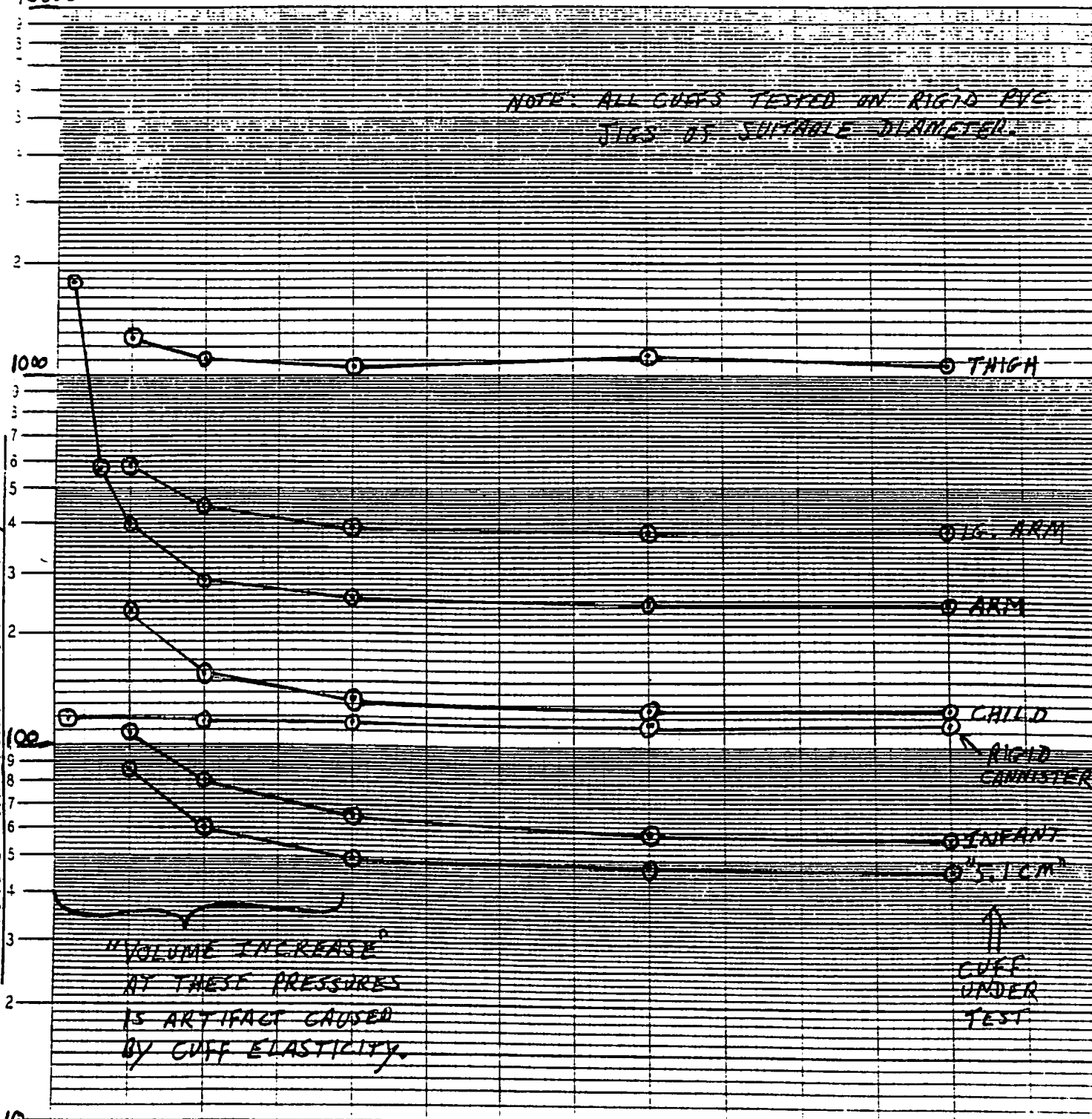


10000

NOTE: ALL CURVES TESTED ON RIGID PVC TUBES OF SUITABLE DIAMETER.

COMPUTED ABSOLUTE VOLUME, CC'S



"VOLUME INCREASE" AT THESE PRESSURES IS ARTIFACT CAUSED BY CUFF ELASTICITY.

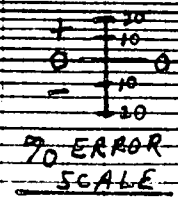
↑ CUFF UNDER TEST

Carolina Medical Electronics, Inc.

EFFECT OF CUFF PRESSURE ON ABSOLUTE VOLUME CALCULATION

VASCUMAP

J Campbell MD // 12 APR 91



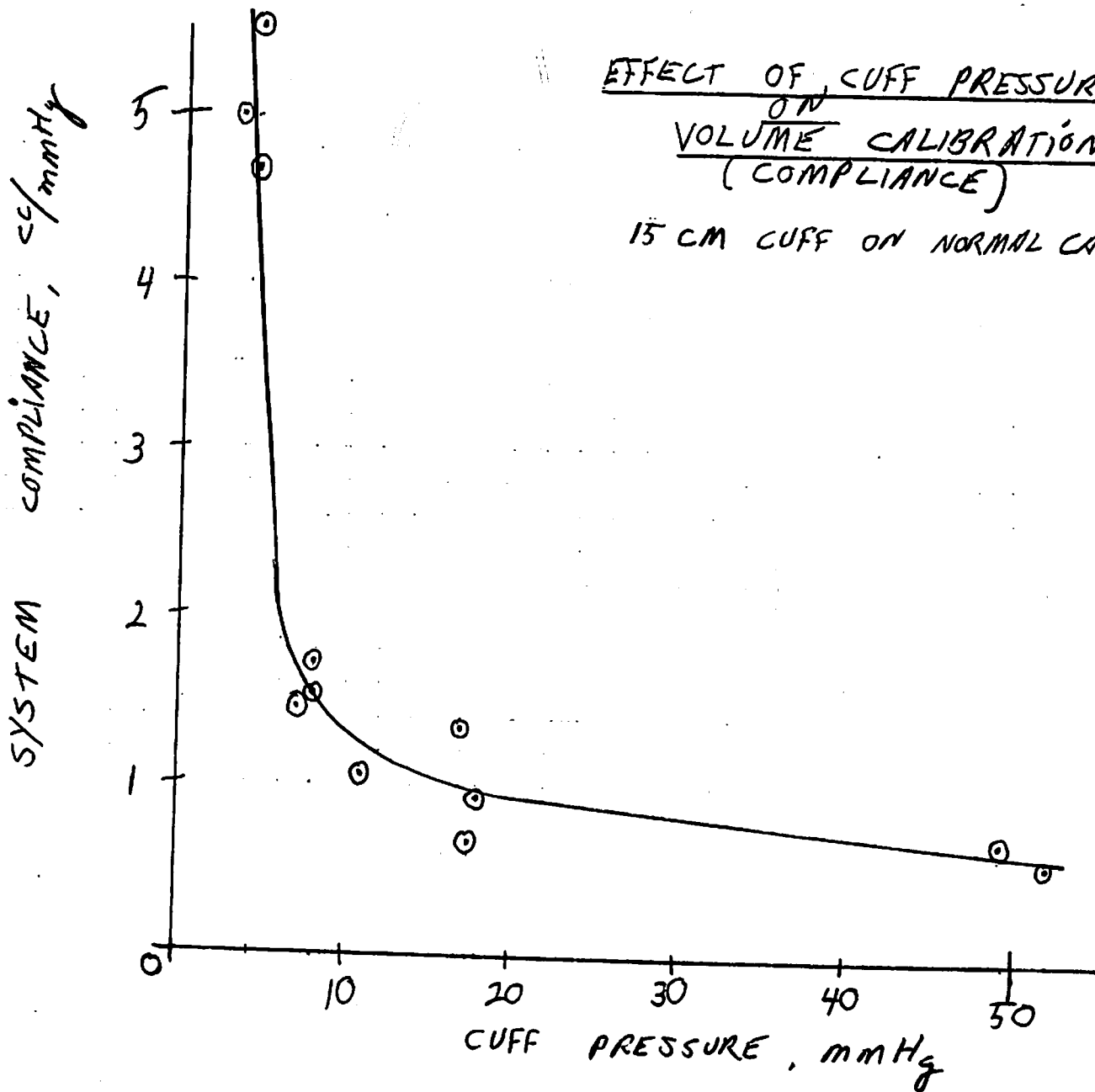
PRESSURE, MMHG

300

SEMI-LOGARITHMIC 4 2 1/2 CYCLES

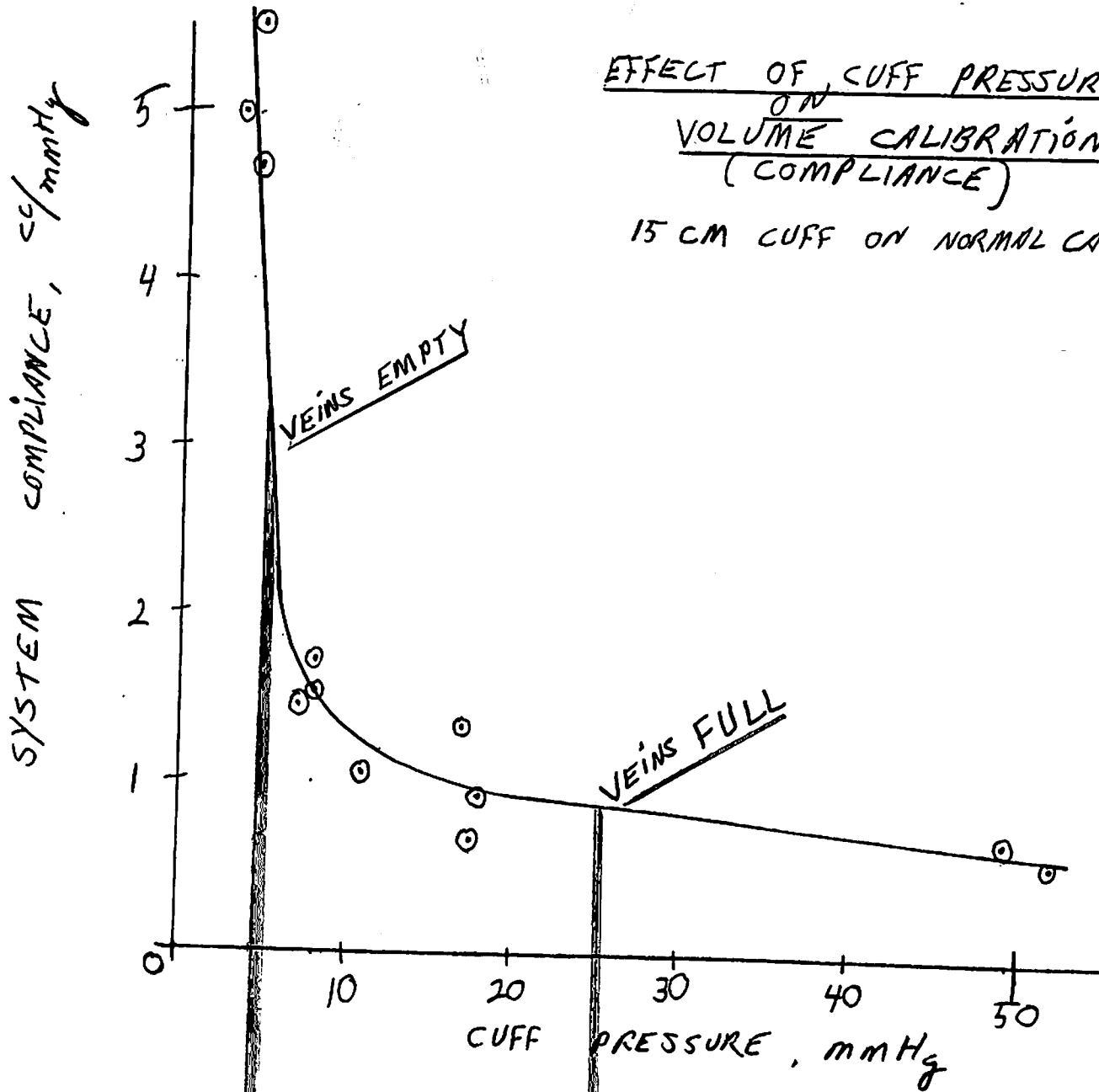
EFFECT OF CUFF PRESSURE
ON
VOLUME CALIBRATION
(COMPLIANCE)

15 CM CUFF ON NORMAL CALF



EFFECT OF CUFF PRESSURE
ON
VOLUME CALIBRATION
(COMPLIANCE)

15 CM CUFF ON NORMAL CALF



CONCLUSION

PERFORM VOLUME
CALIBRATION WITH
VEINS FULL FOR
CONSISTENT RESULTS.

AIR CUFF COMPLIANCE

VERSUS P_{cuff}

