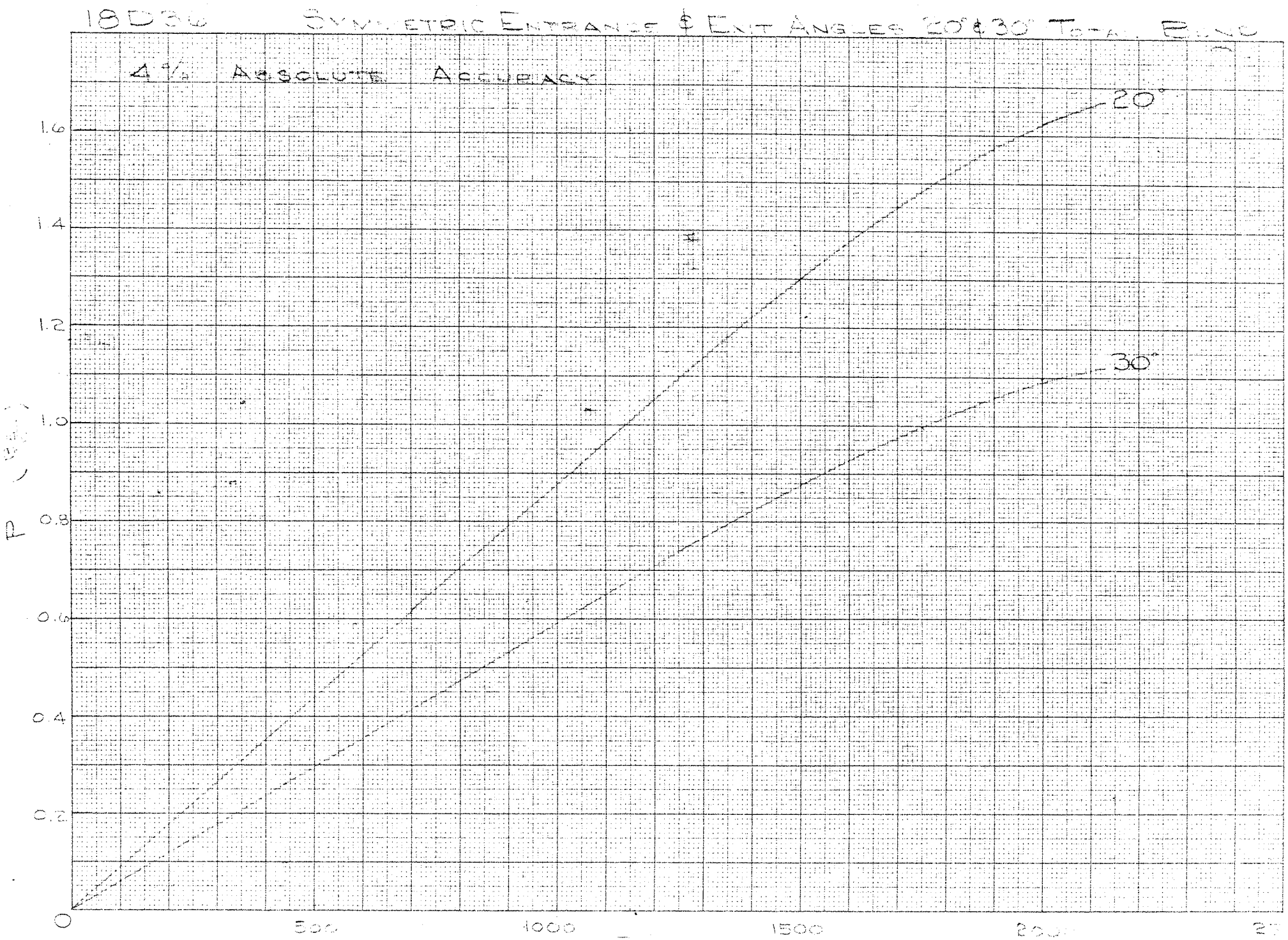
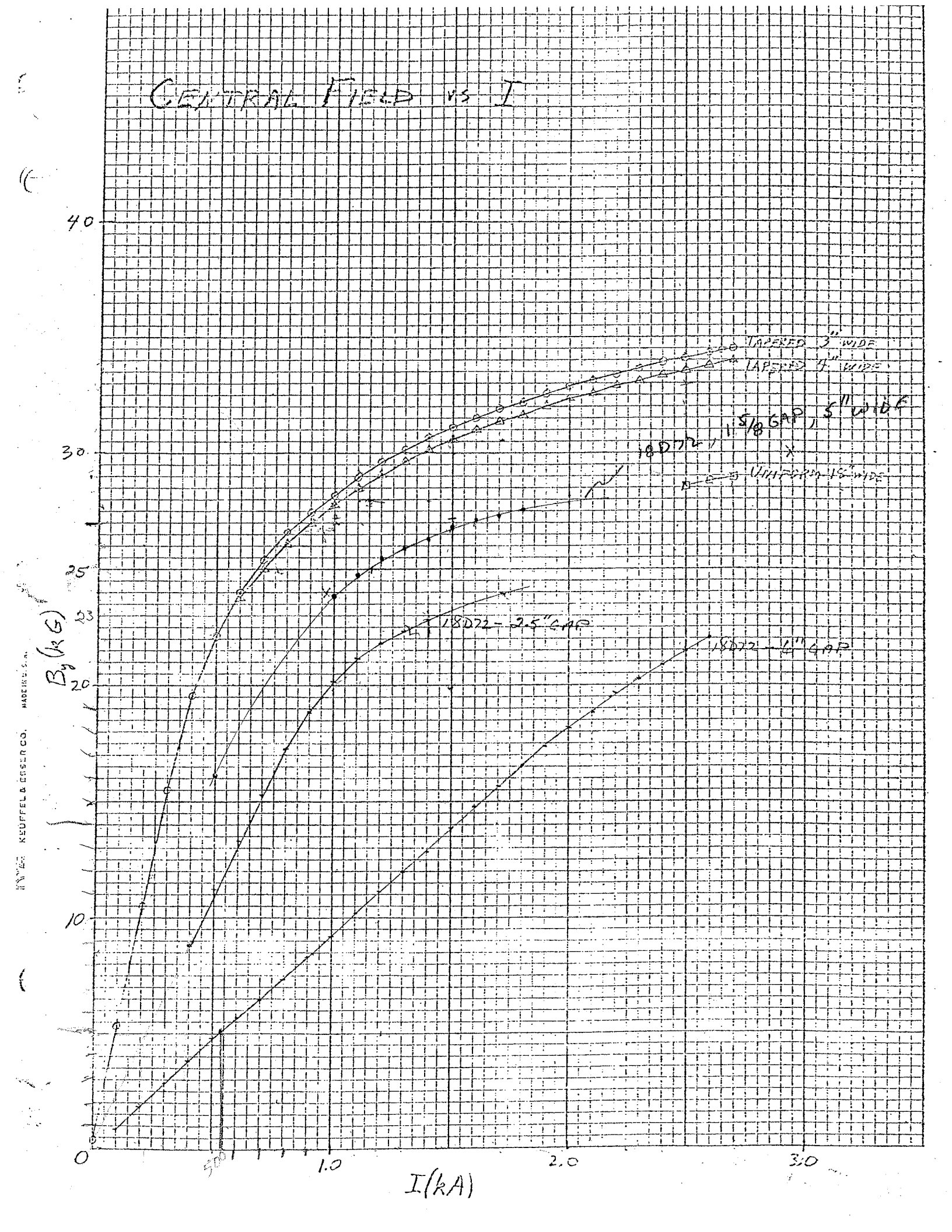
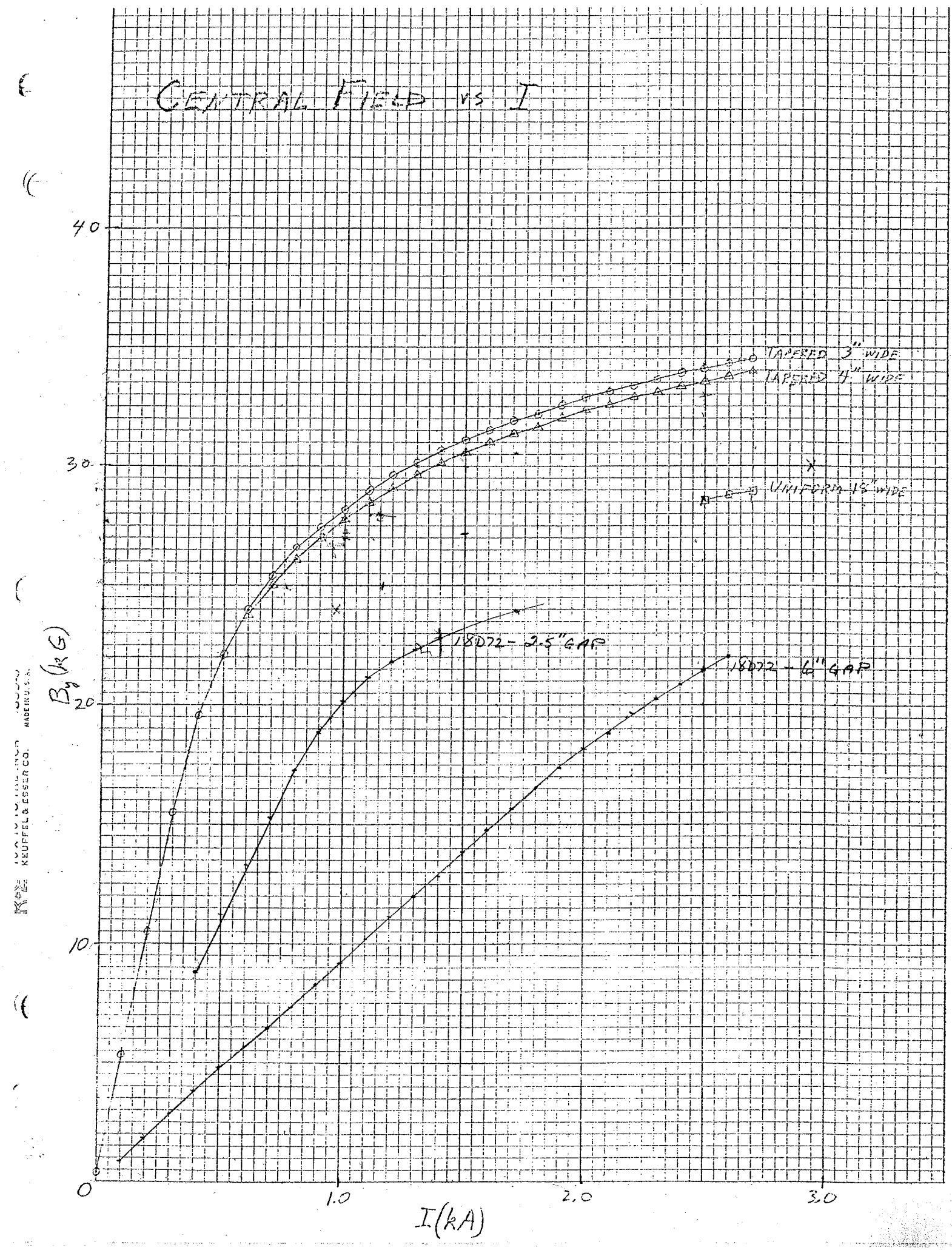
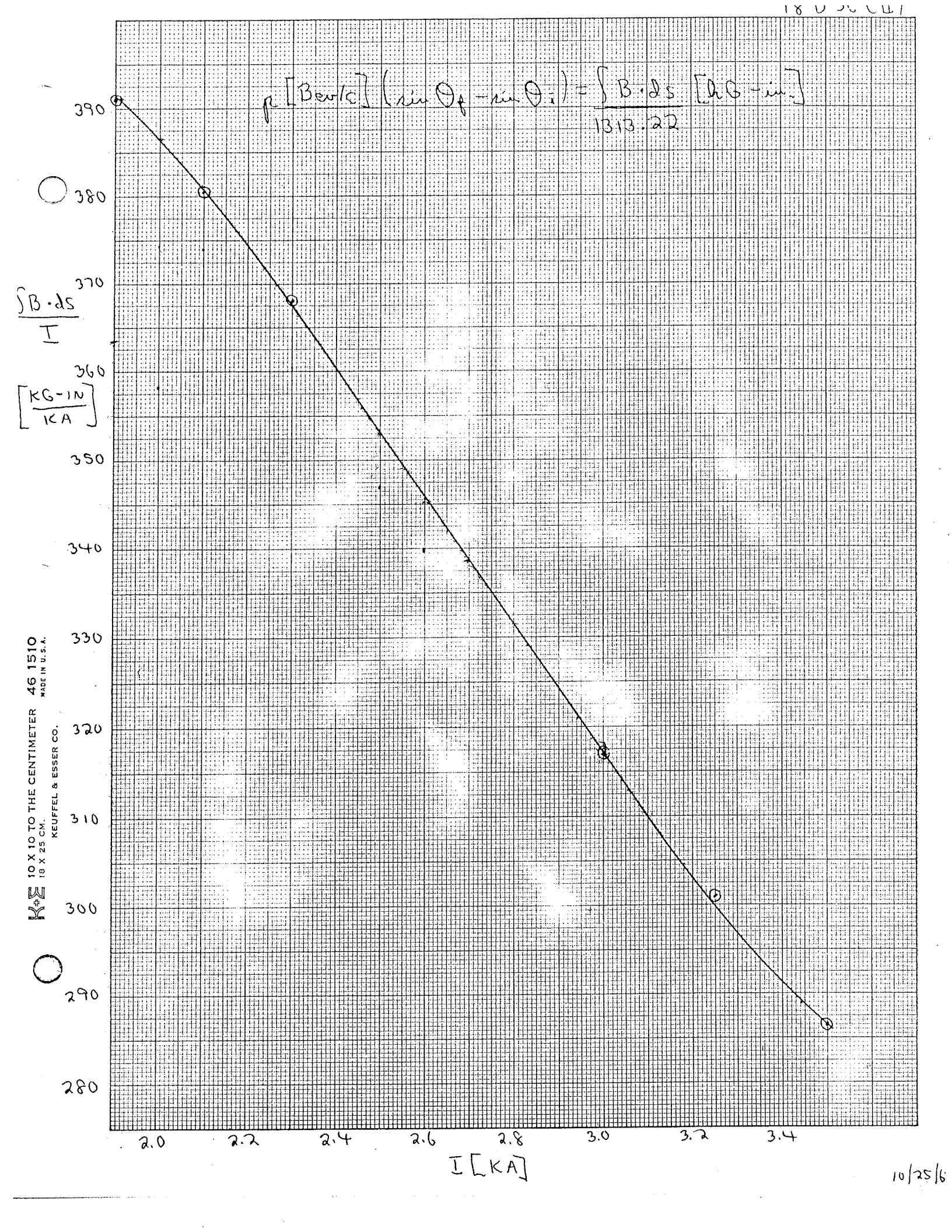
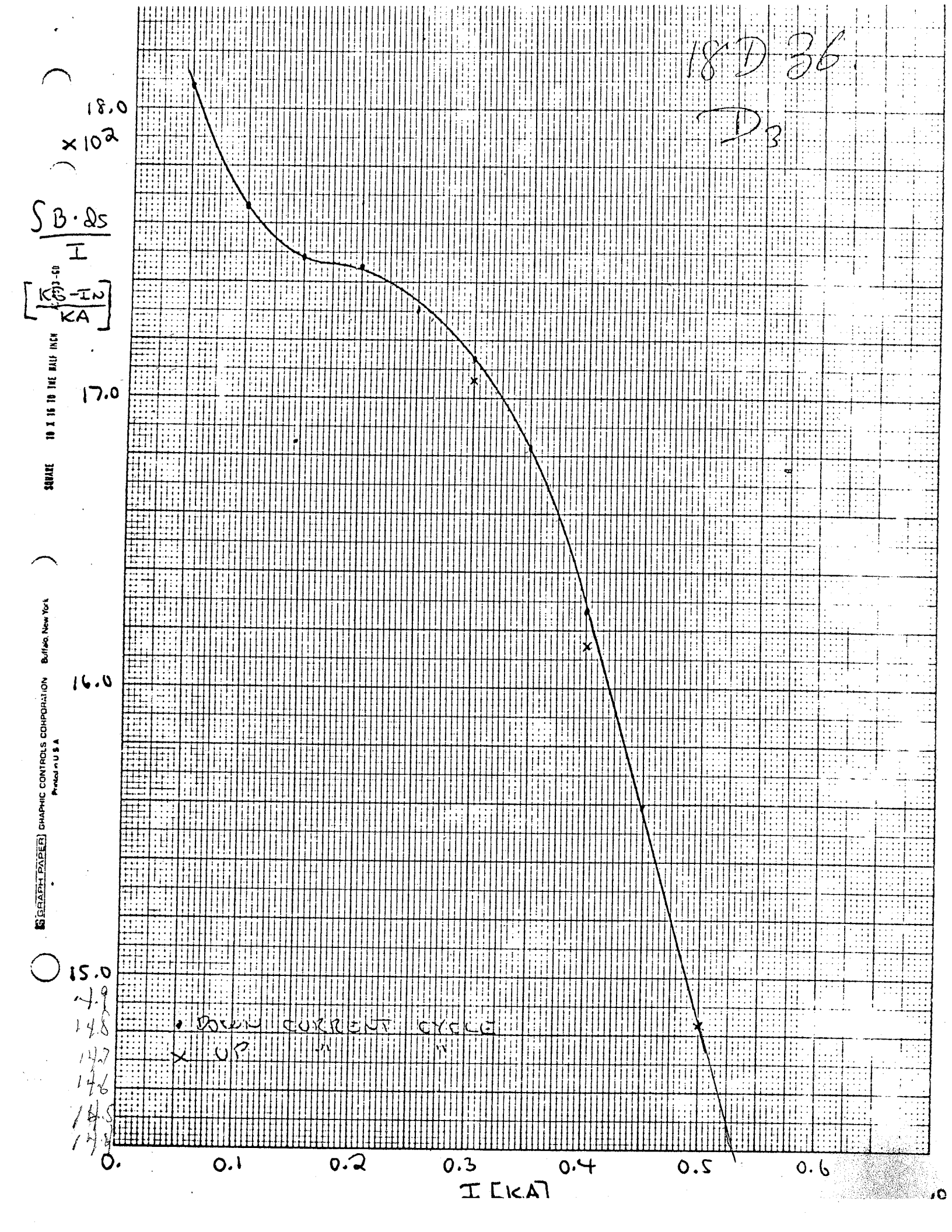
K+E 10 X 10 TO THE CM. 359-14
KEUFFEL & ESSER CO. MADE IN U.S.A.

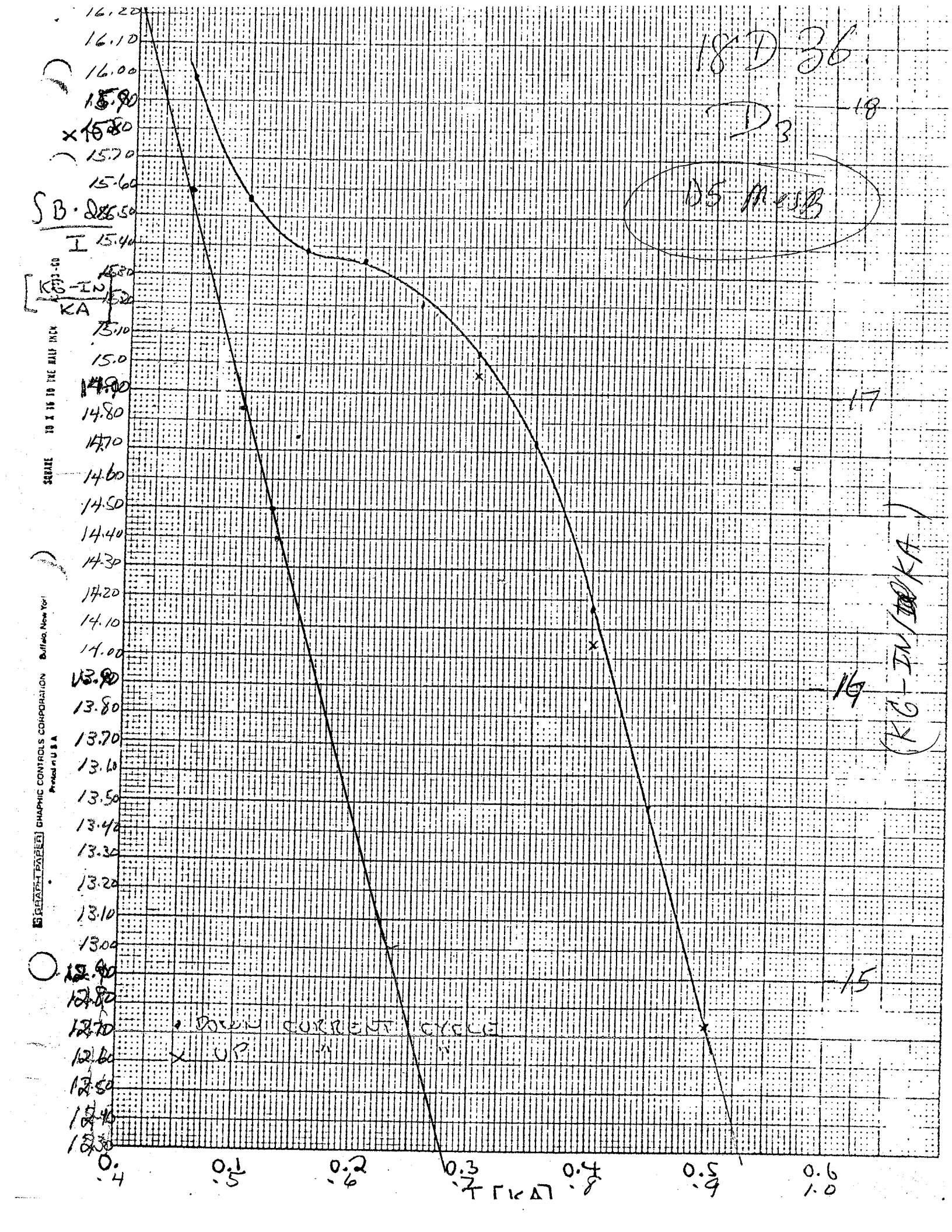



CENTRAL FIELD VS I
40
30
25
20
10
0
1.0
2.0
3.0
B_y (kG)
I(kA)
TAPERED 3" WIDE
TAPERED 4" WIDE
1.5/8 GAP, 5" WIDE
18D72
UNIFORM 15" WIDE
18D72 - 2.5" GAP
18D72 - 4" GAP

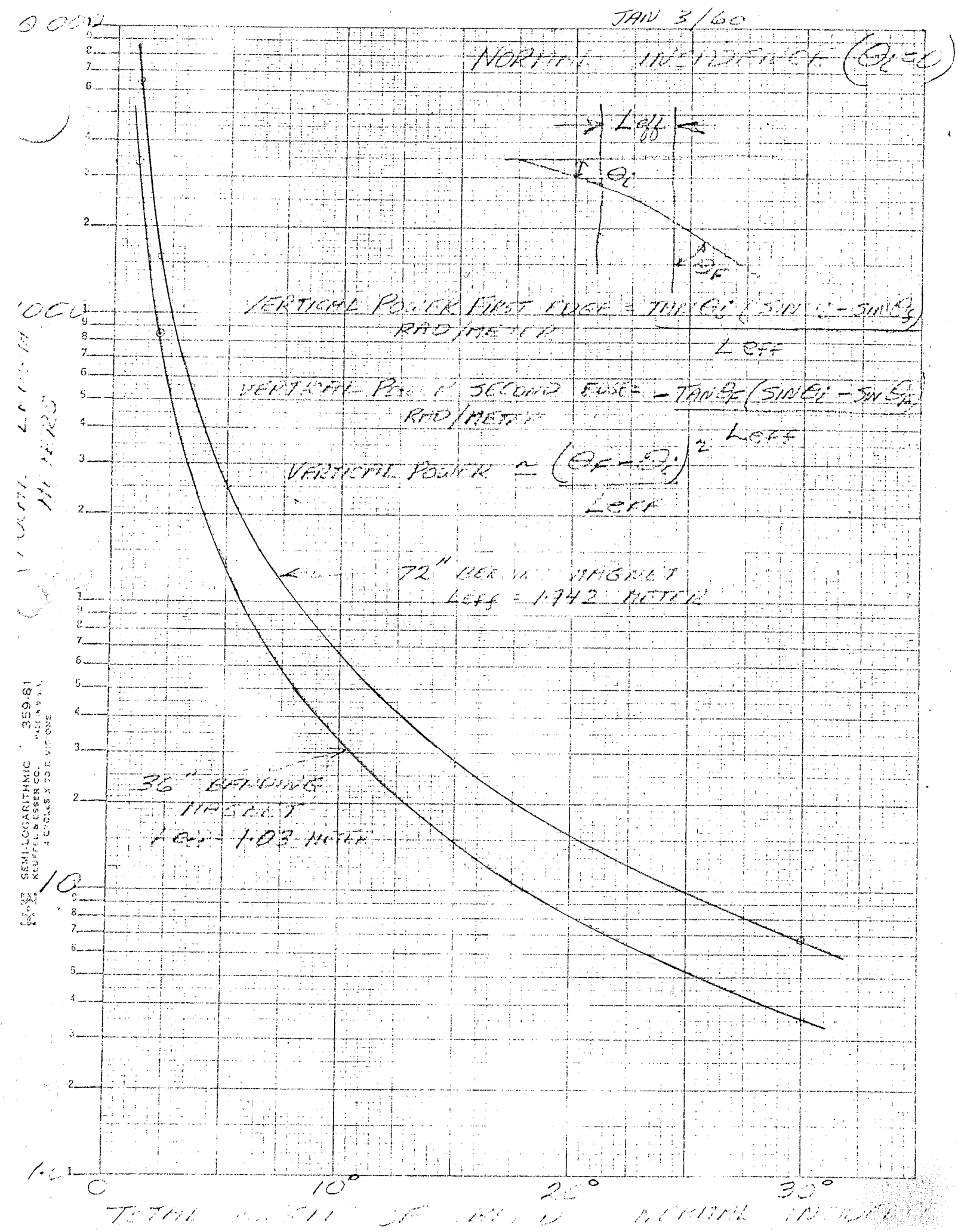

CENTRAL FIELD VS I
40
30
20
10
0
1.0
2.0
3.0
B_y (kG)
I(kA)
TAPERED 3" WIDE
TAPERED 4" WIDE
UNIFORM 18" WIDE
18D72 - 2.5" GAP
18D72 - 6" GAP

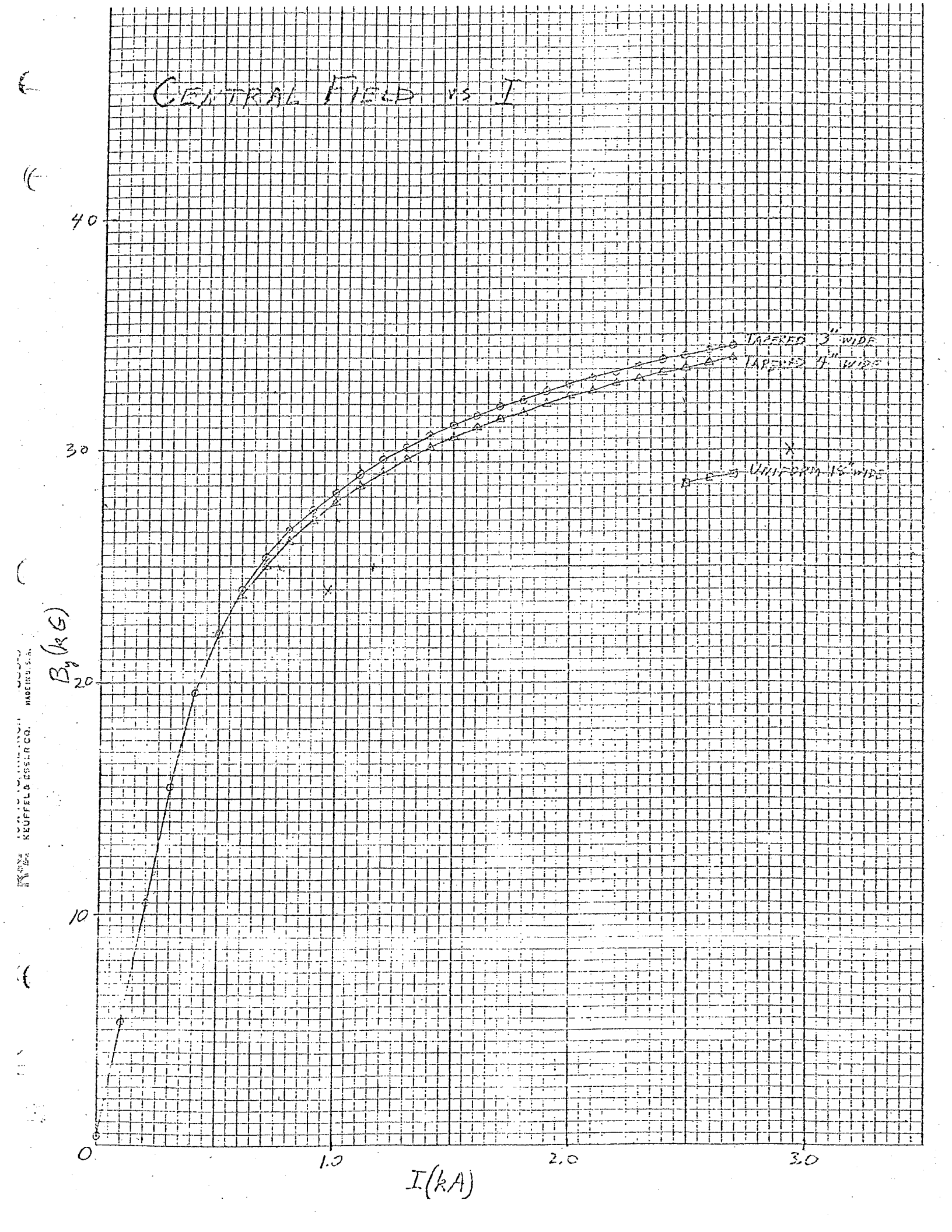

$\mu_0 [B_{ave}/c] (\sin\theta_f - \sin\theta_i) = \frac{\int B \cdot ds}{1313.22} [R\theta + \sin]$
$\frac{\int B \cdot ds}{I}$
$\left[\frac{KG-IN}{KA}\right]$
390
380
370
360
350
340
330
320
310
300
290
280
2.0
2.2
2.4
2.6
2.8
3.0
3.2
3.4
I [KA]
10/25/6

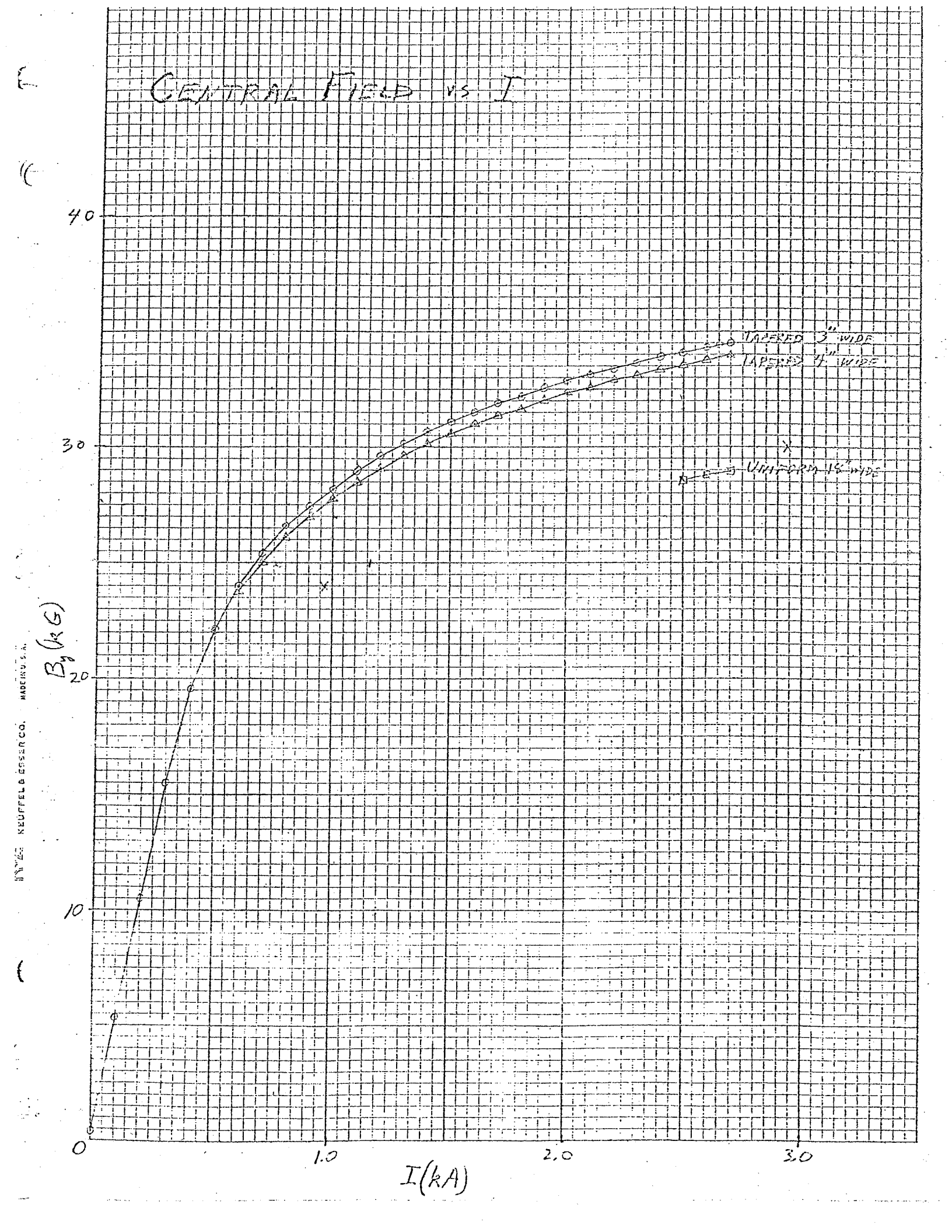

18D 36
P3
18.0
x10²
∫B·ds / I
[KG-IN / KA]
17.0
16.0
15.0
7.9
14.8
14.7
14.6
14.5
14.4
0.
0.1
0.2
0.3
0.4
0.5
0.6
I [KA]
DOWN CURRENT CYCLE
UP
GRAPH PAPER GRAPHIC CONTROLS CORPORATION Buffalo, New York
Printed in U.S.A.
SQUARE 10 X 15 TO THE HALF INCH


18D 36
18
17
16
15
SB · 286
I
[KG-IN/KA]
DS M.S.B
DOWN CURRENT CYCLE
UP
I [KA]
0.4
0.5
0.1
0.2
0.3
0.4
0.5
0.6
1.0
GRAPH PAPER GRAPHIC CONTROLS CORPORATION Buffalo, New York
Printed in U.S.A.

JAN 3/60


NORTH INTERCEPT (θ2=0)
Leff
θi
θf
VERTICAL POINT FIRST FIRE = TAN θf (SIN θi - SIN θf)
RADIUS
Leff
VERTICAL POINT SECOND FIRE = - TAN θf (SIN θi - SIN θf)
RADIUS
Leff
VERTICAL POINT = (θf - θi)² / Leff
72" DIAMETER TARGET
Leff = 1.742 METER
36" DIAMETER TARGET
Leff = 1.03 METER
SEMI-LOGARITHMIC 359-81
KEUFFEL & ESSER CO.
4 CYCLES X 70 DIVISIONS
0
10°
20°
30°


CENTRAL FIELD VS I
40
30
20
10
0
1.0
2.0
3.0
B_y (kG)
I(kA)
TAPERED 3" WIDE
TAPERED 4" WIDE
UNIFORM 16" WIDE
KEUFFEL & ESSER CO.


CENTRAL FIELD vs I
40
30
20
10
0
1.0
2.0
3.0
B_y (kG)
I(kA)
TAPERED 3" WIDE
TAPERED 4" WIDE
UNIFORM 16" WIDE
KEUFFEL & ESSER CO. MADE IN U.S.A.