```
******MODEL NFAC=2,NOD=8,RFC=1,DESIGN=C,NREP=4,CODES=Y,EQUAL=F,ELIST=37/
******FACTOR1 NAME=SEX,NLEV=2,LNAME=MALE,FEMALE,LCODE=1,2/
******FACTOR2 NAME=PB-LEVEL,NLEV=5,LNAME= 0PPM, 10PPM, 50PPM,100PPM,500PPM,
******        LCODE=002,016,057,155,576/
******RESPONSE ADJ, LIVER LEAD,ADJ, BONE LEAD,ADJ, BRAIN LEAD,ADJ, KIDNEY LEAD,
******        LOG  LIVER LEAD,LOG  BONE LEAD,LOG  BRAIN LEAD,LOG  KIDNEY LEAD/
******MEANS 2
******MEANS PLOT 2
******OPCODES
```

OPCODES

```
MPY 2,(10.),2                                          3   2 901   2   0    1
MPY 3,(10.),3                                          3   3 901   3   0    2
MPY 4,(10.),4                                          3   4 901   4   0    3
MPY 5,(10.),5                                          3   5 901   5   0    4
SUB 2,1,801                                            2   2   1 801   0    5
SUB 3,1,802                                            2   3   1 802   0    6
SUB 4,1,803                                            2   4   1 803   0    7
SUB 5,1,804                                            2   5   1 804   0    8
ADD 801,(4.),805                                       1 801 902 805   0    9
ADD 803,(5.),807                                       1 803 903 807   0   10
ADD 804,(3.),808                                       1 804 904 808   0   11
LOG 805,805,10                                         8 805 805  10   0   12
LOG 802,806,10                                         8 802 806  10   0   13
LOG 807,807,10                                         8 807 807  10   0   14
LOG 808,808,10                                         8 808 808  10   0   15
MPY 805,(100.),805                                     3 805 905 805   0   16
MPY 806,(100.),806                                     3 806 905 806   0   17
MPY 807,(100.),807                                     3 807 905 807   0   18
MPY 808,(100.),808                                     3 808 905 808   0   19
OUT                                                  999   0   0   0   0   20
```

```
******FORMAT(//////////   4X,A1,A3,T55,8F5.0)
******DATA NOBS=37,INDV=5
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INPUT DATA MATRIX (DOES NOT INCLUDE TRANSFORMATIONS)

1	2	1	1.10000	.46000	1.03000	.07000	.18000
2	2	1	1.10000	.41000	1.77000	.05000	.16000
3	2	1	1.00000	.59000	5.71000	.05000	.26000
4	2	1	1.00000	.38000	2.87000	.05000	.19000
5	2	2	1.50000	.92000	11.49000	.06000	.53000
6	2	2	1.10000	.69000	8.45000	.05000	.27000
7	2	2	1.90000	.81000	11.61000	.09000	.70000
8	2	2	1.50000	.98000	7.34000	.07000	.39000
9	2	3	2.90000	.51000	8.53000	.05000	.45000
10	2	3	3.30000	1.54000	7.99000	.11000	.46000
11	2	3	2.50000	2.62000	12.02000	.13000	.87000
12	2	3	2.30000	1.11000	9.73000	.11000	.54000
13	2	4	2.70000	1.60000	1.89000	.11000	1.16000
14	2	4	3.50000	2.45000	2.99000	.13000	1.26000
15	2	4	4.40000	3.30000	16.79000	.22000	.99000
16	2	4	2.70000	2.21000	1.03000	.11000	.85000
17	2	5	5.40000	9.49000	18.71000	.32000	2.65000
18	2	5	5.20000	5.38000	14.23000	.28000	2.07000
19	1	1	4.50000	.09000	11.27000	.03000	.24000
20	1	1	1.00000	.14000	1.66000	.04000	.23000
21	1	1	1.00000	.07000	8.28000	.05000	.19000
22	1	1	1.90000	.26000	6.43000	.04000	.28000
23	1	2	1.90000	.51000	2.06000	.05000	.42000
24	1	2	1.90000	.42000	2.07000	.07000	.42000
25	1	2	2.20000	.61000	4.17000	.06000	.21000
26	1	2	1.30000	.36000	2.32000	.04000	.31000
27	1	3	3.10000	1.62000	1.78000	.05000	.39000
28	1	3	3.30000	.65000	.35000	.13000	.62000

29	1	3				
	3.70000	2.61000	4.46000	.09000	1.74000	
30	1	3				
	4.10000	1.90000	6.00000	.11000	.84000	
31	1	4				
	5.40000	2.04000	1.24000	.10000	1.22000	
32	1	4				
	4.50000	2.82000	26.50000	.10000	1.44000	
33	1	4				
	5.40000	2.11000	2.30000	.10000	1.00000	
34	1	4				
	5.40000	1.58000	30.23000	.10000	1.38000	
35	1	5				
	9.10000	6.80000	12.82000	.89000	4.33000	
36	1	5				
	11.40000	13.26000	26.09000	.83000	2.97000	
37	1	5				
	9.10000	5.00000	15.78000	.68000	3.11000	

EXPANDED DATA MATRIX (IDENTIFICATION: INPUT DATA ROW NUMBER, EXPANDED DATA ROW NUMBER, FACTOR LEVELS)

	ADJ. LIVER L		ADJ. BONE LE	ADJ. BRAIN L	ADJ. KIDNEY	LOG LIVER L	LOG BONE LE	LOG BRAIN L	LOG KIDNEY
1	1	2	1						
	3.50000		9.20000	-.40000	.70000(= 4)	87.50613	96.37878	66.27578	56.82017(= 8)
2	2	2	1						
	3.00000		16.60000	-.60000	.50000(= 4)	84.50980	122.01081	64.34527	54.40680(= 8)
3	3	2	1						
	4.90000		56.10000	-.50000	1.60000(= 4)	94.93900	174.89629	65.32125	66.27578(= 8)
4	4	2	1						
	2.80000		27.70000	-.50000	.90000(= 4)	83.26089	144.24798	65.32125	59.10646(= 8)
5	5	2	2						
	7.70000		113.40000	-.90000	3.80000(= 4)	106.81859	205.46131	61.27839	83.25089(= 8)
6	6	2	2						
	5.80000		83.40000	-.60000	1.60000(= 4)	99.12261	192.11661	64.34527	66.27578(= 8)
7	7	2	2						
	6.20000		114.20000	-1.00000	5.10000(= 4)	100.46002	205.76661	60.20600	90.84850(= 8)
8	8	2	2						
	8.30000		71.90000	-.80000	2.40000(= 4)	108.99051	185.67289	62.32493	73.23938(= 8)
9	9	2	3						
	2.20000		82.40000	-2.40000	1.60000(= 4)	79.23917	191.59272	41.49733	66.27578(= 8)
10	10	2	3						
	12.10000		76.60000	-2.20000	1.30000(= 4)	120.68259	188.82288	44.71580	63.34685(= 8)
11	11	2	3						
	23.70000		117.70000	-1.20000	6.20000(= 4)	144.24798	207.07765	57.97836	96.37878(= 8)
12	12	2	3						
	8.80000		95.00000	-1.20000	3.10000(= 4)	110.72100	197.77236	57.97836	78.53298(= 8)
13	13	2	4						
	13.30000		16.20000	-1.60000	8.90000(= 4)	123.80561	120.95150	53.14789	107.55470(= 8)
14	14	2	4						
	21.00000		26.40000	-2.20000	9.10000(= 4)	139.79400	142.16039	44.71580	108.27854(= 8)
15	15	2	4						
	28.60000		163.50000	-2.20000	5.50000(= 4)	181.32178	221.35178	44.71580	92.94189(= 8)
16	16	2	4						
	19.40000		7.60000	-1.60000	5.80000(= 4)	136.92159	88.08136	53.14789	98.44827(= 8)
17	17	2	5						
	89.50000		181.70000	-2.20000	20.90000(= 4)	197.08118	225.93549	44.71580	137.83979(= 8)
18	18	2	5						
	48.60000		137.10000	-2.40000	15.50000(= 4)	172.09857	213.70375	41.49734	126.71717(= 8)
19	19	1	1						
	-3.60000		108.20000	-.20000	-2.10000(= 4)	-39.79400	203.42273	-9.69100	-4.87575(= 8)
20	20	1	1						
	.40000		15.60000	-.60000	1.30000(= 4)	64.34527	119.31248	64.34527	63.34685(= 8)
21	21	1	1						
	-.30000		81.80000	-.50000	.90000(= 4)	56.82017	191.27533	65.32125	59.10646(= 8)
22	22	1	1						
	.70000		62.40000	-1.80000	.90000(= 4)	67.20979	179.51846	54.40680	59.10646(= 8)
23	23	1	2						
	3.20000		18.70000	-1.40000	2.30000(= 4)	85.73325	127.18416	55.63025	72.42759(= 8)
24	24	1	2						
	2.30000		18.80000	-1.20000	2.30000(= 4)	79.93406	127.41578	57.97836	72.42759(= 8)
25	25	1	2						
	3.90000		39.50000	-1.60000	-.10000(= 4)	89.76271	159.65971	53.14789	46.23980(= 8)
26	26	1	2						
	2.30000		21.90000	-.90000	1.80000(= 4)	79.93405	134.04441	61.27839	68.12412(= 8)
27	27	1	3						
	13.10000		14.70000	-2.60000	.80000(= 4)	123.29961	116.73173	38.02112	57.97836(= 8)

28	28	1	3						
	3.20000		.20000	-2.00000	2.90000(= 4)	85.73525	-69.89708	47.71213	77.08520(= 8)
29	29	1	3						
	22.40000		40.90000	-2.80000	13.70000(= 4)	142.16039	161.17233	34.24227	122.27165(= 8)
30	30	1	3						
	14.90000		55.90000	-3.00000	4.30000(= 4)	127.64618	174.74118	30.10300	86.33229(= 8)
31	31	1	4						
	15.00000		7.00000	-4.40000	6.80000(= 4)	127.87536	84.50950	-22.18487	99.12261(= 8)
32	32	1	4						
	23.70000		260.50000	-3.50000	9.90000(= 4)	154.24798	241.58077	17.80913	111.05897(= 8)
33	33	1	4						
	15.70000		17.60000	-4.40000	4.60000(= 4)	129.44662	124.58127	-22.18487	88.06136(= 8)
34	34	1	4						
	10.40000		296.90000	-4.40000	8.40000(= 4)	115.83625	247.26102	-22.18487	105.69049(= 8)
35	35	1	5						
	58.90000		119.10000	-.20000	34.20000(= 4)	179.86506	207.59118	66.12412	157.05429(= 8)
36	36	1	5						
	121.20000		249.50000	-3.10000	18.30000(= 4)	209.76043	239.70705	27.87536	132.83796(= 8)
37	37	1	5						
	40.90000		148.70000	-2.30000	22.00000(= 4)	165.22463	217.23110	43.13638	139.79400(= 8)

NO. OF INPUT DATA ROWS = 37
NO. OF ROWS DELETED BY LOGICAL TESTS = 0
NO. OF ROWS DELETED FOR MISSING DATA = 0
NO. OF EXPANDED DATA ROWS REMAINING = 37

******ANOVA ******

RESPONSE NUMBER 1 ADJ. LIVER LEAD

CELL IDENTIFICATION	CELL MEAN	CELL VARIANCE	CELL STANDARD DEVIATION	NUMBER OF OBSERVATIONS
1 1	-.7000	3.9133	1.9782	4
1 2	2.9250	.6025	.7762	4
1 3	13.4000	62.4600	7.9032	4
1 4	16.2000	30.5267	5.5251	4
1 5	73.6667	1775.5632	42.1374 *	3
2 1	3.5500	.8967	.9469	4
2 2	7.0000	1.4200	1.1916	4
2 3	11.7000	80.9400	8.9967	4
2 4	20.9750	39.0292	6.2952	4
2 5	69.0500	836.4052	28.9207 *	2

MEAN OF THE CELL MEANS = 21.73667

WITHIN CELL VARIANCE =	186.98876
WITHIN CELL STANDARD DEVIATION =	13.67438
HARMONIC MEAN OF CELL SIZE =	3.5894
COEFFICIENT OF VARIATION (STANDARD DEVIATION/GRAND MEAN) =	.62909
VARIANCE OF A CELL MEAN =	52.98018
STANDARD ERROR OF A CELL MEAN =	7.27875

CONTROL LIMITS FOR THE STANDARD DEVIATION

UPPER CONTROL LIMIT =	23.71554
LOWER CONTROL LIMIT =	.00000

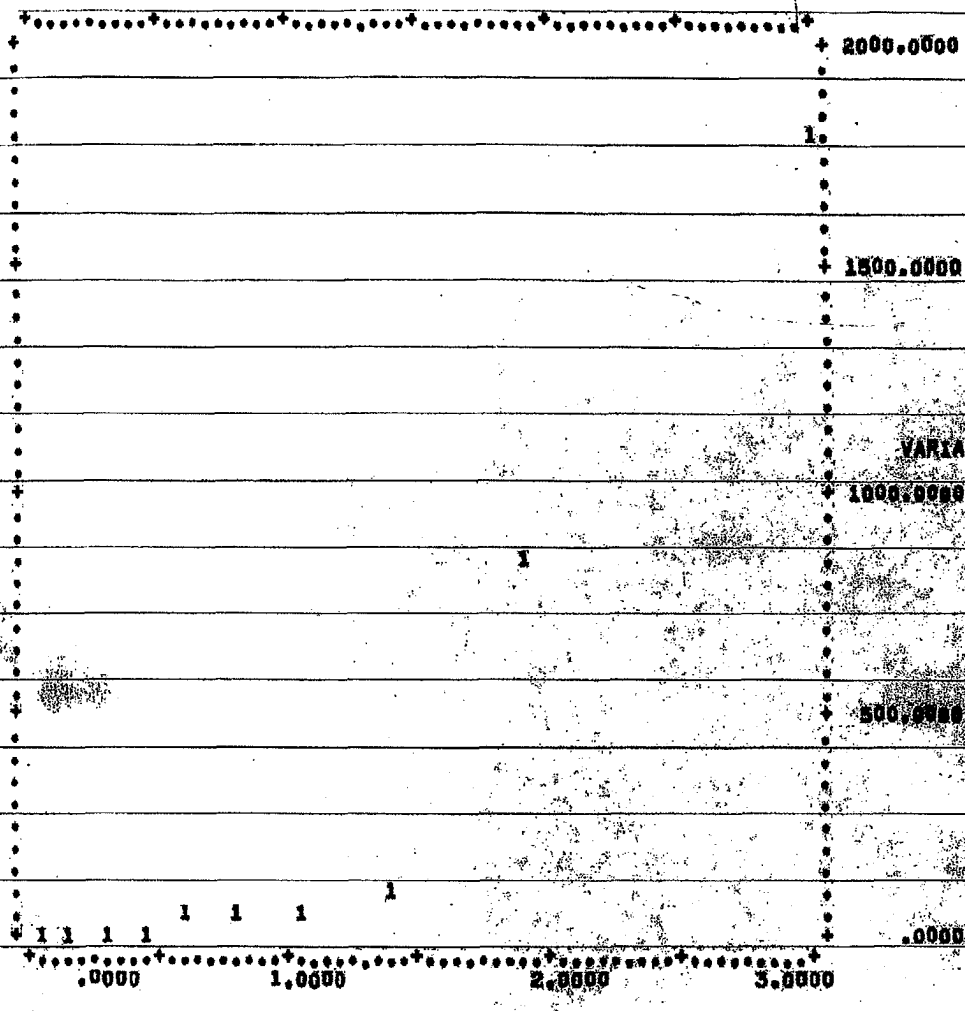
* DENOTES STANDARD DEVIATION OUTSIDE OF LIMITS

TEST FOR HOMOGENEITY OF WITHIN CELL SAMPLE SIZES

CHI SQUARE = 1.11 (NOT SIGNIFICANT)

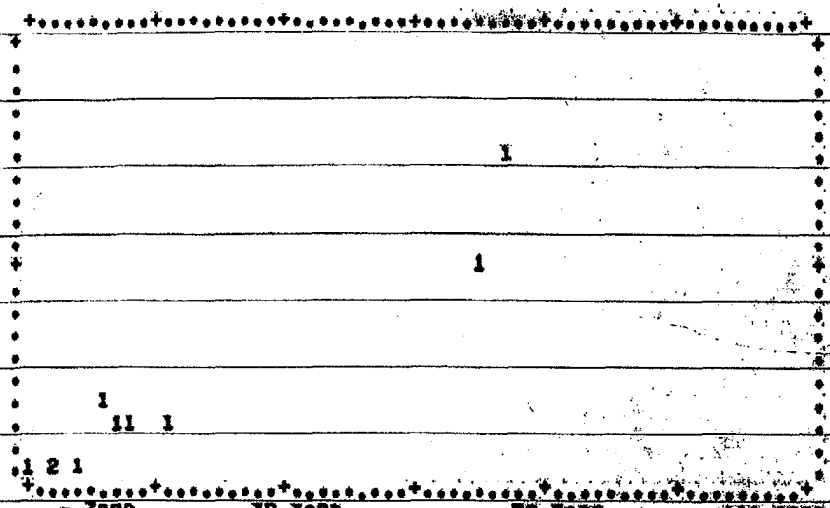
A SIGNIFICANT CHI SQUARE STATISTIC INDICATES THAT THE ACCURACY OF THE UNWEIGHTED ANALYSIS OF MEANS MAY BE QUESTIONED.

THE GAMMA PLOT

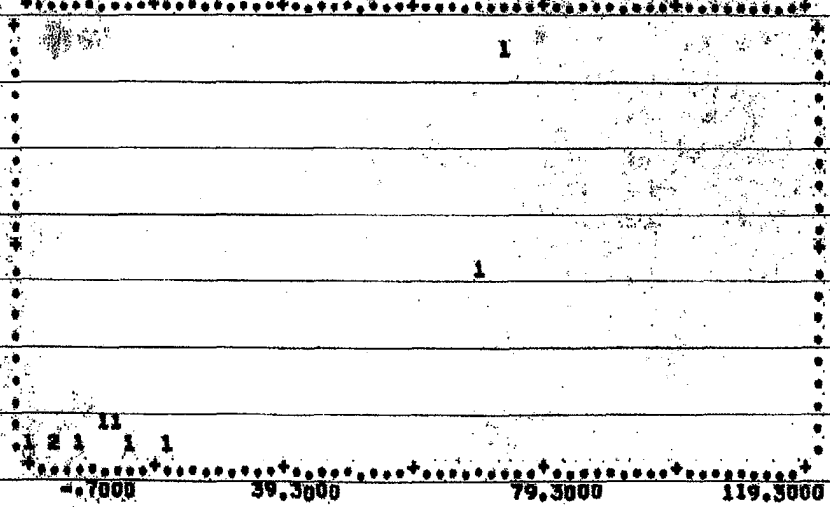


E(10)	=	1.6618	RESIDUAL FOR HIGHEST VALUE OF X TILDA
T FOR SLOPE	=	5.6228	STUDENTIZED SLOPE, Y=BX, (INTERCEPT=0)
T CRITICAL	=	2.2618	T FOR ALPHA=.05, N-1 DEGREES OF FREEDOM

PLOT OF CELL MEANS VRS STANDARD DEVIATIONS



PLOT OF CELL MEANS VRS VARIANCES



EXPECTED MEAN SQUARE TABLE

SOURCE OF VARIATION	EXPECTED MEAN SQUARE
A = SEX	REP + 5(A)
B = PB-LEVEL	REP + 2(B)
AB	REP + 1(AB)
REPLICATES	REP

RESPONSE NUMBER 1 ADJ. LIVER LEAD UNWEIGHTED ANALYSIS OF CELL MEANS

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE	F RATIO
TOTAL	9	6592.72198		
A = SEX	1	4.07469	4.07469	.08
B = PB-LEVEL	4	6503.71594	1625.92899	30.69 **
AB	4	34.93148	8.73287	.16
REPLICATES	27		52.98015	

* SIGNIFICANT AT THE .05 PROBABILITY LEVEL (ONE-TAIL TEST)
** SIGNIFICANT AT THE .01 PROBABILITY LEVEL (ONE-TAIL TEST)

RESPONSE NUMBER 1 ADJ. LIVER LEAD

MEANS TABLES

SEX MEANS

MALE	FEMALE
21.0983	22.3750

STANDARD ERROR OF A MEAN =	3.2552
95% CONFIDENCE LIMITS =	6.6790
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	4.6035
LEAST SIGNIFICANT DIFFERENCE (LSD) =	9.4455

PB-LEVEL MEANS

0PPM	10PPM	50PPM	100PPM	500PPM
1.4250	4.9625	12.8500	18.3875	71.3583

STANDARD ERROR OF A MEAN =	5.1469
95% CONFIDENCE LIMITS =	10.5604
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	7.2787
LEAST SIGNIFICANT DIFFERENCE (LSD) =	14.9346

SEX * PB-LEVEL INTERACTION

SEX PB-LEVEL

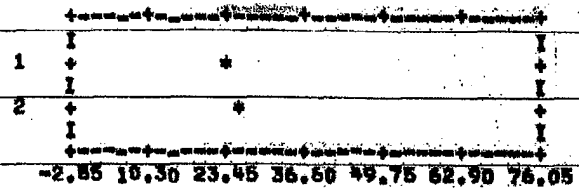
	0PPM	10PPM	50PPM	100PPM	500PPM
MALE	-.7000	2.9250	13.4000	16.2000	73.6667
FEMALE	3.5500	7.0000	11.7000	20.5750	69.0500
DIFFERENCES	-4.2500	-4.0750	1.7000	-4.3750	4.6167

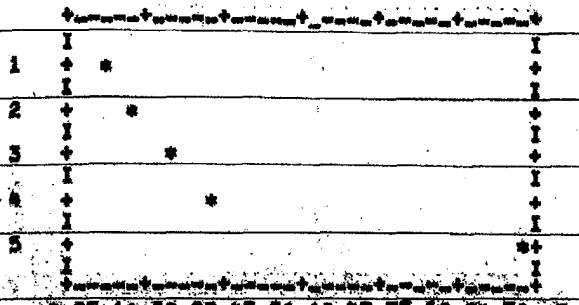
STANDARD ERROR OF A MEAN =	7.2787
95% CONFIDENCE LIMITS =	14.9346
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	10.2937
LEAST SIGNIFICANT DIFFERENCE (LSD) =	21.1208

SYMBOLS USED IN 2- AND 3-WAY MEANS PLOTS

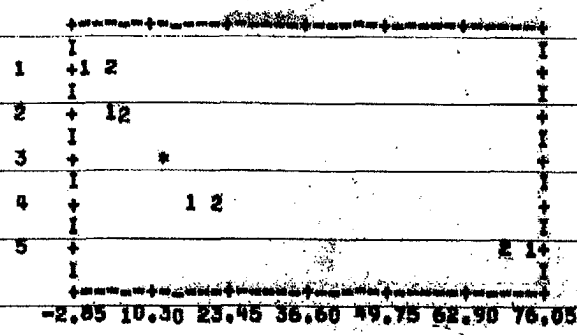
1 = LEVEL 1
2 = LEVEL 2
* = REPEATED SYMBOLS

SEX MEANS PB-LEVEL MEANS





PB-LEVEL * SEX



RESPONSE NUMBER 2 ADJ. BONE LEAD

CELL IDENTIFICATION	CELL MEAN	CELL VARIANCE	CELL STANDARD DEVIATION	NUMBER OF OBSERVATIONS
1 1	67.0000	1526.5334	39.0709	4
1 2	24.7250	99.2292	9.9614	4
1 3	27.9250	631.5092	25.1298	4
1 4	145.5000	23895.8745	154.5829 *	4
1 5	172.4333	4673.4941	68.3630	3
2 1	27.4000	423.8867	20.5885	4
2 2	95.7250	457.7560	21.3952	4
2 3	92.9250	331.7959	18.2153	4
2 4	65.8250	5444.1625	73.7846	4
2 5	159.4000	994.5813	31.5370	2

MEAN OF THE CELL MEANS = 86.64583

WITHIN CELL VARIANCE =	4028.65956
WITHIN CELL STANDARD DEVIATION =	63.47172
HARMONIC MEAN OF CELL SIZE =	3.52941
COEFFICIENT OF VARIATION (STANDARD DEVIATION/GRAND MEAN) =	.73254
VARIANCE OF A CELL MEAN =	1141.48354
STANDARD ERROR OF A CELL MEAN =	33.78540

CONTROL LIMITS FOR THE STANDARD DEVIATION

UPPER CONTROL LIMIT = 104.81656

LOWER CONTROL LIMIT = .00000

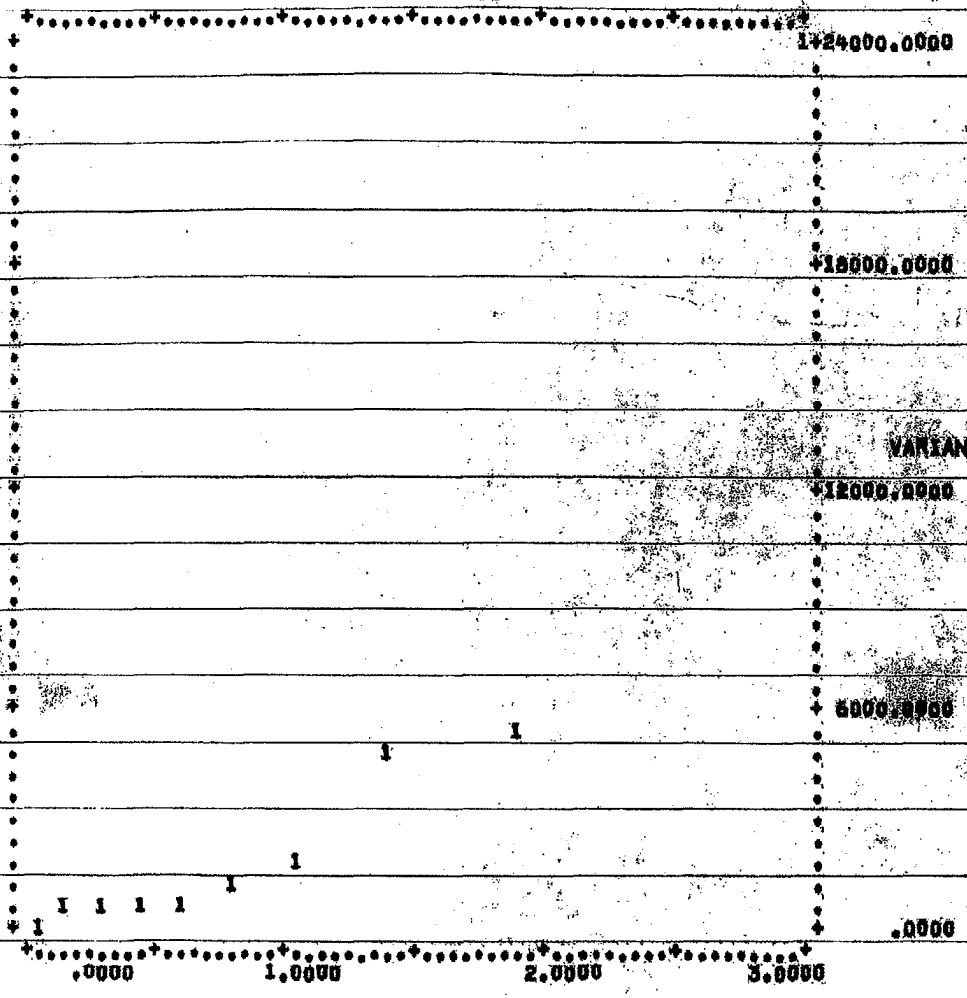
* DENOTES STANDARD DEVIATION OUTSIDE OF LIMITS

TEST FOR HOMOGENEITY OF WITHIN CELL SAMPLE SIZES

CHI SQUARE = 1.11 (NOT SIGNIFICANT)

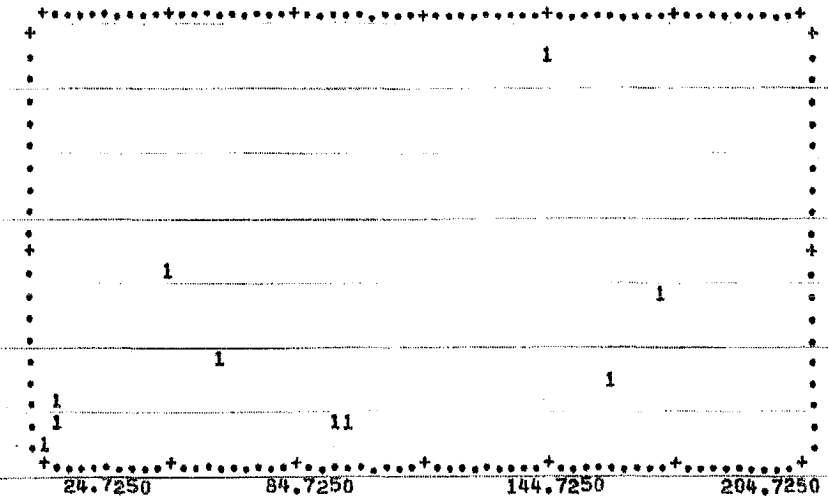
A SIGNIFICANT CHI SQUARE STATISTIC INDICATES THAT THE ACCURACY OF THE UNWEIGHTED ANALYSIS OF MEANS MAY BE QUESTIONED.

THE GAMMA PLOT

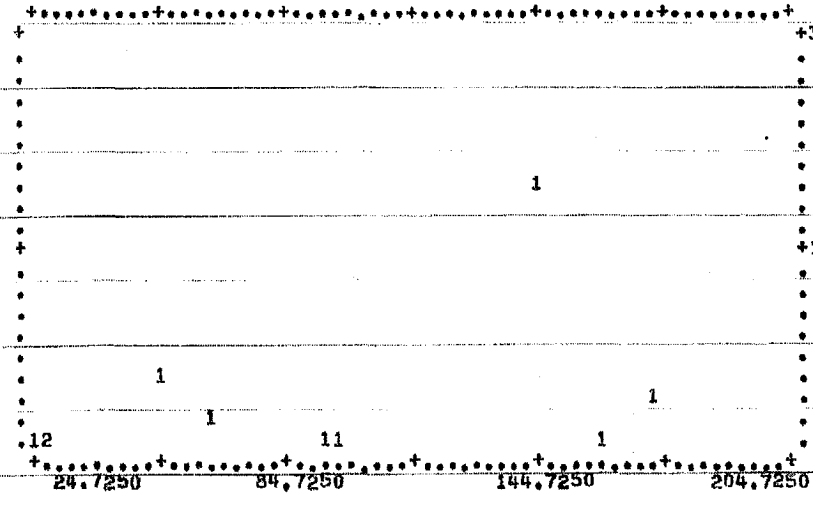


E(10)	=	2.0130	RESIDUAL FOR HIGHEST VALUE OF X TILDA
T FOR SLOPE	=	5.6249	STUDENTIZED SLOPE, Y=BX, (INTERCEPT=0)
T CRITICAL	=	2.2618	T FOR ALPHA=.05, N-1 DEGREES OF FREEDOM

PLOT OF CELL MEANS VRS STANDARD DEVIATIONS



PLOT OF CELL MEANS VRS VARIANCES



RESPONSE NUMBER 2 ADJ. BONE LEAD UNWEIGHTED ANALYSIS OF CELL MEANS

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE	F RATIO
TOTAL	9	.28520+05		
A = SEX	1	.75835+01	7.58351	.01
B = PB-LEVEL	1	.18779+05	4695.84894	4.11 **
AB	1	.97333+04	2433.33319	2.13
REPLICATES	27		1141.45384	

* SIGNIFICANT AT THE .05 PROBABILITY LEVEL (ONE-TAIL TEST)
** SIGNIFICANT AT THE .01 PROBABILITY LEVEL (ONE-TAIL TEST)

RESPONSE NUMBER 2 ADJ. BONE LEAD

MEANS TABLES

SEX MEANS

MALE	FEMALE
87.5167	85.7750

STANDARD ERROR OF A MEAN =	15.1093
95% CONFIDENCE LIMITS =	31.0015
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	21.3678
LEAST SIGNIFICANT DIFFERENCE (LSD) =	43.8427

PB-LEVEL MEANS

0PPM	10PPM	50PPM	100PPM	500PPM
47.2000	40.2250	60.4250	99.4625	165.9167

STANDARD ERROR OF A MEAN =	23.8899
95% CONFIDENCE LIMITS =	49.0178
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	33.7854
LEAST SIGNIFICANT DIFFERENCE (LSD) =	69.3214

SEX * PB-LEVEL INTERACTION

SEX PB-LEVEL

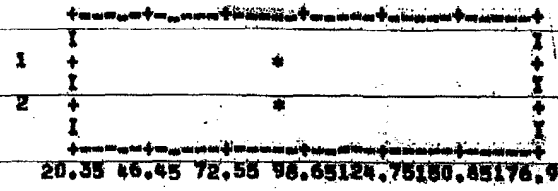
	0PPM	10PPM	50PPM	100PPM	500PPM
MALE	67.0000	24.7250	27.9250	145.5000	172.4333
FEMALE	27.4000	55.7250	92.9250	53.4250	159.4000
DIFFERENCES	39.6000	-71.0000	-65.0000	92.0750	13.0333

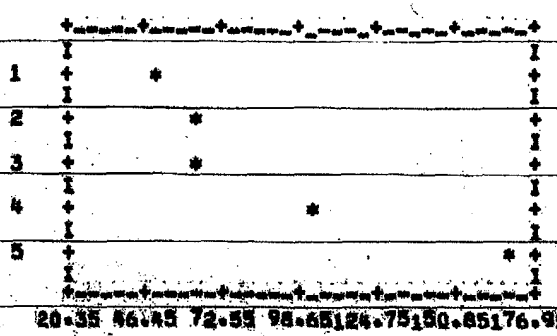
STANDARD ERROR OF A MEAN =	33.7854
95% CONFIDENCE LIMITS =	69.3214
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	47.7798
LEAST SIGNIFICANT DIFFERENCE (LSD) =	98.0352

SYMBOLS USED IN 2- AND 3-WAY MEANS PLOTS

1 = LEVEL 1
2 = LEVEL 2
* = REPEATED SYMBOLS

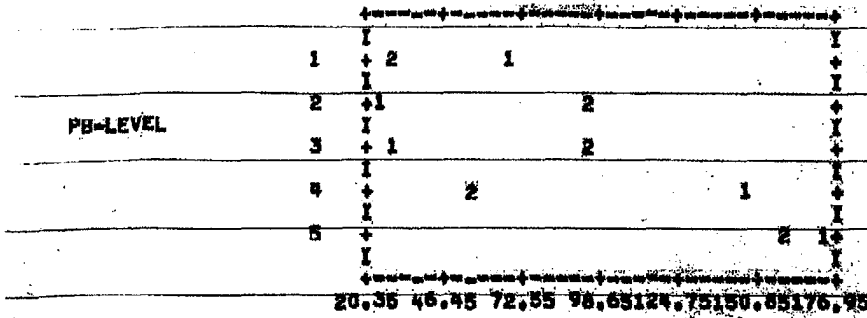
SEX MEANS PB-LEVEL MEANS





21

PB-LEVEL * SEX



RESPONSE NUMBER 3 ADJ. BRAIN LEAD

CELL IDENTIFICATION	CELL MEAN	CELL VARIANCE	CELL STANDARD DEVIATION	NUMBER OF OBSERVATIONS
1 1	-1.7000	2.9800	1.7263 *	4
1 2	-1.2750	.0892	.2986	4
1 3	-2.6000	.1867	.4320	4
1 4	-4.1750	.2025	.4500	4
1 5	-1.8667	2.2433	1.4978 *	3
2 1	-.5000	.0067	.0816	4
2 2	-.8250	.0292	.1708	4
2 3	-1.7500	.4100	.6403	4
2 4	-1.9000	.1200	.3464	4
2 5	-2.3000	.0200	.1414	2

MEAN OF THE CELL MEANS = -1.88917

WITHIN CELL VARIANCE =	.61404
WITHIN CELL STANDARD DEVIATION =	.78361
HARMONIC MEAN OF CELL SIZE =	3.52941
COEFFICIENT OF VARIATION (STANDARD DEVIATION/GRAND MEAN) =	-.41479
VARIANCE OF A CELL MEAN =	.17398
STANDARD ERROR OF A CELL MEAN =	.41711

CONTROL LIMITS FOR THE STANDARD DEVIATION

UPPER CONTROL LIMIT =	1.31078
LOWER CONTROL LIMIT =	.00000

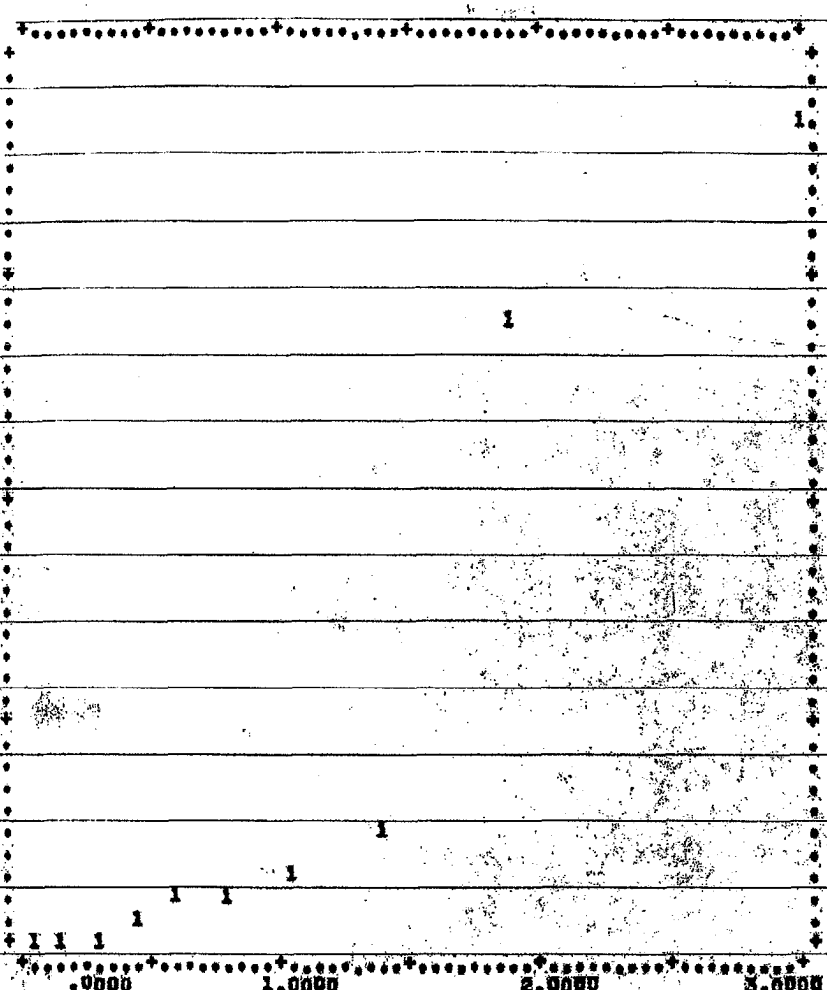
* DENOTES STANDARD DEVIATION OUTSIDE OF LIMITS

TEST FOR HOMOGENEITY OF WITHIN CELL SAMPLE SIZES

CHI SQUARE = 1.11 (NOT SIGNIFICANT)

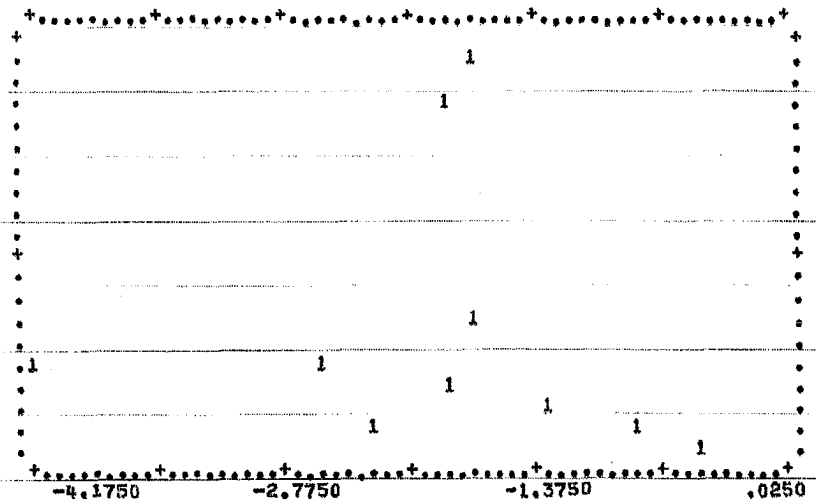
A SIGNIFICANT CHI SQUARE STATISTIC INDICATES THAT THE ACCURACY OF THE UNWEIGHTED ANALYSIS OF MEANS MAY BE QUESTIONED.

THE GAMMA PLOT

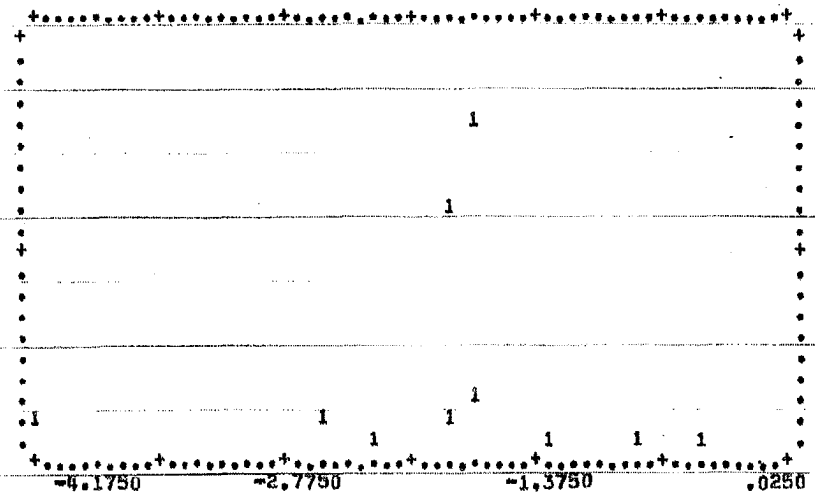


E(10) = .9301 RESIDUAL FOR HIGHEST VALUE OF X TILDA
T FOR SLOPE = 6.9940 STUDENTIZED SLOPE, Y=BX, (INTERCEPT=0)
T CRITICAL = 2.2618 T FOR ALPHA=.05, N-1 DEGREES OF FREEDOM

PLOT OF CELL MEANS VRS STANDARD DEVIATIONS



PLOT OF CELL MEANS VRS VARIANCES



RESPONSE NUMBER 3 ADJ. BRAIN LEAD UNWEIGHTED ANALYSIS OF CELL MEANS

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE	F RATIO
TOTAL	9	9.39931		
A = SEX	1	1.88501	1.88501	10.83 **
B = PB-LEVEL	4	5.53011	1.38253	7.95 **
AB	4	1.97919	.49480	2.84 *
REPLICATES	27		.17398	

* SIGNIFICANT AT THE .05 PROBABILITY LEVEL (ONE-TAIL TEST)
** SIGNIFICANT AT THE .01 PROBABILITY LEVEL (ONE-TAIL TEST)

RESPONSE NUMBER 3 ADJ. BRAIN LEAD

MEANS TABLES

SEX MEANS

MALE	FEMALE
-2.3253	-1.4550

STANDARD ERROR OF A MEAN =	.1865
95% CONFIDENCE LIMITS =	.3827
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	.2638
LEAST SIGNIFICANT DIFFERENCE (LSD) =	.5413

PB-LEVEL MEANS

0PPM	10PPM	50PPM	100PPM	500PPM
-1.1000	-1.0500	-2.1750	-3.0375	-2.0833

STANDARD ERROR OF A MEAN =	.2949
95% CONFIDENCE LIMITS =	.6052
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	.4171
LEAST SIGNIFICANT DIFFERENCE (LSD) =	.8558

SEX * PB-LEVEL INTERACTION

SEX PB-LEVEL

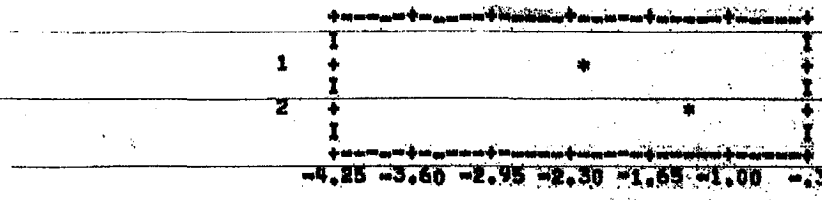
	0PPM	10PPM	50PPM	100PPM	500PPM
MALE	-1.7000	-1.2750	-2.6000	-4.1750	-1.8667
FEMALE	-.5000	-.8250	-1.7500	-1.9000	-2.3000
DIFFERENCES	-1.2000	-.4500	-.8500	-2.2750	.4333

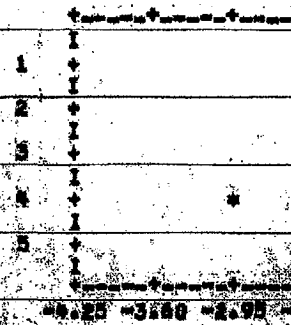
STANDARD ERROR OF A MEAN =	.4171
95% CONFIDENCE LIMITS =	.8558
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	.5899
LEAST SIGNIFICANT DIFFERENCE (LSD) =	1.2103

SYMBOLS USED IN 2- AND 3-WAY MEANS PLOTS

1 = LEVEL 1
2 = LEVEL 2
* = REPEATED SYMBOLS

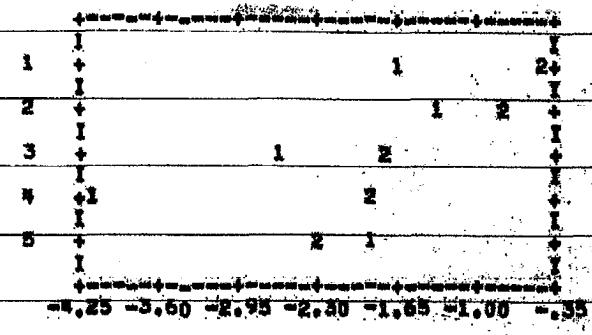
SEX MEANS PB-LEVEL MEANS





6912

PB-LEVEL * SEX



RESPONSE NUMBER 4 ADJ. KIDNEY LEAD

CELL IDENTIFICATION	CELL MEAN	CELL VARIANCE	CELL STANDARD DEVIATION	NUMBER OF OBSERVATIONS
1 1	.2500	2.4900	1.5780	4
1 2	1.5750	1.3025	1.1413	4
1 3	5.4250	32.5025	5.7011	4
1 4	7.4250	5.1892	2.2692	4
1 5	24.6333	69.2234	8.3201 *	3
2 1	.4250	.2292	.4787	4
2 2	3.2250	2.3892	1.5457	4
2 3	3.0500	5.0300	2.2428	4
2 4	7.3250	3.7625	1.9397	4
2 5	18.2000	14.5800	3.8184	2

MEAN OF THE CELL MEANS = 7.22333

WITHIN CELL VARIANCE = 11.54043
WITHIN CELL STANDARD DEVIATION = 3.39712
HARMONIC MEAN OF CELL SIZE = 3.22941
COEFFICIENT OF VARIATION (STANDARD DEVIATION/GRAND MEAN) = .47030
VARIANCE OF A CELL MEAN = 3.86979
STANDARD ERROR OF A CELL MEAN = 1.96726

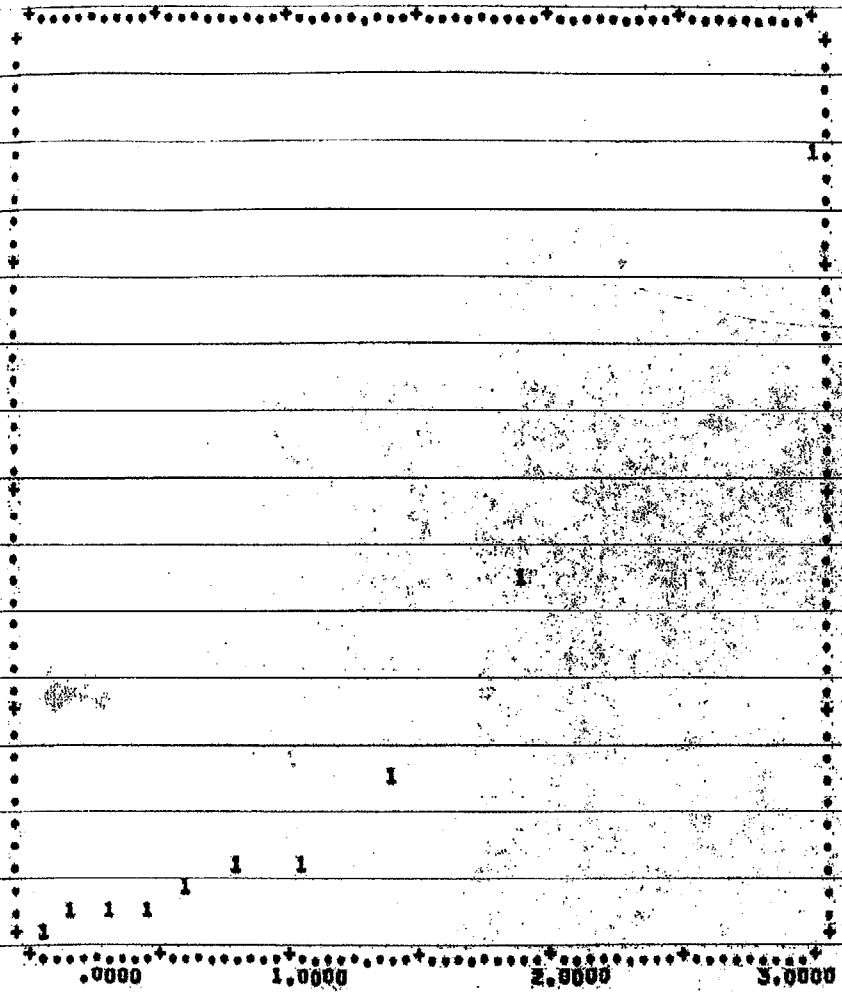
CONTROL LIMITS FOR THE STANDARD DEVIATION
UPPER CONTROL LIMIT = 6.57848
LOWER CONTROL LIMIT = .00000
* DENOTES STANDARD DEVIATION OUTSIDE OF LIMITS

TEST FOR HOMOGENEITY OF WITHIN CELL SAMPLE SIZES

CHI SQUARE = 1.11 (NOT SIGNIFICANT)

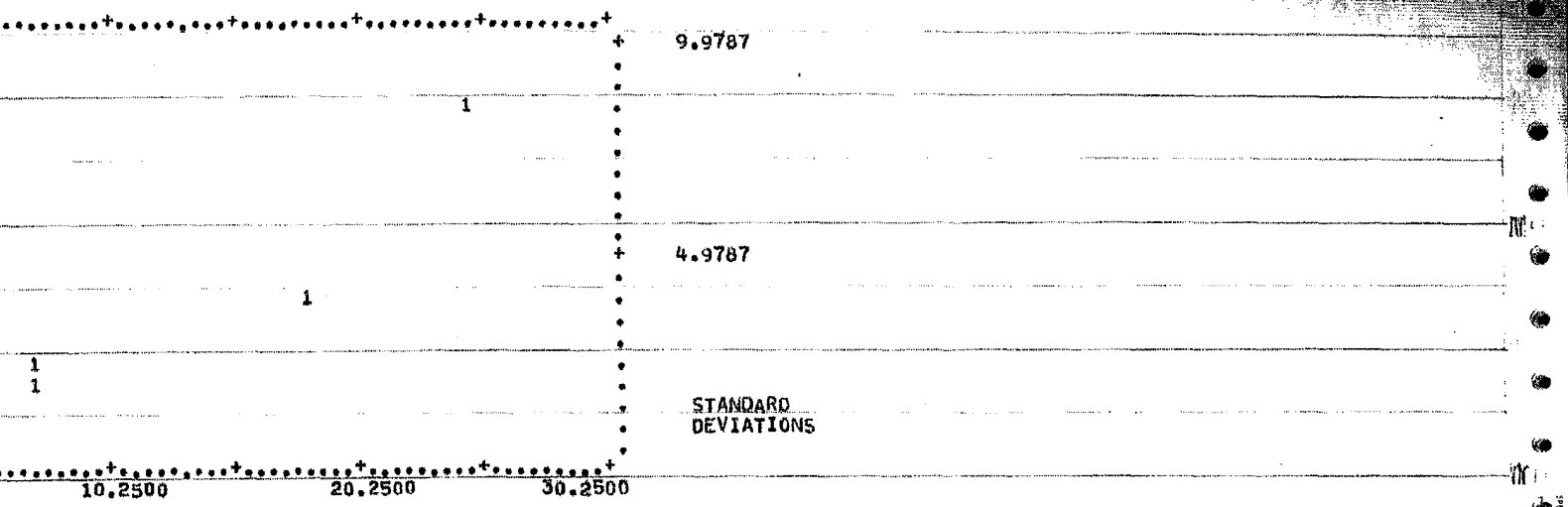
A SIGNIFICANT CHI SQUARE STATISTIC INDICATES THAT THE ACCURACY OF THE UNWEIGHTED ANALYSIS OF MEANS MAY BE QUESTIONED.

THE GAMMA PLOT

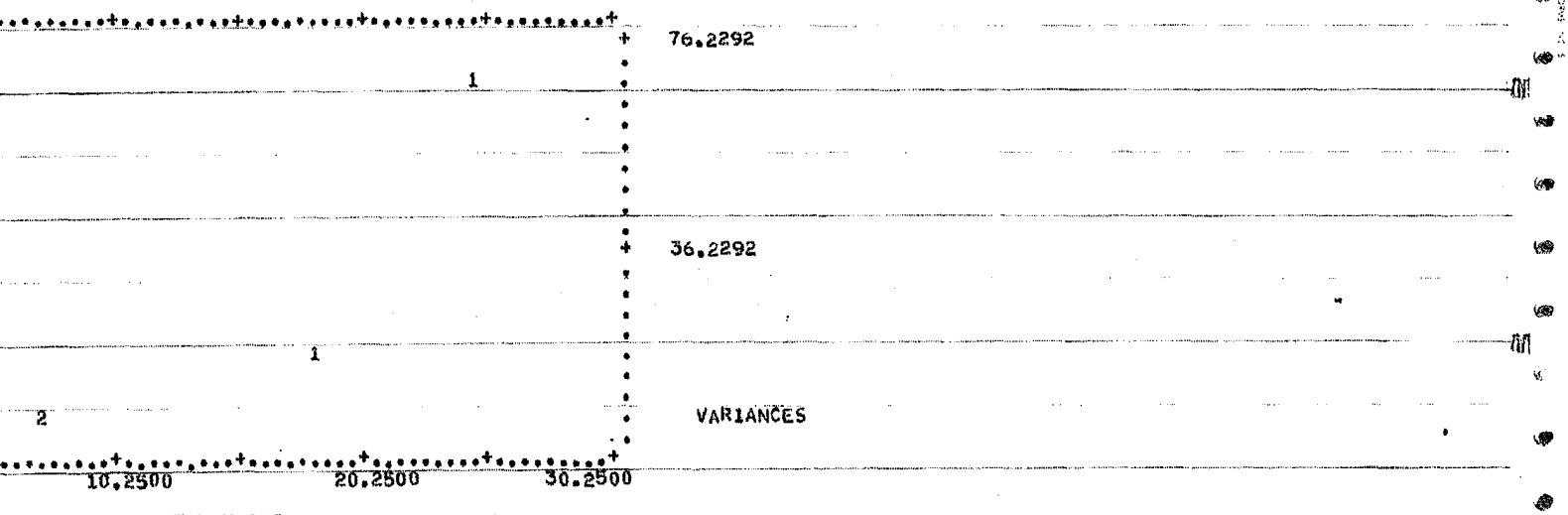


E(10)	=	1.7482	RESIDUAL FOR HIGHEST VALUE OF X TILDA
T FOR SLOPE	=	8.2511	STUDENTIZED SLOPE, Y=BX, (INTERCEPT=0)
T CRITICAL	=	2.2618	T FOR ALPHA=.05, N-1 DEGREES OF FREEDOM

MEANS VRS STANDARD DEVIATIONS



MEANS VRS VARIANCES



RESPONSE NUMBER 4 ADJ. KIDNEY LEAD UNWEIGHTED ANALYSIS OF CELL MEANS

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE	F RATIO
TOTAL	9	587.48772		
A = SEX	1	4.60136	4.60136	1.41
B = PB-LEVEL	4	561.07280	140.26820	42.90 **
AB	4	21.81357	5.45339	1.67
REPLICATES	27		3.26979	

* SIGNIFICANT AT THE .05 PROBABILITY LEVEL (ONE-TAIL TEST)
** SIGNIFICANT AT THE .01 PROBABILITY LEVEL (ONE-TAIL TEST)

RESPONSE NUMBER 4 ADJ. KIDNEY LEAD

MEANS TABLES

SEX MEANS

MALE	FEMALE
7.9017	6.5450

STANDARD ERROR OF A MEAN = .8057
95% CONFIDENCE LIMITS = 1.6593
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS = 1.1436
LEAST SIGNIFICANT DIFFERENCE (LSD) = 2.3465

PB-LEVEL MEANS

0PPM	10PPM	50PPM	100PPM	500PPM
.5875	2.4000	4.2375	7.3750	21.5167

STANDARD ERROR OF A MEAN = 1.2786
95% CONFIDENCE LIMITS = 2.6235
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS = 1.8083
LEAST SIGNIFICANT DIFFERENCE (LSD) = 3.7102

SEX * PB-LEVEL INTERACTION

SEX PB-LEVEL

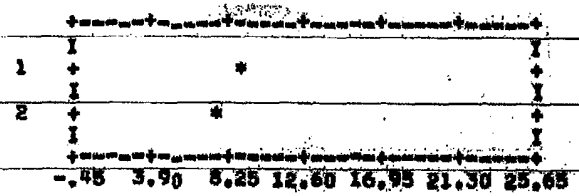
	0PPM	10PPM	50PPM	100PPM	500PPM
MALE	.2500	1.5750	5.4250	7.4250	24.8333
FEMALE	.9250	3.2250	3.0500	7.3250	18.2000
DIFFERENCES	-.6750	-1.6500	2.3750	.1000	6.6333

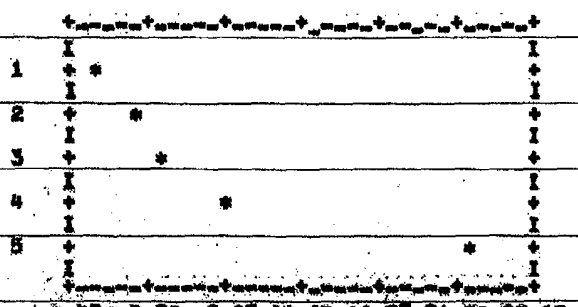
STANDARD ERROR OF A MEAN = 1.8083
95% CONFIDENCE LIMITS = 3.7102
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS = 2.5573
LEAST SIGNIFICANT DIFFERENCE (LSD) = 5.2470

SYMBOLS USED IN 2- AND 3-WAY MEANS PLOTS

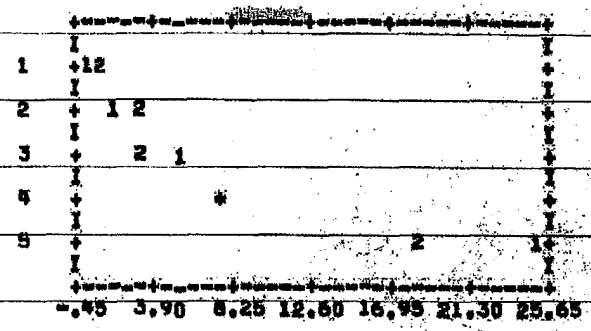
1 = LEVEL 1
2 = LEVEL 2
* = REPEATED SYMBOLS

SEX MEANS PB-LEVEL MEANS





PB-LEVEL * SEX



RESPONSE NUMBER 5 LOG LIVER LEAD

CELL IDENTIFICATION	CELL MEAN	CELL VARIANCE	CELL STANDARD DEVIATION	NUMBER OF OBSERVATIONS
1 1	37.1453	2650.1559	51.4797 *	4
1 2	83.8410	23.0586	4.8019	4
1 3	119.7099	578.1026	24.0438	4
1 4	129.3615	135.5852	11.6441	4
1 5	184.9500	515.2531	22.6992	3
2 1	87.5515	27.4414	5.2385	4
2 2	103.9479	22.1624	4.7077	4
2 3	113.7227	726.1190	26.9466	4
2 4	137.9605	127.7846	11.3042	4
2 5	184.5899	312.0647	17.6654	2

MEAN OF THE CELL MEANS = 118.27702

WITHIN CELL VARIANCE = 526.43702
WITHIN CELL STANDARD DEVIATION = 22.94422
HARMONIC MEAN OF CELL SIZE = 3.52941
COEFFICIENT OF VARIATION (STANDARD DEVIATION/GRAND MEAN) = .19399
VARIANCE OF A CELL MEAN = 149.10715
STANDARD ERROR OF A CELL MEAN = 12.21299

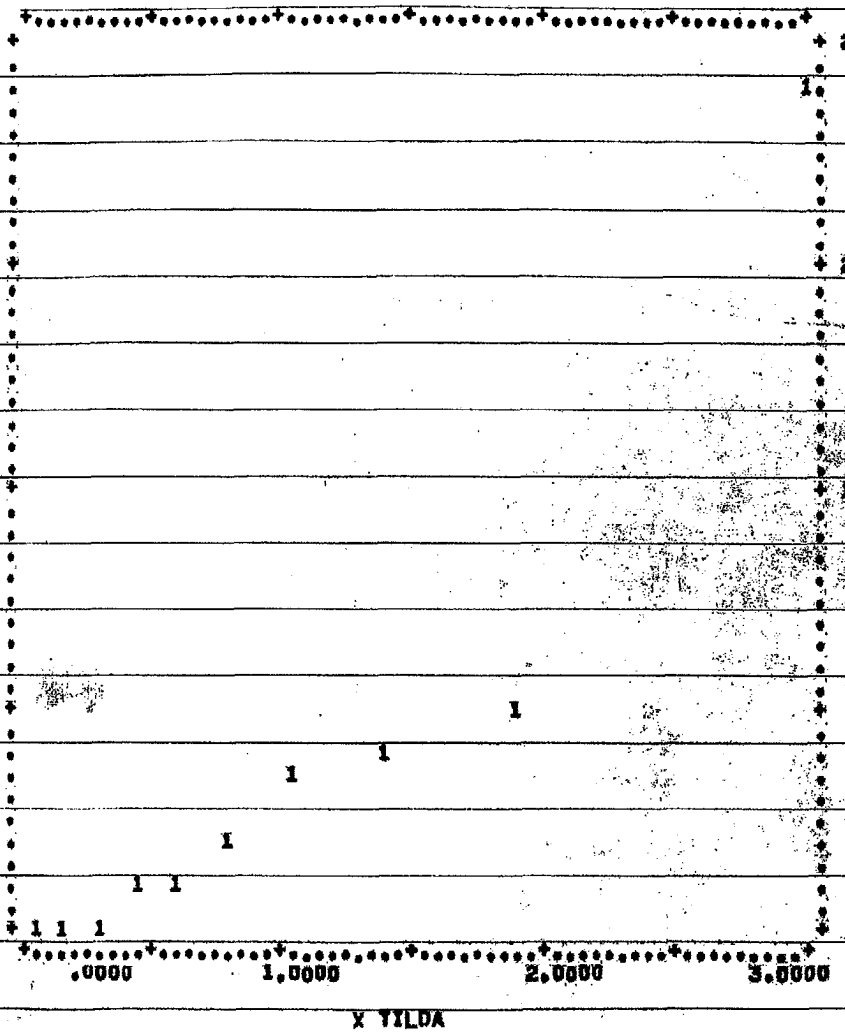
CONTROL LIMITS FOR THE STANDARD DEVIATION
UPPER CONTROL LIMIT = 40.90322
LOWER CONTROL LIMIT = .00000
# DENOTES STANDARD DEVIATION OUTSIDE OF LIMITS

TEST FOR HOMOGENEITY OF WITHIN CELL SAMPLE SIZES

CHI SQUARE = 1.11 (NOT SIGNIFICANT)

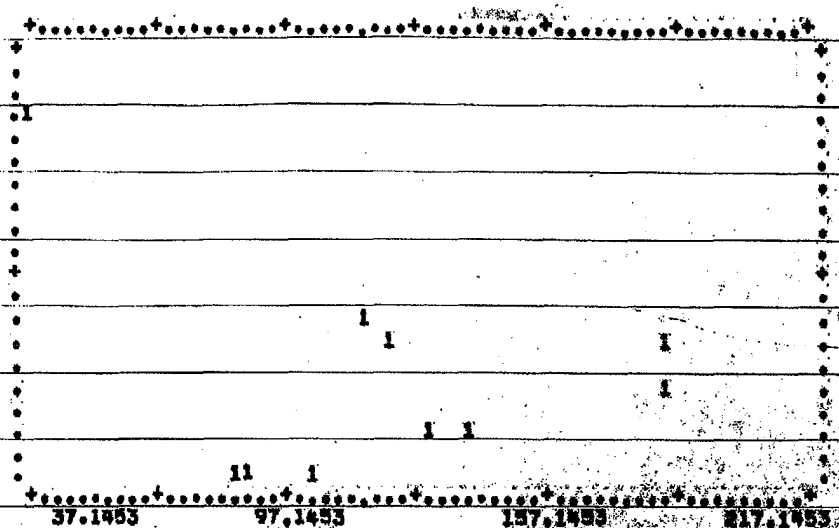
A SIGNIFICANT CHI SQUARE STATISTIC INDICATES THAT THE ACCURACY OF THE UNWEIGHTED ANALYSIS OF MEANS MAY BE QUESTIONED.

THE GAMMA PLOT

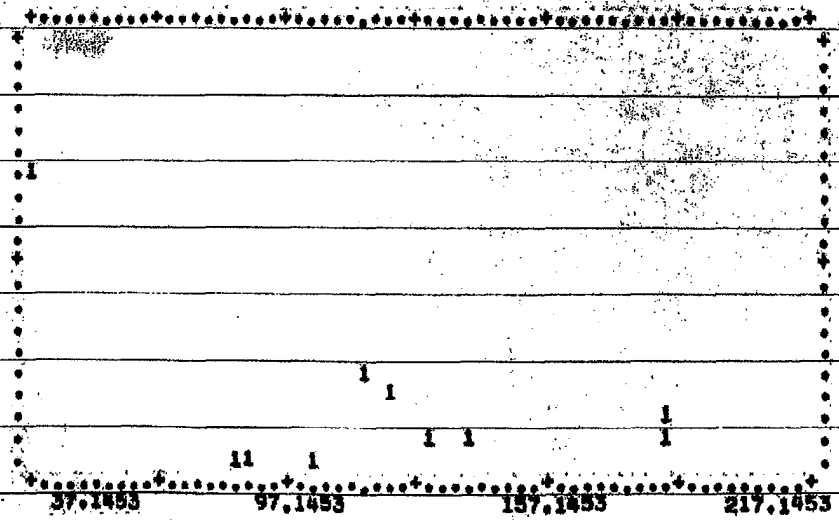


E(10)	=	2.0247	RESIDUAL FOR HIGHEST VALUE OF X TILDA
T FOR SLOPE	=	7.8678	STUDENTIZED SLOPE, Y=BX, (INTERCEPT=0)
T CRITICAL	=	2.2618	T FOR ALPHA=.05, N-1 DEGREES OF FREEDOM

PLOT OF CELL MEANS VRS STANDARD DEVIATIONS



PLOT OF CELL MEANS VRS VARIANCES



RESPONSE NUMBER 5 LOG LIVER LEAD UNWEIGHTED ANALYSIS OF CELL MEANS

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE
TOTAL	5	.18293+05	
A = SEX	1	.52961+03	529.61494
B = PB-LEVEL	4	.16766+05	4191.39050
AB	4	.99796+03	249.49094
REPLICATES	27		149.15718

* SIGNIFICANT AT THE .05 PROBABILITY LEVEL (ONE-TAIL TEST)
** SIGNIFICANT AT THE .01 PROBABILITY LEVEL (ONE-TAIL TEST)

RESPONSE NUMBER 5 LOG LIVER LEAD

MEANS TABLES

SEX MEANS

MALE	FEMALE
110.9996	125.5545

STANDARD ERROR OF A MEAN =	5.4618
95% CONFIDENCE LIMITS =	11.2066
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	7.7242
LEAST SIGNIFICANT DIFFERENCE (LSD) =	15.8486

PB-LEVEL MEANS

0PPM	10PPM	50PPM	100PPM	500PPM
62.3484	93.8945	116.7163	133.6560	184.7700

STANDARD ERROR OF A MEAN =	8.6359
95% CONFIDENCE LIMITS =	17.7192
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	12.2130
LEAST SIGNIFICANT DIFFERENCE (LSD) =	25.0588

SEX * PB-LEVEL INTERACTION

SEX PB-LEVEL

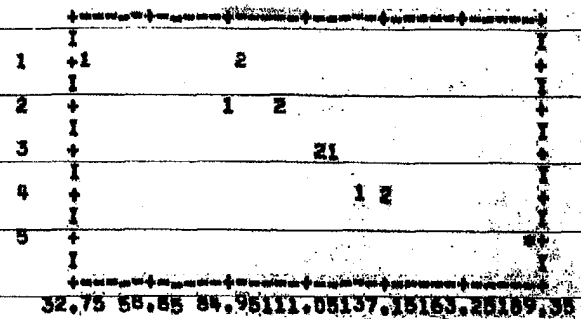
	0PPM	10PPM	50PPM	100PPM	500PPM
MALE	37.1453	83.6410	119.7099	129.3515	184.9500
FEMALE	87.5515	103.9479	113.7227	137.9605	184.5899
DIFFERENCES	-50.4061	-20.1069	5.9872	-8.6089	.3602

STANDARD ERROR OF A MEAN =	12.2130
95% CONFIDENCE LIMITS =	25.0588
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	17.2716
LEAST SIGNIFICANT DIFFERENCE (LSD) =	35.4385

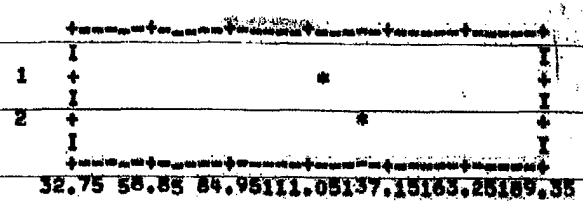
SYMBOLS USED IN 2- AND 3-WAY MEANS PLOTS

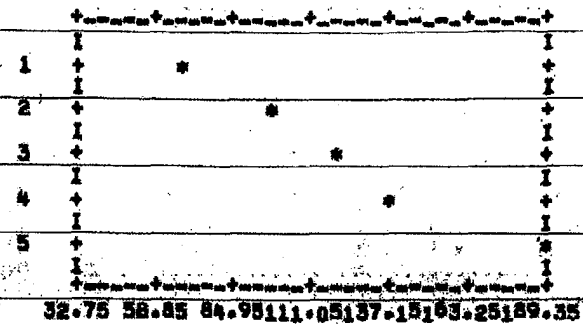
1 = LEVEL 1
2 = LEVEL 2
* = REPEATED SYMBOLS

PB-LEVEL * SEX



SEX MEANS PB-LEVEL MEANS





RESPONSE NUMBER 6 LOG BONE LEAD

CELL IDENTIFICATION	CELL MEAN	CELL VARIANCE	CELL STANDARD DEVIATION	NUMBER OF OBSERVATIONS
1 1	179.3822	1394.5960	37.3443	4
1 2	137.0760	236.7941	15.3881	4
1 3	95.6871	12799.6110	113.1354 *	4
1 4	174.4757	6795.7018	82.4360	4
1 5	221.5098	271.5884	16.4799	3
2 1	134.5838	1112.0120	33.3468	4
2 2	197.8543	100.1136	10.0057	4
2 3	196.2184	67.5023	8.2160	4
2 4	143.1363	3213.9416	56.6916	4
2 5	219.8196	74.8079	8.6492	2

MEAN OF THE CELL MEANS = 169.29405

WITHIN CELL VARIANCE =	2880.69620
WITHIN CELL STANDARD DEVIATION =	53.67212
HARMONIC MEAN OF CELL SIZE =	3.52941
COEFFICIENT OF VARIATION (STANDARD DEVIATION/GRAND MEAN) =	.31703
VARIANCE OF A CELL MEAN =	816.19725
STANDARD ERROR OF A CELL MEAN =	28.56917

CONTROL LIMITS FOR THE STANDARD DEVIATION

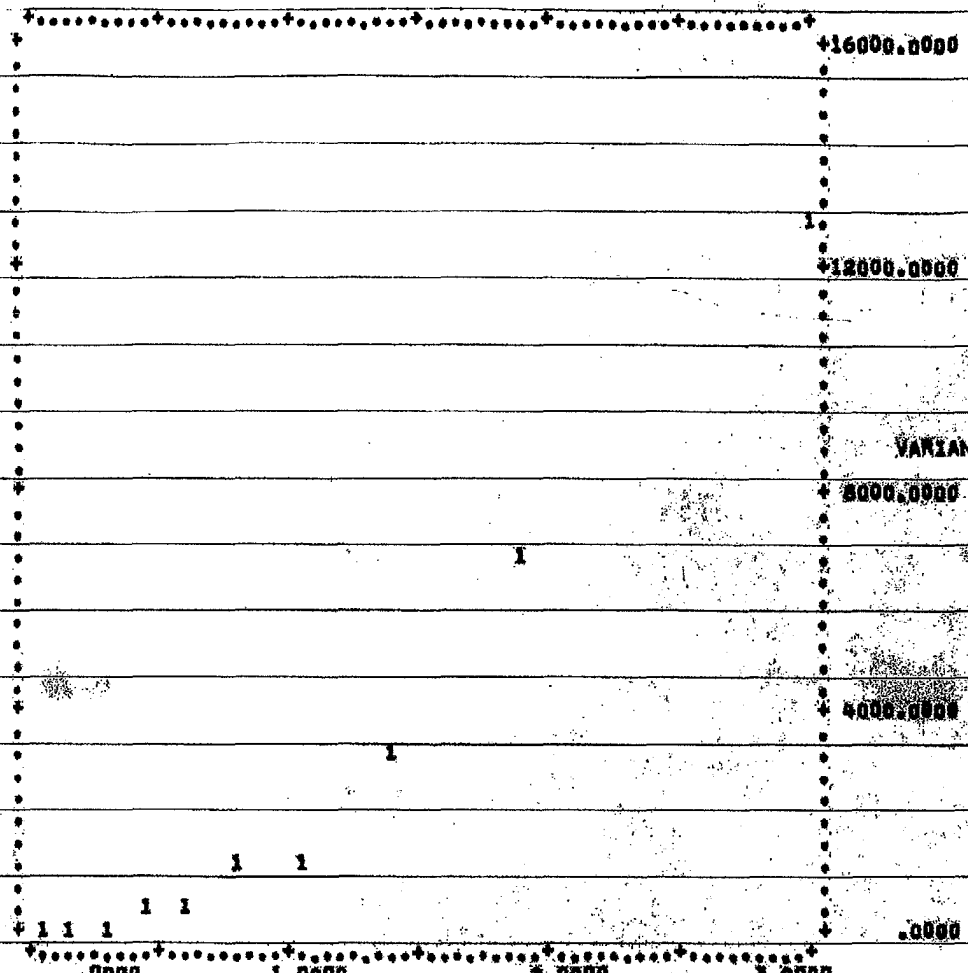
UPPER CONTROL LIMIT = 86.48088
LOWER CONTROL LIMIT = .00000
* DENOTES STANDARD DEVIATION OUTSIDE OF LIMITS

TEST FOR HOMOGENEITY OF WITHIN CELL SAMPLE SIZES

CHI SQUARE = 1.11 (NOT SIGNIFICANT)

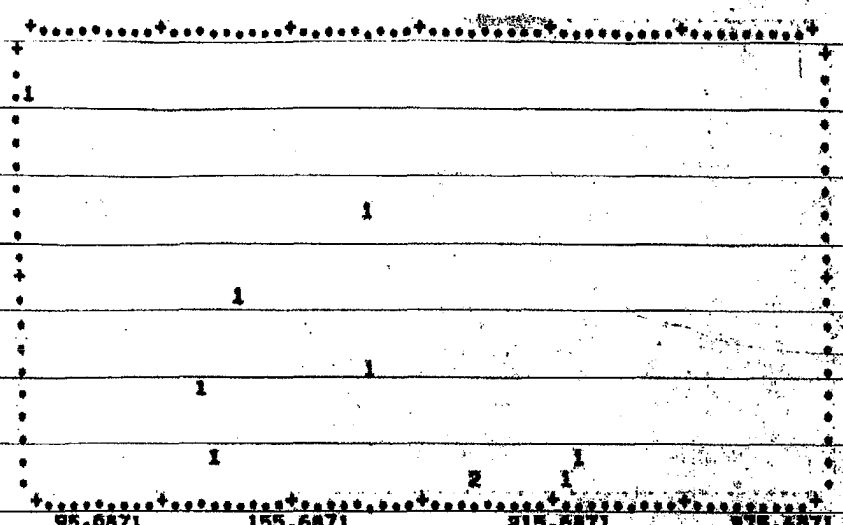
A SIGNIFICANT CHI SQUARE STATISTIC INDICATES THAT THE ACCURACY OF THE UNWEIGHTED ANALYSIS OF MEANS MAY BE QUESTIONED.

THE GAMMA PLOT

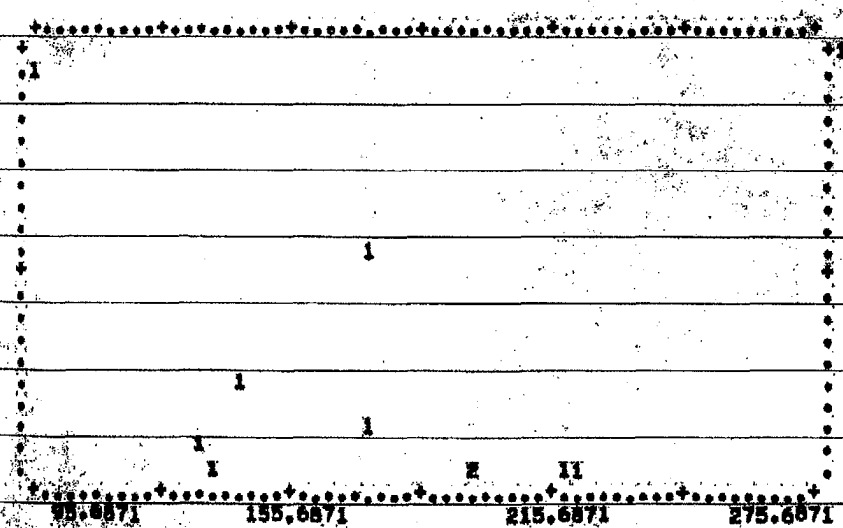


E(10) = 1.5662 RESIDUAL FOR HIGHEST VALUE OF X TILDA
T FOR SLOPE = 8.9978 STUDENTIZED SLOPE, Y=BX, (INTERCEPT=0)
T CRITICAL = 2.2618 T FOR ALPHA=.05, N-1 DEGREES OF FREEDOM

PLOT OF CELL MEANS VRS STANDARD DEVIATIONS



PLOT OF CELL MEANS VRS VARIANCES



RESPONSE NUMBER 6 LOG BONE LEAD UNWEIGHTED ANALYSIS OF CELL MEANS

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE
TOTAL	9	.15188+05	
A = SEX	1	.70640+03	706.40138
B = PB-LEVEL	4	.70717+04	1767.92192
AB	4	.73303+04	1832.58748
REPLICATES	27		816.19725

* SIGNIFICANT AT THE .05 PROBABILITY LEVEL (ONE-TAIL TEST)
** SIGNIFICANT AT THE .01 PROBABILITY LEVEL (ONE-TAIL TEST)

RESPONSE NUMBER 6 LOG BONE LEAD

MEANS TABLES

SEX MEANS

MALE	FEMALE
160.4262	178.1620

STANDARD ERROR OF A MEAN =	12.7765
95% CONFIDENCE LIMITS =	26.2150
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	18.0687
LEAST SIGNIFICANT DIFFERENCE (LSD) =	37.0737

PB-LEVEL MEANS

0PPM	10PPM	50PPM	100PPM	500PPM
153.8829	167.1652	145.9517	158.8060	220.6447

STANDARD ERROR OF A MEAN =	20.2015
95% CONFIDENCE LIMITS =	41.4496
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	28.5692
LEAST SIGNIFICANT DIFFERENCE (LSD) =	58.6186

SEX * PB-LEVEL INTERACTION

SEX PB-LEVEL

	0PPM	10PPM	50PPM	100PPM	500PPM
MALE	173.3822	137.0760	95.6871	174.4757	221.5098
FEMALE	134.3835	197.2543	196.2164	143.1363	219.8196
DIFFERENCES	38.9988	-60.1783	-100.5293	31.3395	1.6902

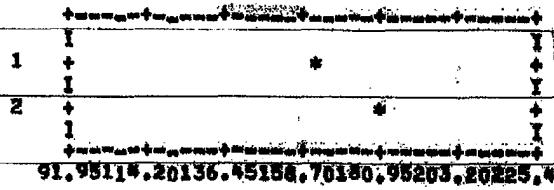
STANDARD ERROR OF A MEAN =	28.5692
95% CONFIDENCE LIMITS =	58.6186
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	40.4029
LEAST SIGNIFICANT DIFFERENCE (LSD) =	82.8993

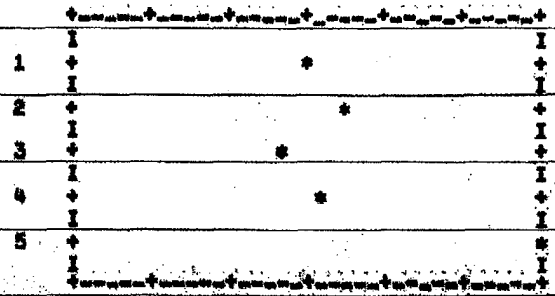
SYMBOLS USED IN 2- AND 3-WAY MEANS PLOTS

1 = LEVEL 1
2 = LEVEL 2
* = REPEATED SYMBOLS

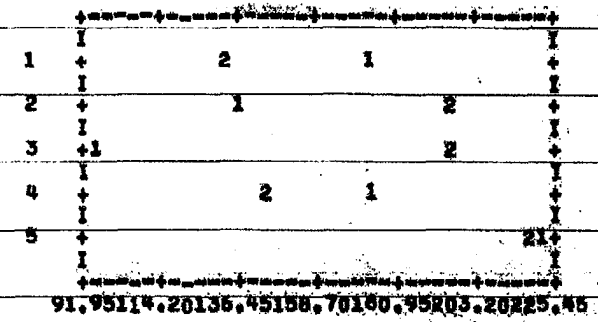
2-YEAR LEAD-FEEDING STUDY - DOGS LEAD DATA (Y34-Y37,ADJUSTED) RUN II PAGE 53

SEX MEANS PB-LEVEL MEANS





PB-LEVEL * SEX



RESPONSE NUMBER 7 LOG BRAIN LEAD

CELL IDENTIFICATION	CELL MEAN	CELL VARIANCE	CELL STANDARD DEVIATION	NUMBER OF OBSERVATIONS
1 1	43.5956	1286.2988	35.8650 *	4
1 2	57.0087	11.9922	3.4630	4
1 3	37.8196	56.6267	7.5252	4
1 4	-12.2364	395.8905	19.8970	4
1 5	46.3786	412.8750	20.3193	3
2 1	65.3159	.6212	.7881	4
2 2	62.0386	3.1130	1.7644	4
2 3	50.5425	75.4498	8.6862	4
2 4	48.9318	23.7000	4.8683	4
2 5	43.1066	5.1794	2.2758	2

MEAN OF THE CELL MEANS = 44.22016

WITHIN CELL VARIANCE =	236.74117
WITHIN CELL STANDARD DEVIATION =	15.38640
HARMONIC MEAN OF CELL SIZE =	3.52941
COEFFICIENT OF VARIATION (STANDARD DEVIATION/GRAND MEAN) =	.34795
VARIANCE OF A CELL MEAN =	67.07667
STANDARD ERROR OF A CELL MEAN =	8.19003

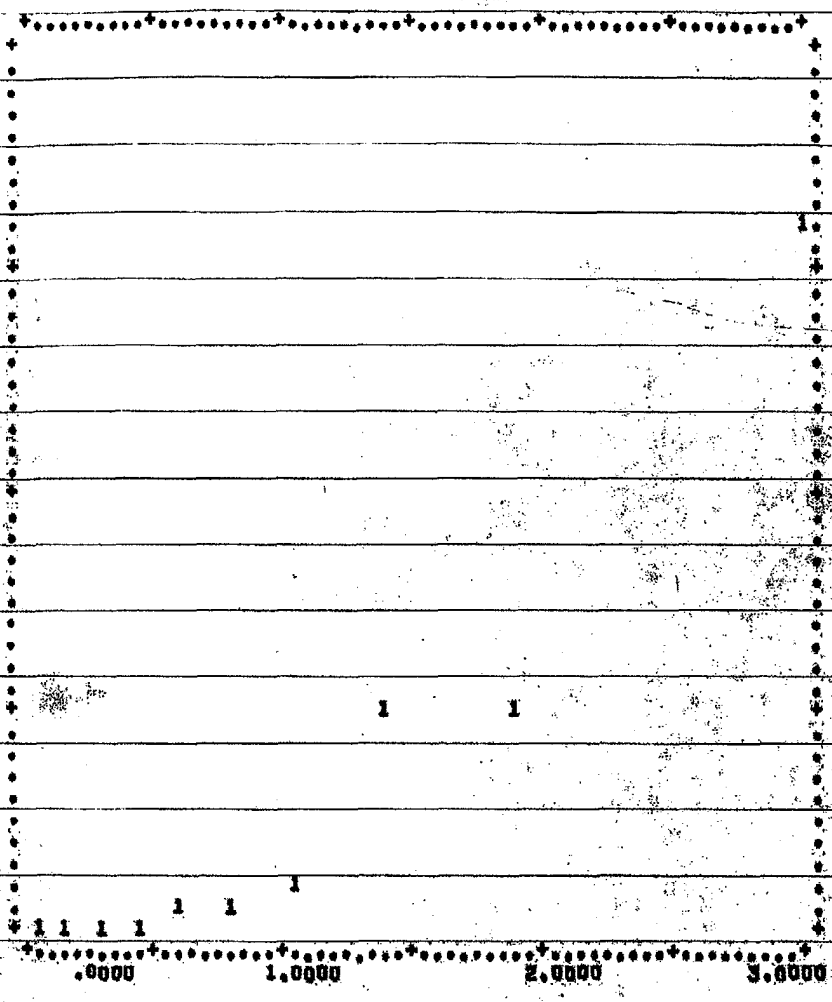
CONTROL LIMITS FOR THE STANDARD DEVIATION
UPPER CONTROL LIMIT = 23.89252
LOWER CONTROL LIMIT = .00000
* DENOTES STANDARD DEVIATION OUTSIDE OF LIMITS

TEST FOR HOMOGENEITY OF WITHIN CELL SAMPLE SIZES

CHI SQUARE = 1.11 (NOT SIGNIFICANT)

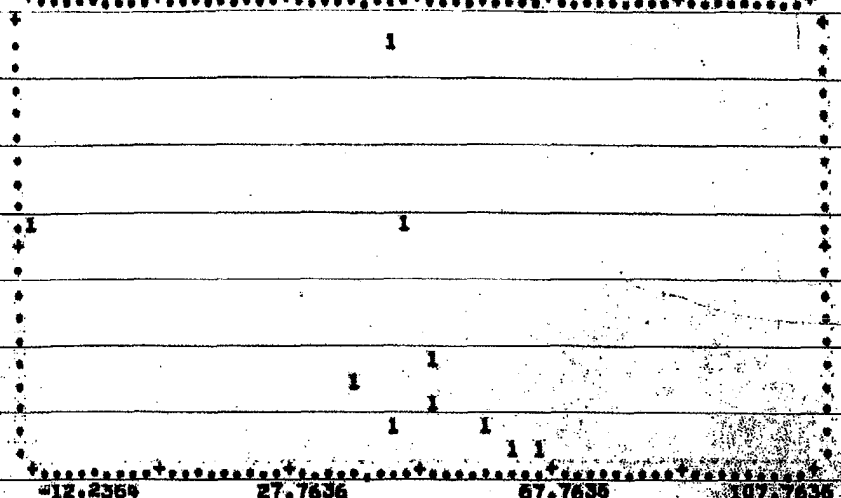
A SIGNIFICANT CHI SQUARE STATISTIC INDICATES THAT THE ACCURACY OF THE UNWEIGHTED ANALYSIS OF MEANS MAY BE QUESTIONED.

THE GAMMA PLOT

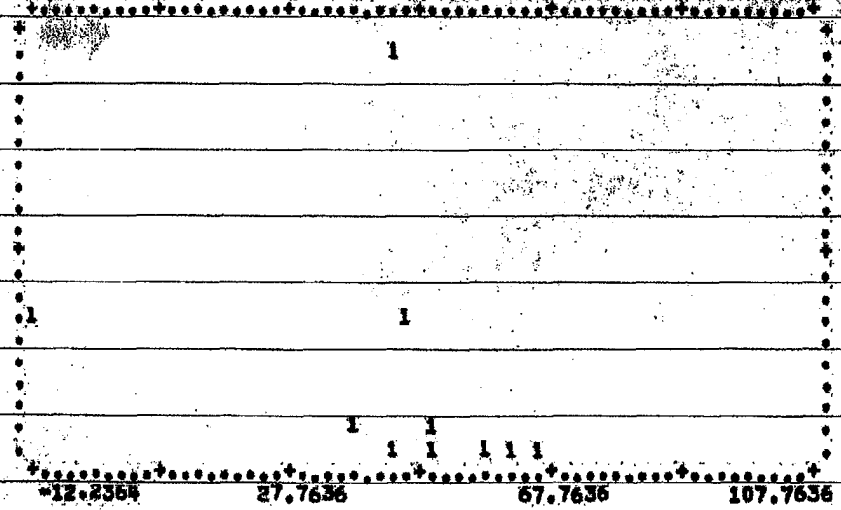


E(10)	=	1.8413	RESIDUAL FOR HIGHEST VALUE OF X TILDA
T FOR SLOPE	=	6.9644	STUDENTIZED SLOPE, Y=BX, (INTERCEPT=0)
T CRITICAL	=	2.2618	T FOR ALPHA=.05, N-1 DEGREES OF FREEDOM

PLOT OF CELL MEANS VRS STANDARD DEVIATIONS



PLOT OF CELL MEANS VRS VARIANCES



RESPONSE NUMBER 7 LOG BRAIN LEAD UNWEIGHTED ANALYSIS OF CELL MEANS

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE	F RATIO
TOTAL	9	4226.77313		
A = SEX	1	953.92788	953.92788	14.22 **
B = PB-LEVEL	4	2017.31155	504.32789	7.52 **
AB	4	1255.53380	313.88345	4.68 **
REPLICATES	27		67.07667	

* SIGNIFICANT AT THE .05 PROBABILITY LEVEL (ONE-TAIL TEST)
** SIGNIFICANT AT THE .01 PROBABILITY LEVEL (ONE-TAIL TEST)

RESPONSE NUMBER 7 LOG BRAIN LEAD

MEANS TABLES

SEX MEANS

MALE	FEMALE
34.4532	53.9871

STANDARD ERROR OF A MEAN =	3.6627
95% CONFIDENCE LIMITS =	7.5152
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	5.1798
LEAST SIGNIFICANT DIFFERENCE (LSD) =	10.6281

PB-LEVEL MEANS

0PPM	10PPM	50PPM	100PPM	500PPM
54.4557	59.5237	44.0310	18.3477	48.7526

STANDARD ERROR OF A MEAN =	5.7912
95% CONFIDENCE LIMITS =	11.8825
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	8.1900
LEAST SIGNIFICANT DIFFERENCE (LSD) =	16.8044

SEX * PB-LEVEL INTERACTION

SEX PB-LEVEL

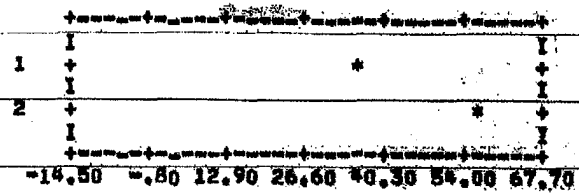
	0PPM	10PPM	50PPM	100PPM	500PPM
MALE	43.5956	57.0087	37.8196	-12.2364	46.3786
FEMALE	65.3159	62.0386	50.2425	48.9318	43.1066
DIFFERENCES	-21.7203	-5.0299	-13.0228	-61.1682	3.2721

STANDARD ERROR OF A MEAN =	8.1900
95% CONFIDENCE LIMITS =	16.8044
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	11.5825
LEAST SIGNIFICANT DIFFERENCE (LSD) =	23.7651

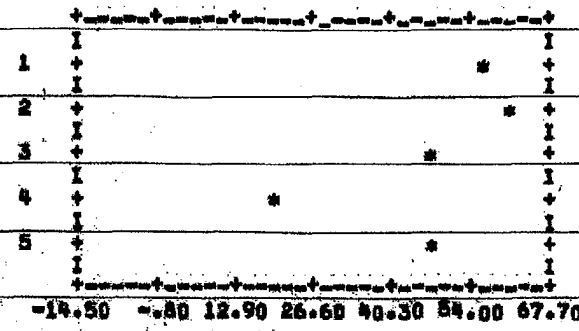
SYMBOLS USED IN 2- AND 3-WAY MEANS PLOTS

1 = LEVEL 1
2 = LEVEL 2
* = REPEATED SYMBOLS

SEX MEANS



PB-LEVEL MEANS



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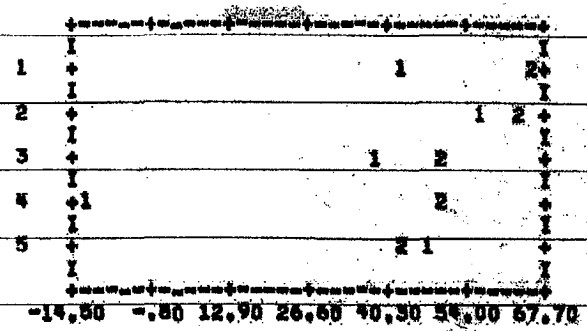
PB-LEVEL * SEX



RESPONSE NUMBER 8 LOG KIDNEY LEAD

CELL IDENTIFICATION	CELL MEAN	CELL VARIANCE	CELL STANDARD DEVIATION	NUMBER OF OBSERVATIONS
1 1	44.2460	1063.3573	32.6092 *	4
1 2	64.8048	157.2970	12.5418	4
1 3	85.9169	726.8004	26.9592	4
1 4	100.9884	97.8664	9.8927	4
1 5	143.2287	155.4567	12.4682	3
2 1	59.1523	26.2349	5.1220	4
2 2	78.4036	117.3780	10.8340	4
2 3	76.1336	225.4341	15.0145	4
2 4	100.8058	67.8829	8.2391	4
2 5	132.2788	61.8865	7.8649	2

MEAN OF THE CELL MEANS = 88.59586

WITHIN CELL VARIANCE = 289.61162
WITHIN CELL STANDARD DEVIATION = 17.01798
HARMONIC MEAN OF CELL SIZE = 3.529841
COEFFICIENT OF VARIATION (STANDARD DEVIATION/GRAND MEAN) = .19209
VARIANCE OF A CELL MEAN = 82.05663
STANDARD ERROR OF A CELL MEAN = 9.05851

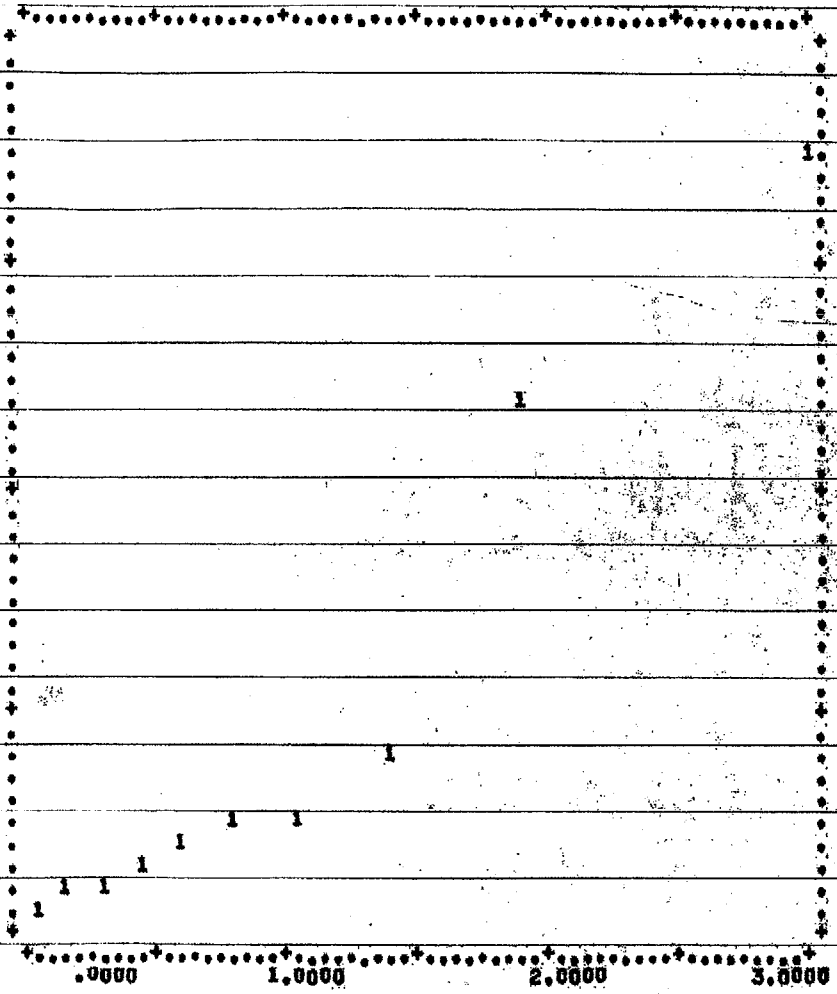
CONTROL LIMITS FOR THE STANDARD DEVIATION
UPPER CONTROL LIMIT = 32.07024
LOWER CONTROL LIMIT = .00000
* DENOTES STANDARD DEVIATION OUTSIDE OF LIMITS

TEST FOR HOMOGENEITY OF WITHIN CELL SAMPLE SIZES

CHI SQUARE = 1.11 (NOT SIGNIFICANT)

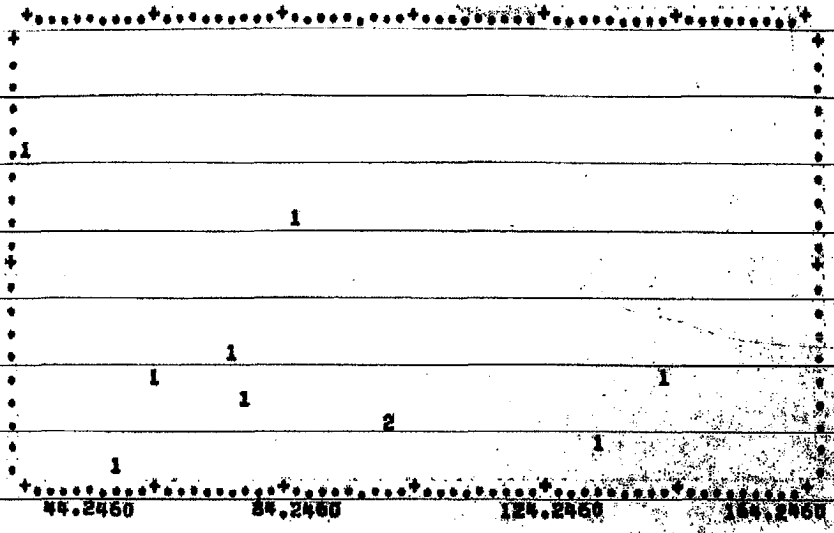
A SIGNIFICANT CHI SQUARE STATISTIC INDICATES THAT THE ACCURACY OF THE UNWEIGHTED ANALYSIS OF MEANS MAY BE QUESTIONED.

THE GAMMA PLOT

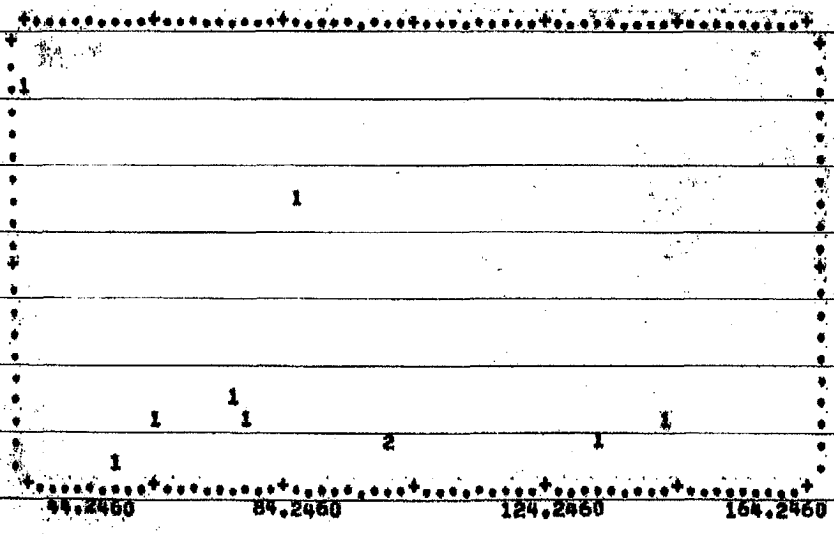


E(10)	=	1.0502	RESIDUAL FOR HIGHEST VALUE OF X TILDA
T FOR SLOPE	=	11.0053	STUDENTIZED SLOPE, Y=BX, (INTERCEPT=0)
T CRITICAL	=	2.2618	T FOR ALPHA=.05, N-1 DEGREES OF FREEDOM

PLOT OF CELL MEANS VRS STANDARD DEVIATIONS



PLOT OF CELL MEANS VRS VARIANCES



RESPONSE NUMBER 8 LOG KIDNEY LEAD UNWEIGHTED ANALYSIS OF CELL MEANS

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE
TOTAL	9	8861.79602	
A = SEX	1	5.75947	5.75947
B = PB-LEVEL	4	8550.40588	2137.60147
AB	4	305.63103	76.40776
REPLICATES	27		82.05663

* SIGNIFICANT AT THE .05 PROBABILITY LEVEL (ONE-TAIL TEST)
** SIGNIFICANT AT THE .01 PROBABILITY LEVEL (ONE-TAIL TEST)

RESPONSE NUMBER 8 LOG KIDNEY LEAD

MEANS TABLES

SEX MEANS

MALE	FEMALE
87.8369	89.3548

STANDARD ERROR OF A MEAN =	4.0511
95% CONFIDENCE LIMITS =	8.3121
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	5.7291
LEAST SIGNIFICANT DIFFERENCE (LSD) =	11.7551

PB-LEVEL MEANS

0PPM	10PPM	50PPM	100PPM	500PPM
51.6992	71.6042	81.0252	100.8971	137.7536

STANDARD ERROR OF A MEAN =	6.4053
95% CONFIDENCE LIMITS =	13.1426
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	9.0585
LEAST SIGNIFICANT DIFFERENCE (LSD) =	18.5864

SEX * PB-LEVEL INTERACTION

SEX PB-LEVEL

	0PPM	10PPM	50PPM	100PPM	500PPM
MALE	44.2460	64.8048	85.9169	100.9884	143.2287
FEMALE	59.1523	78.4036	76.1336	100.8058	132.2785
DIFFERENCES	-14.9063	-13.5989	9.7833	.1825	10.9503

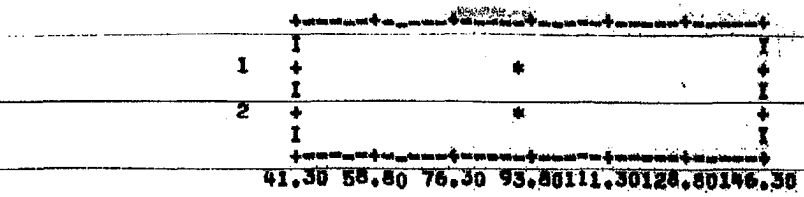
STANDARD ERROR OF A MEAN =	9.0585
95% CONFIDENCE LIMITS =	18.5864
STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =	12.8107
LEAST SIGNIFICANT DIFFERENCE (LSD) =	26.2851

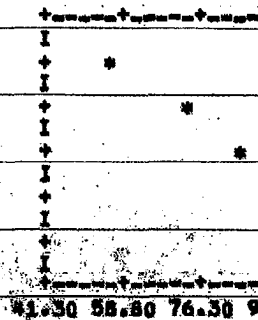
SYMBOLS USED IN 2- AND 3-WAY MEANS PLOTS

1 = LEVEL 1
2 = LEVEL 2
* = REPEATED SYMBOLS

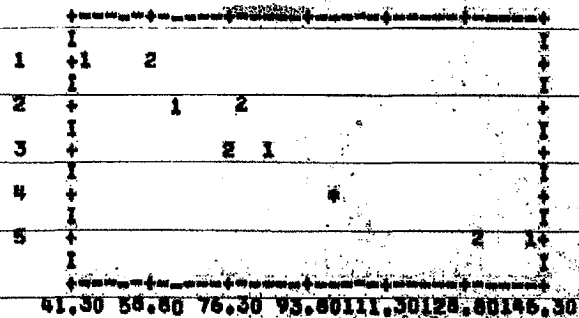
2-YEAR LEAD-FEEDING STUDY - DOGS LEAD DATA (Y34-Y37,ADJUSTED) RUN II PAGE 69

SEX MEANS PB-LEVEL MEANS

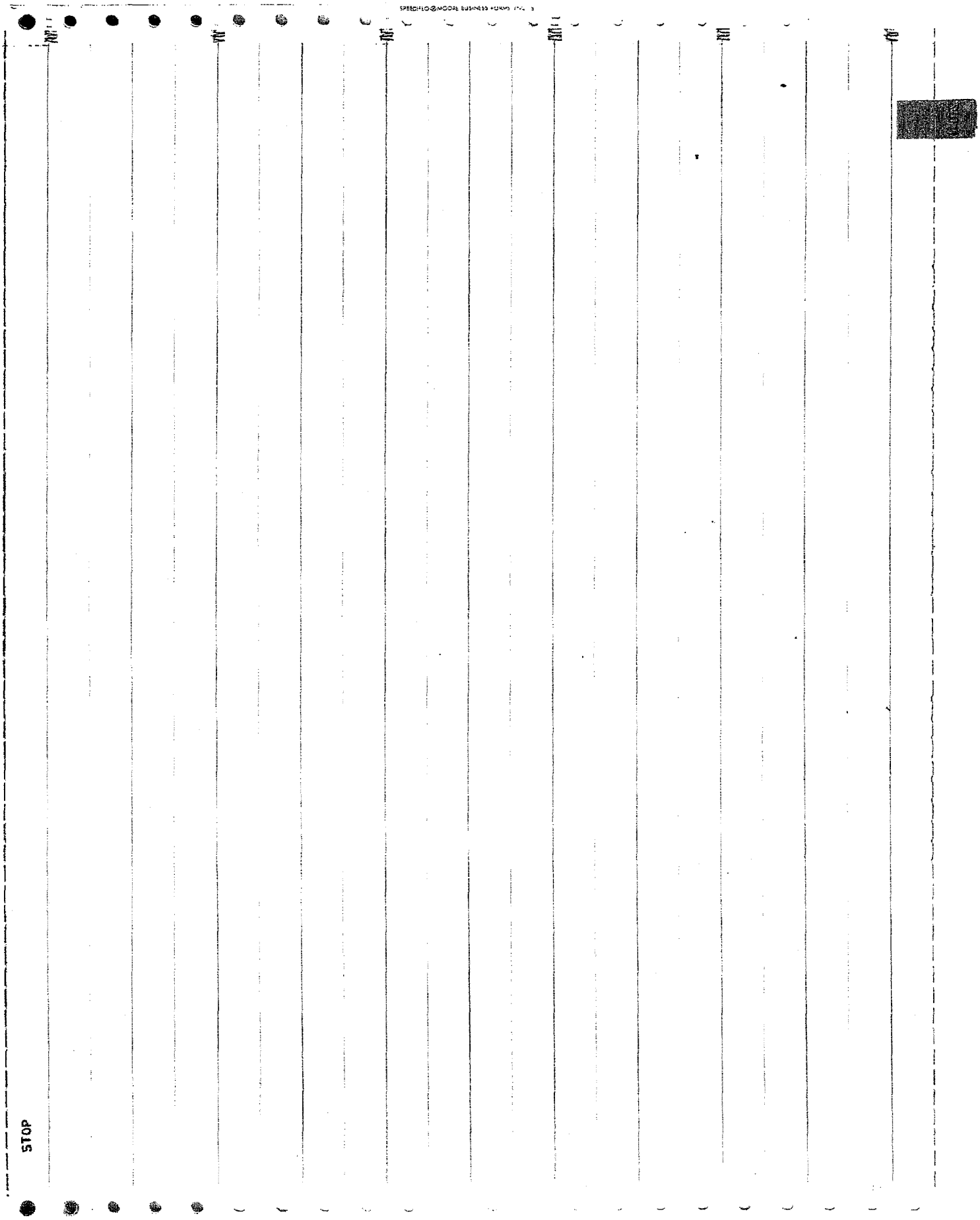




PB-LEVEL * SEX



******ENDRUN ******


STOP

LOG NO 05542 DATE 090372 PAGE 77

DATE 09 MAR 72 PRIORITY D MAN/SEC 01698 /55800 CARDS IN 809 MAX PAGES 300 END TIME 13:54:55 MAX TIME 00:05:00

IDENT ACUFF/SNEE LEAD FE CHARGE J6464 / CARDS OUT 0 PAGES 77 START TIME 13:54:31 BILLED TIME 00:00:22