

7. Letters

October 23, 1963

Mr. Dan Brown
Brain Research Institute
U.C.L.A., C-Floor
Los Angeles 24, California

Dear Dan:

First, let me take this opportunity to thank you for your patience and consideration during my visit to Los Angeles. Since that visit I have updated our program so that we do the hanning as part of the initial power spectrum analysis with a cut-off at 95% of the energy. This program now runs well.

I have also checked the relation between sample size, sampling rate and a number of lags, against a cal signal and believe I have a better picture of the power spectrum analysis.

Following your suggestion, I determined the values of B and T for a pentothal drug record and enclose a copy of the relevant numbers. The time column indicates number of seconds during the administration of pentothal intravenously in a psychotic subject. The post-drug value is approximately 5 minutes after the injection ended. If you wish to use this data for any presentation, please feel free, and if you wish any further information regarding the case, I shall be glad to send it to you.

In the customary fashion of the American research game, I should like to formally thank you for the time and I am taking the liberty of enclosing a consultant's fee. Please accept this with my thanks.

Good luck on your analyses of the Kellaway data. My best regards.

Sincerely yours,

Max Fink, M. D.
Director

MF:aw
enc. 2

SALGADO DATA - Pentothal Administration

Time	P(1)	Mx PWR	Mx Volt	B	T
Pre-Drug	32428	7799	667	4.16	.073
+ 30 sec.	33792	6306	599	5.36	.094
+ 57 sec	39358	6319	529	6.23	.140
+ 80 "	64097	8214	693	9.25 24.8.9 7.95	.133
+ 100 "	69422	4456	838	15.58	.099
+ 140 "	172702	31156	948	5.54	.192
+ 170 "	61429	4179	999	14.69	.062
+ 200 "	71412	9057	773	7.88	.119
+ 240	43972	4922	548	8.93	.146
Post-Drug	14138	377	420	37.5	.080

P(1) = CKSUM = INITIAL VAL COVAR.

Mx PWR = Highest value of PWR Spectrum.

Mx Volt = " " " data point in sample

$$B = P(1) / Mx PWR$$

$$T = P(1) / (Mx Volt)^2$$

$$B = \text{cksum} (P(1)) / \text{Max Pwr val}$$

$$T = \text{cksum} / (\text{max volt})^2$$

F. Section 1

	<u>cksum</u>	<u>Pwr Max</u>	<u>Volt Max</u>	B	T
<u>Pre.</u>	32428	7799 (11.29)	667.	4.16	.07
+30	33792	6306 (11.29)	599	5.36	.09
+57	39358	6319 (11.29)	529	6.11	.14
+80	64097	8214 (9.67)	693	7.95	.13
+100	69422	4456 (8.06)	838	15.57	.09
+140	172702.	31,156 (4.83)	948	5.54	.19
+170	61,429	4179 (4.83)	999	14.69	.06
+200	71412	9057 (6.45)	773	7.88	.11
+240	43972	4922 (9.67)	548	8.93	.15
<u>Post.</u>	14138	377 (1.61)	420	37.5	.08

~~693~~ | ~~64097.~~ ^{92.5}
~~6239~~
 1727
 1386
 3410

8214 | ~~64097~~ ^{7.9}
~~65712~~

##JOB 5

##FORX52

0001 + 0000 ERROR 28
0004 + 0000 ERROR 25
END OF JOB

##JOB 5

##FORX52

0004 + 0000 ERROR 25
END OF JOB

##JOB 5

##FORX52

10622 CORES USED
39999 NEXT COMMON
END OF COMPILATION
EXECUTION

Salgado
Max I use

*DATA

1		66.700000E+01	Pre
1	2	59.900000E+01	+30
1	3	52.900000E+01	+57
1	4	69.300000E+01	+100
1	5	83.800000E+01	+140
1	6	94.800000E+01	+170
1	7	99.900000E+01	+200
1	8	77.300000E+01	+240
1	9	54.800000E+01	+270
1	10	42.000000E+01	Post

##DUPRS

10/27/63

ENTER DUP CNTRL REC.
*DDUMP CL 00000000012RS

ENTER MONITOR CNTL REC.

16000100000RS

32428	7799	667	RS
32428	7799	667	RS
001	4.1579689	7.2890099E-02	
33792	6306	599	RS
002	5.3587059	9.4180360E-02	
39358	6319	529	RS
003	6.2285171	.14064413	
64097	8214	693	RS
64097	8214	693	RS
004	2448.8759 ^{7.95}	.13346618	
69422	4456	838	RS
005	15.579443	9.8857398E-02	
172702	31156	948	RS
006	5.5431377	.19216783	
61429	4179	999	RS
007	14.699449	6.1552078E-02	
71412	9057	773	RS
008	7.8847300	.11951220	
43972	4922	548	RS
009	8.9337667	.14642504	
14138	377	420	RS
000	37.501326	8.0147428E-02	

CRsum
Index

Max Pur Vel
B

Max Solt.
T