2694-1
#105

BASE-LINE

1 st Half, 1989

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR
JAN-FEB, MAR-APR, MAY-JUN, 1989)

Project 2694-1

Report One-Hundred Five

A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
OF THE
AMERICAN PAPER INSTITUTE

September 1, 1989

MAC MILLAN BLOEDEL
Your machine is identified
in this report by the
following code.

Pine Hill Machine #1 Y3

BASE-LINE
1st HALF, 1989

THE INSTITUTE OF PAPER SCIENCE AND TECHNOLOGY

Atlanta, Georgia

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JAN-FEB, MAR-APR, MAY-JUN, 1989)

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THE INSTITUTE OF PAPER SCIENCE AND TECHNOLOGY

Atlanta, Georgia

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JAN-FEB, MAR-APR, MAY-JUN, 1989)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA (JAN-JUN, 1989)

Linerboard Grade Wt.		Moisture Content,% JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	7.0	6.9	6.6
	Min.	4.3	3.7	3.4
	Ave.	5.5(16)	5.4(16)	5.4(16)
33 Lb	Max.	7.2	7.0	6.8
	Min.	4.2	4.2	4.0
	Ave.	5.6(29)	5.6(25)	5.7(24)
38 Lb	Max.	6.6	6.7	6.7
	Min.	4.9	5.0	4.9
	Ave.	5.8(21)	5.6(19)	5.8(17)
42 Lb	Max.	7.1	7.0	6.9
	Min.	4.8	4.9	4.9
	Ave.	5.9(43)	5.9(40)	5.9(40)
69 Lb	Max.	7.5	7.6	7.6
	Min.	5.2	5.2	5.3
	Ave.	6.2(30)	6.4(27)	6.3(26)
90 Lb	Max.	8.3	6.3	8.5
	Min.	5.6	5.9	5.8
	Ave.	6.5(13)	6.7(13)	6.7(11)

Max and Min. values are current machine averages.
Av. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (JAN-JUN, 1989)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M sq ft JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	28.1	27.6	28.1
	Min.	25.3	25.3	25.6
	Ave.	26.4(16)	26.3(17)	26.4(17)
33 Lb	Max.	35.1	34.5	34.5
	Min.	32.7	32.5	32.4
	Ave.	33.4(29)	33.4(27)	33.3(26)
38 Lb	Max.	41.4	40.3	40.8
	Min.	35.8	37.5	37.7
	Ave.	38.4(21)	38.4(20)	38.5(18)
42 Lb	Max.	43.4	43.6	43.4
	Min.	41.6	41.3	41.5
	Ave.	42.3(43)	42.4(41)	42.3(41)
69 Lb	Max.	70.9	70.9	70.9
	Min.	68.4	68.3	68.1
	Ave.	69.4(30)	69.4(28)	69.4(27)
90 Lb	Max.	91.9	92.0	92.1
	Min.	90.1	89.6	89.9
	Ave.	90.6(13)	90.7(13)	90.6(11)

Max. and Min. values are current machine averages.
Av. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA (JAN-JUN, 1989)

Linerboard Grade Wt.		Caliper, mil JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	8.3	8.7	8.5
	Min.	6.9	6.9	6.9
	Ave.	7.6(16)	7.6(17)	7.6(17)
33 Lb	Max.	10.5	10.9	10.7
	Min.	8.6	8.7	8.4
	Ave.	9.6(29)	9.5(27)	9.6(26)
38 Lb	Max.	11.7	11.6	11.6
	Min.	9.8	9.6	9.8
	Ave.	10.7(20)	10.8(20)	10.7(18)
42 Lb	Max.	12.9	12.9	12.8
	Min.	10.5	10.5	10.7
	Ave.	11.8(43)	11.8(41)	11.7(40)
69 Lb	Max.	20.5	20.5	20.3
	Min.	17.0	16.9	17.0
	Ave.	19.1(30)	19.0(28)	18.9(27)
90 Lb	Max.	26.6	27.4	26.7
	Min.	22.1	22.8	22.7
	Ave.	24.9(13)	24.9(13)	24.8(11)

Max. and Min. values are current machine averages.
Av. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA (JAN-JUN, 1989)

Linerboard Grade Wt.		Bursting Strength, psig JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	89	86	89
	Min.	67	66	67
	Ave.	74(16)	75(17)	74(17)
33 Lb	Max.	106	104	104
	Min.	77	81	76
	Ave.	87(29)	88(27)	88(26)
36 Lb	Max.	118	125	110
	Min.	92	86	89
	Ave.	100(21)	100(20)	98(18)
42 Lb	Max.	130	124	125
	Min.	101	99	101
	Ave.	106(43)	107(41)	107(41)
69 Lb	Max.	178	212	184
	Min.	131	131	126
	Ave.	147(30)	149(28)	147(27)
90 Lb	Max.	199	194	204
	Min.	154	152	146
	Ave.	178(13)	177(13)	177(11)

Max. and Min. values are current machine averages.
Av. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART V: SUMMARY OF CD RING CRUSH DATA (JAN-JUN, 1989)

Linerboard Grade Wt.		CD Ring Crush, lb JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	54.0	52.5	49.0
	Min.	31.9	30.0	26.5
	Ave.	41.3(10)	41.1(10)	39.5(10)
33 Lb	Max.	78.0	76.0	73.0
	Min.	44.0	46.0	45.0
	Ave.	57.2(18)	57.8(16)	57.6(15)
38 Lb	Max.	85.4	81.7	81.0
	Min.	56.0	56.4	55.6
	Ave.	70.2(15)	69.2(15)	66.9(16)
42 Lb	Max.	93.8	102.5	99.3
	Min.	64.0	65.0	61.0
	Ave.	79.6(25)	80.4(21)	79.1(21)
69 Lb	Max.	158.0	167.0	147.1
	Min.	101.0	110.0	111.0
	Ave.	123.4(17)	129.4(14)	123.1(16)
90 Lb	Max.	194.1	197.2	198.9
	Min.	135.0	141.0	148.0
	Ave.	167.5(7)	164.7(7)	171.9(7)

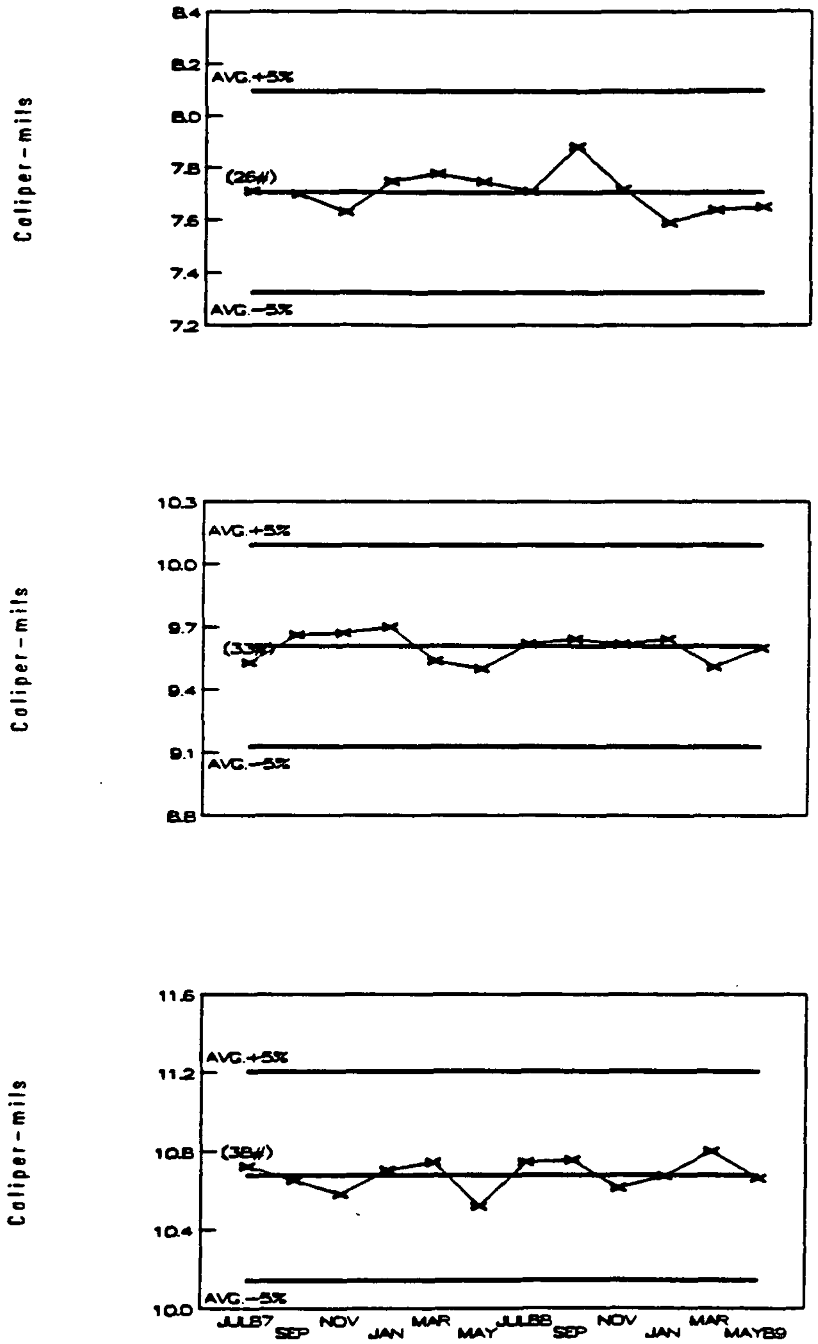
Max. and Min. values are current machine averages.
Av. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART VI: SUMMARY OF CD STFI DATA (JAN-JUN, 1989)

Linerboard Grade Wt.		CD STFI, Lb/in JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	14.9	15.5	15.3
	Min.	9.8	10.5	10.2
	Ave.	13.1(6)	13.0(8)	12.8(8)
33 Lb	Max.	18.3	18.5	18.0
	Min.	12.2	13.6	12.5
	Ave.	15.7(13)	16.4(13)	15.8(13)
38 Lb	Max.	21.0	21.0	20.9
	Min.	18.4	17.1	17.5
	Ave.	19.4(9)	18.9(8)	19.0(7)
42 Lb	Max.	23.9	23.6	24.0
	Min.	16.6	16.9	17.9
	Ave.	20.3(22)	20.1(22)	20.4(22)
69 Lb	Max.	35.9	34.0	34.4
	Min.	24.2	25.5	28.6
	Ave.	31.2(15)	30.6(15)	31.9(12)
90 Lb	Max.	44.2	43.0	44.3
	Min.	36.0	39.0	41.5
	Ave.	41.1(5)	41.1(5)	43.0(4)

Max. and Min. values are current averages.
Av. value is current F.K.B.G. average, number of machines is indicated in parentheses.

TWO-YEAR TREND PLOT FOR CALIPER



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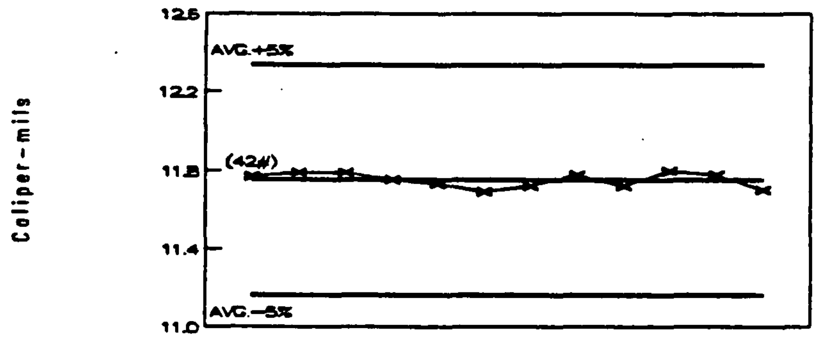

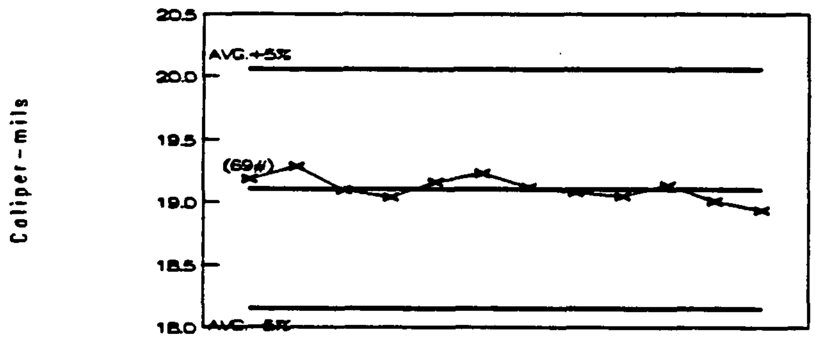

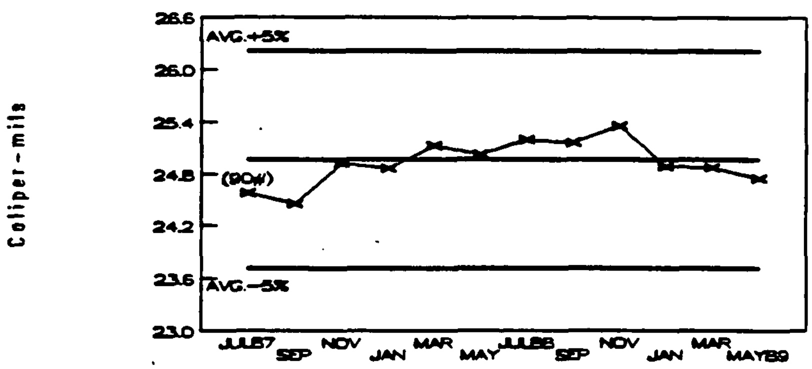

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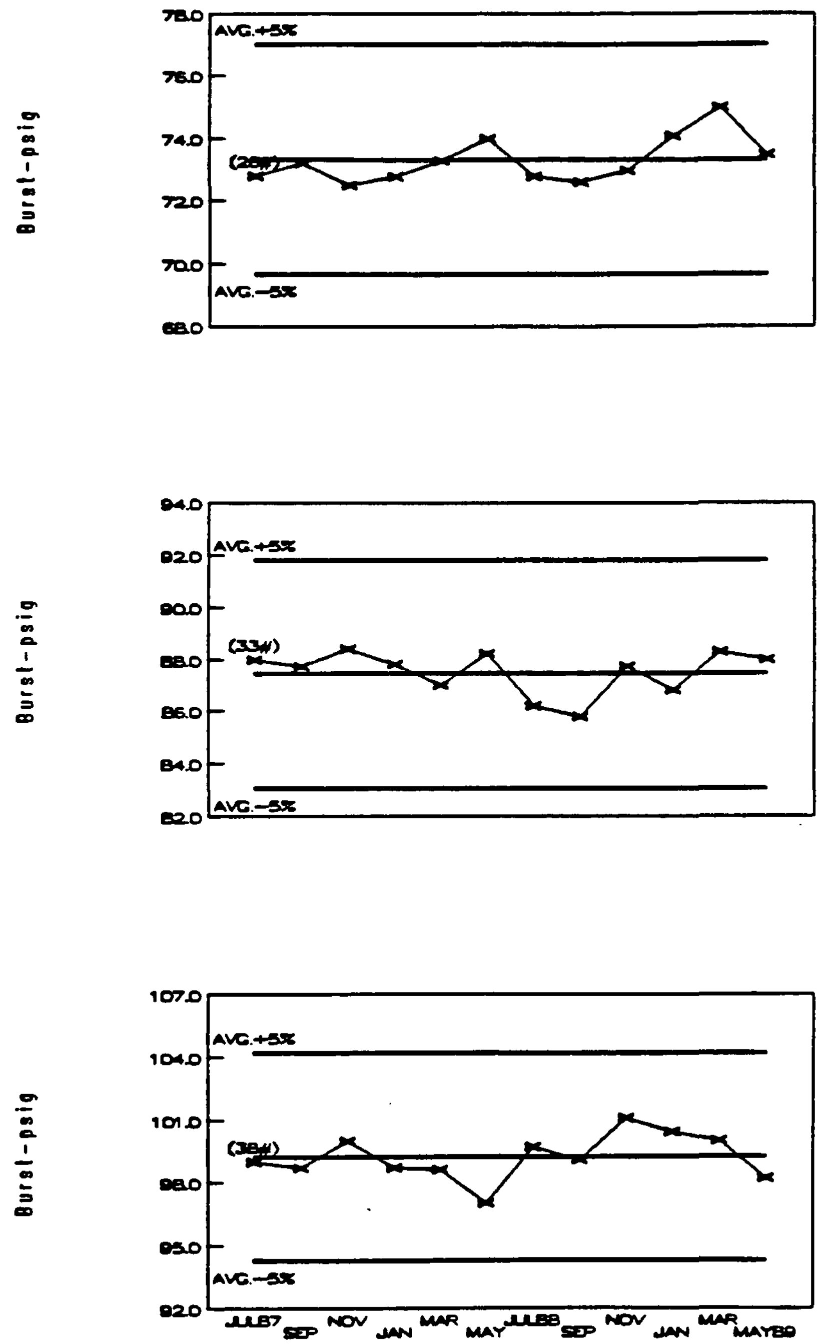

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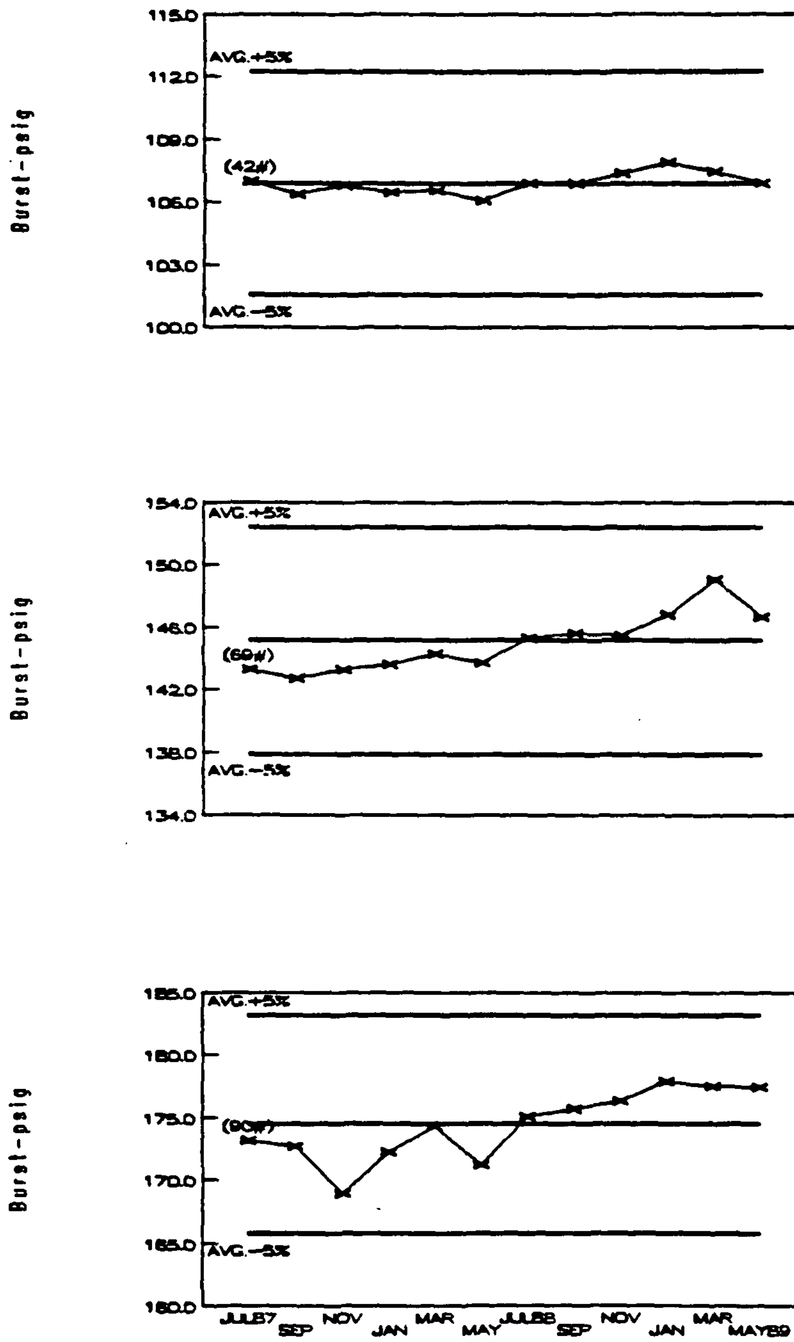

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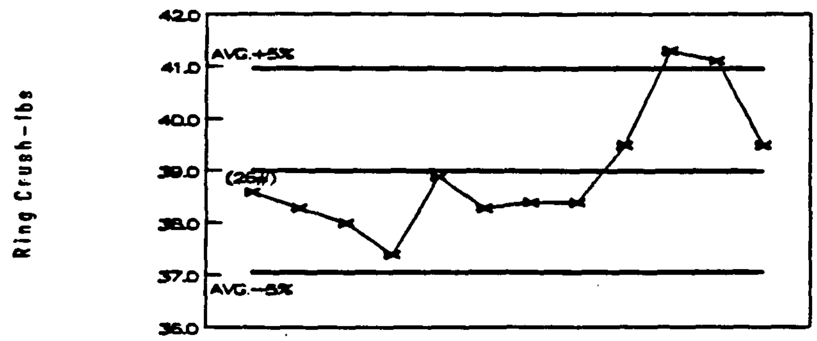

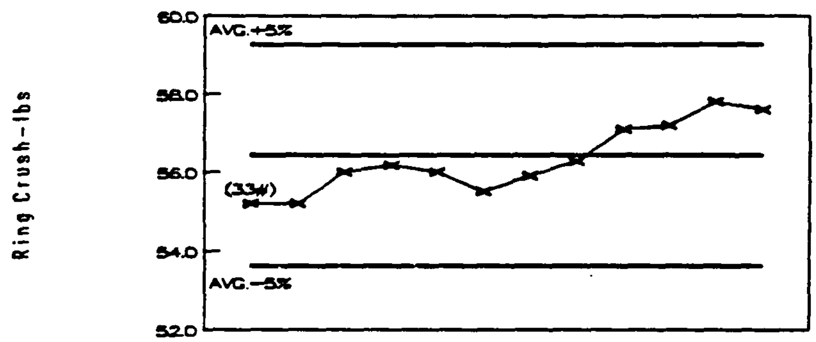

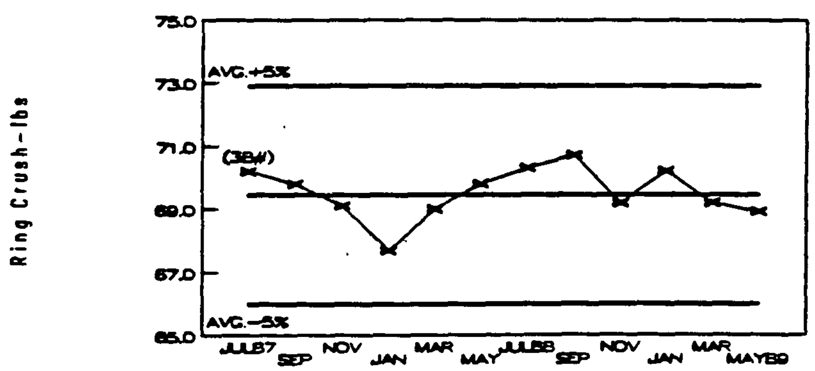

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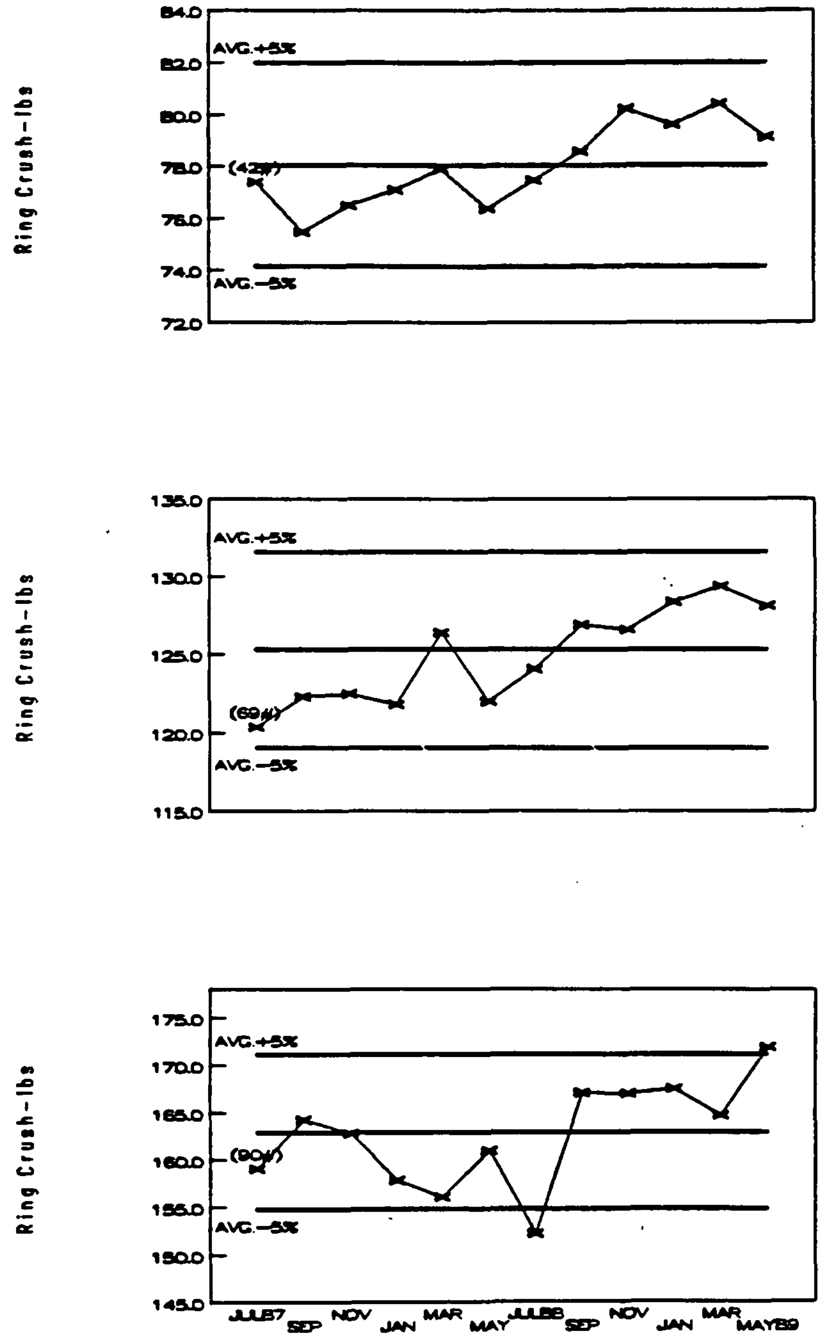

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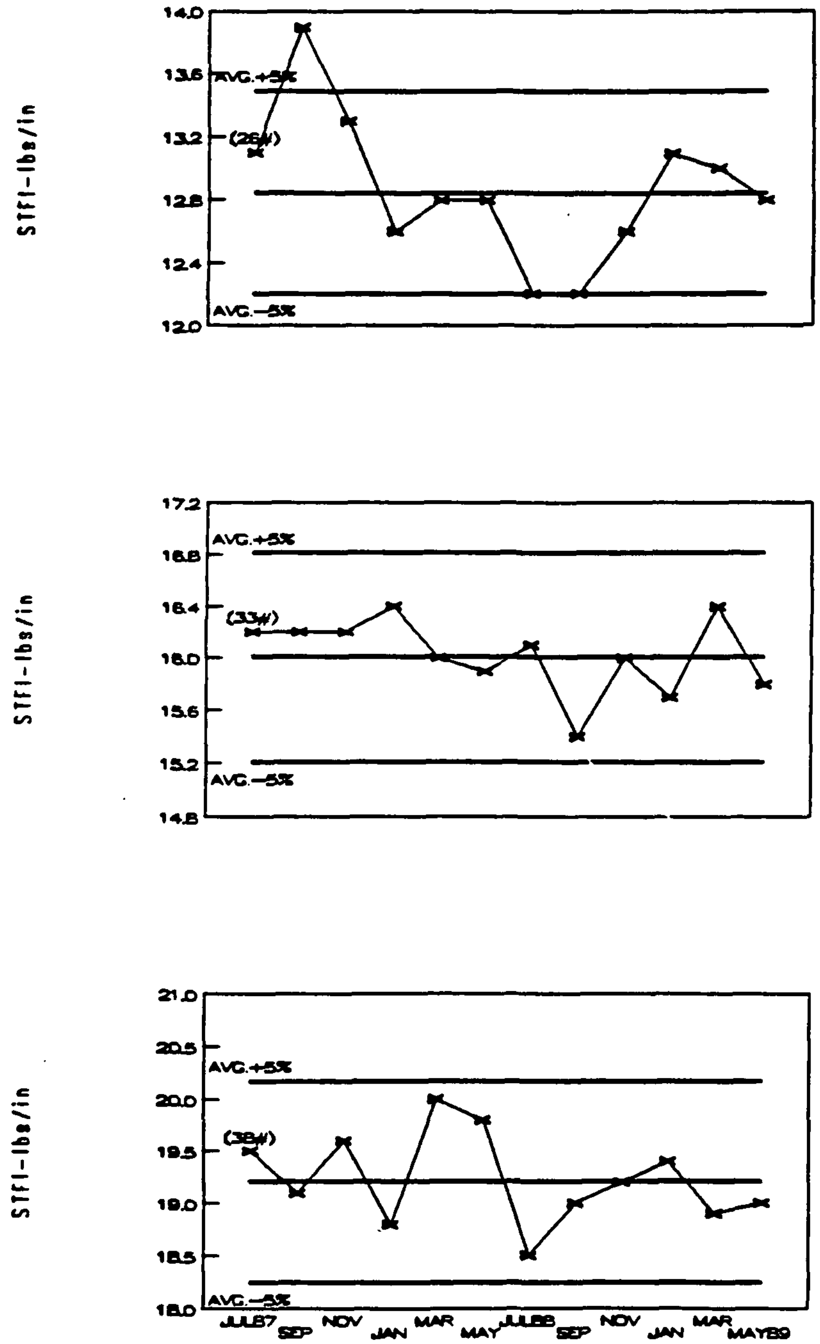

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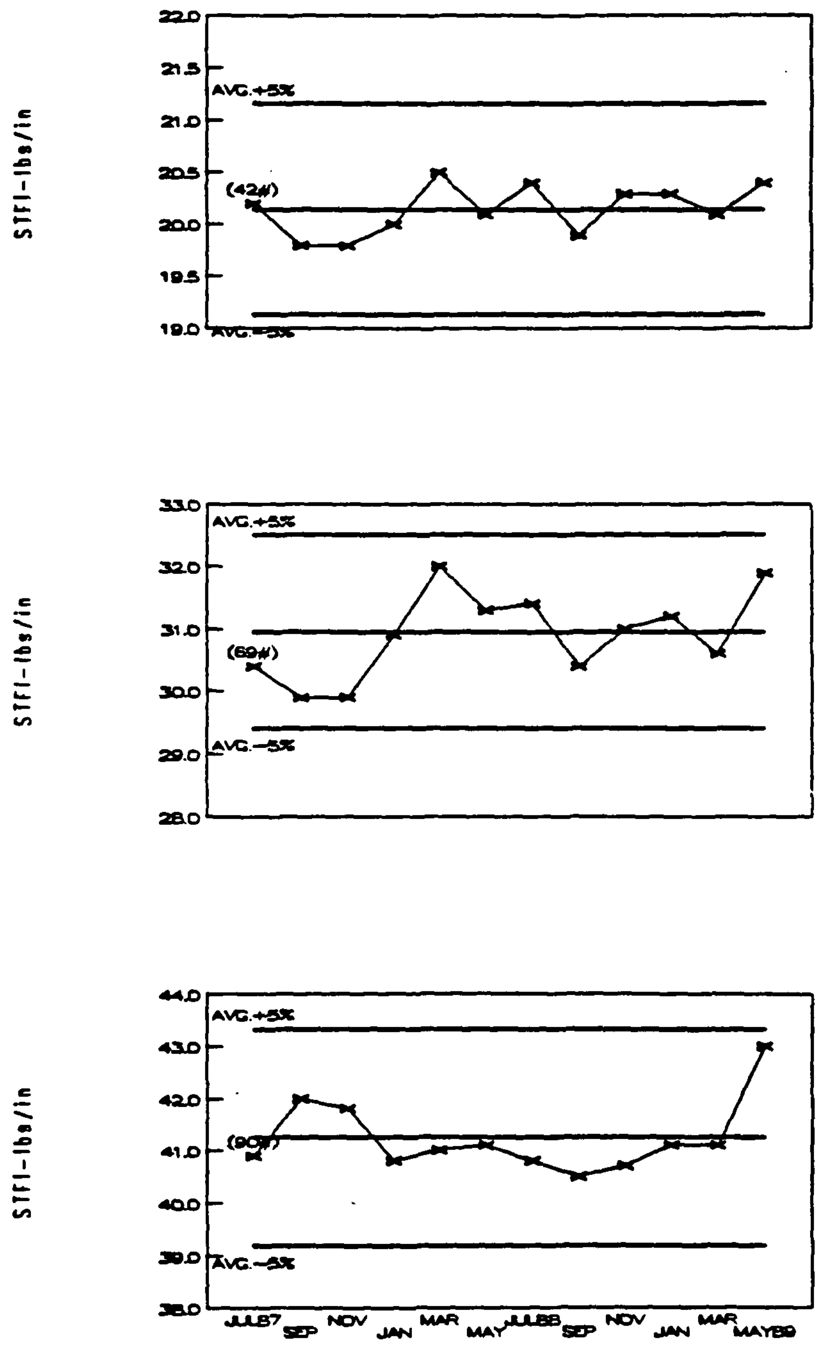

INTRODUCTION

The continuous base-line study (modified) is a compilation of bimonthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, bursting strength, C.D. ring crush and C.D. STFI tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given period: 26, 33, 38, 42, 69, and 90 lb. Participating mills are asked to report reel moisture content, basis weight, and moisture content corresponding to the basis weight measurement. The latter two measurements are used to compute the adjusted basis weight corresponding to a moisture content of 7.8%. Only the reel moisture content and the adjusted basis weight are included in the report.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, adjusted basis weight, caliper, bursting strength, C.D. ring crush, and C.D. STFI are compiled in the following tables:

Table Number	Description
I-III	Mill Test Averages on 26-lb Linerboard
IV-VI	Mill Test Averages on 33-lb Linerboard
VII-IX	Mill Test Averages on 38-lb Linerboard
X-XII	Mill Test Averages on 42-lb Linerboard
XIII-XV	Mill Test Averages on 69-lb Linerboard
XVI-XVIII	Mill Test Averages on 90-lb Linerboard

TABLE I

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 26 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
A1	5.5	5.6	100.0	25.3	25.9	96.6	7.9	8.2	101.3
B1	5.2	5.3	94.5	26.2	26.1	100.0	8.0	7.9	102.6
F1	6.1		110.9	26.4		100.8	8.9		88.5
N1	4.9	4.9	89.1	28.1	26.4	107.2	7.4	7.5	94.9
W1	5.5	5.5	100.0.	27.2	27.0	103.9	7.3	7.4	93.6
X1		6.2			26.1			8.8	
A2		4.9			26.1			7.9	
C2		7.0			26.0			8.5	
N2	6.6	6.9	120.0	26.1	26.0	99.6	7.9	7.6	101.3
B3	5.6	5.4	101.8	25.9	25.7	98.8	7.2	7.2	92.3
C3	6.0	6.0	109.1	26.3	26.4	100.4	7.5	7.7	96.2
L3	7.0	7.0	127.3	26.1	26.0	99.6	8.3	8.3	106.4
K3	4.9	4.9	89.1	26.3	26.4	100.4	7.5	7.4	96.2
C3	4.3	4.3	78.2	26.6	26.4	101.5	8.1	8.3	103.8
P3	4.9	4.9	89.1	26.2	26.1	100.0	7.3	7.6	93.6
V3	5.1	5.3	92.7	26.3	26.2	100.4	7.0	7.4	89.7
A4	5.9		107.3	27.2		103.5	8.2		105.1
G4		3.6			25.3			8.4	
L4	5.0	5.2	90.9	26.8	26.7	102.3	7.2	7.7	92.3
R4	5.6	5.5	101.8	25.2	26.2	100.0	7.7	7.7	98.7
FKBG	5.5	5.5	100.0	26.4	26.2	100.8	7.6	7.8	97.4

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE I (CONT)

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 26 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
A1	71	71	97.3	38.0	36.8	98.7			
G1	77	80	105.5	42.0	41.7	109.1			
F1	71		97.3						
N1	71	69	97.3	31.9		82.8			
W1	88	81	120.5	54.0	53.0	140.2			
X1		73						12.3	
A2		70			32.8			12.9	
C2		71						11.0	
H2	67	69	91.8				9.8	10.8	78.4
B3	78	74	106.8				13.9	14.3	111.2
C3	78	77	106.8	40.0	37.2	103.9	14.9	14.6	119.2
L3	70	70	95.9				13.3	12.3	106.4
M3	72	75	98.6	45.0	43.8	116.9	14.0	14.2	112.0
O3	72	69	98.6						
P3	69	70	94.5	34.0	35.7	88.3	12.6	12.5	100.8
V3	67	66	91.8	38.6	42.0	100.2			
A4	75		102.7	53.1		137.9			
B4		77						10.8	
L4	89	86	121.9						
R4	70	72	95.9	36.0	35.7	93.5			
FKBG	74	73	101.4	41.3	38.5	107.3	13.1	12.5	104.8

NOTE B IS GIVEN IN APPENDIX.

TABLE II

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 - 26 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
A1	5.6	5.5	101.8	25.3	25.8	96.6	8.0	8.2	103.9
G1	5.4	5.3	98.2	26.1	26.1	99.6	7.9	7.9	102.6
F1	5.6	6.1	105.4	26.5	26.4	101.1	6.9	6.9	89.6
H1	5.2	4.9	94.5	26.1	25.7	99.6	7.2	7.5	93.5
W1	5.4	5.5	98.2	27.0	27.1	103.0	7.6	7.4	98.7
X1		6.3			26.1			6.9	
A2		5.0			26.1			7.9	
C2		7.0			26.0			8.6	
M2	6.7	6.8	121.8	26.0	26.0	99.2	7.6	7.7	98.7
B3	5.5	5.5	100.0	25.8	25.8	98.5	7.3	7.2	94.8
C3	6.0	6.0	109.1	26.4	26.4	100.8	7.3	7.6	94.8
L3	6.9	7.0	125.4	26.1	26.1	99.6	8.6	8.3	111.7
M3	5.0	4.8	90.9	26.2	26.3	100.0	7.4	7.4	96.1
O3	4.1	4.3	74.5	26.4	26.5	100.3	8.2	8.3	106.5
P3	5.0	4.9	90.9	26.1	26.1	99.6	7.3	7.6	94.8
V3	5.0	5.2	90.9	26.5	26.2	101.1	6.9	7.3	89.6
A4	5.7	5.9	103.6	27.6	27.2	105.3	8.0	8.2	103.9
G4	3.7	3.7	67.3	27.1	26.3	103.4	8.7	8.3	113.0
L4		5.1		25.9	26.3	98.2	7.5	7.5	97.4
R4	5.6	5.5	101.8	26.1	26.2	99.6	7.4	7.7	96.1
FKBG	5.4	5.5	93.2	26.3	26.2	100.4	7.6	7.7	98.7

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE II (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 - 26 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
A1	71	71	97.3	35.0	37.2	89.5			
B1	80	80	109.6	40.0	41.8	102.3			
F1	74	71	101.4						
N1	71	69	97.3	30.0	31.9	76.7	13.0		103.2
W1	86	84	117.8	52.5	53.5	134.3			
X1		74						12.5	
A2		70			32.5			12.8	
C2		71						11.0	
N2	72	69	98.6				10.5	10.6	83.3
B3	76	75	104.1				13.6	14.2	107.9
C3	80	77	109.6	41.0	37.5	104.8	15.5	14.6	123.0
L3	72	70	98.6				12.9	12.6	102.4
M3	68	75	93.2	43.5	44.3	111.2	14.5	14.1	115.1
O3	76	69	104.1						
P3	70	70	95.9	35.0	36.2	89.5	12.7	12.5	100.8
V3	66	66	90.4	47.6	41.4	121.7			
A4	80	75	109.6	49.5	53.1	126.6			
B4	81	76	111.0				11.3	10.9	89.7
L4	83	87	113.7						
R4	70	72	95.9	37.0	35.5	94.6			
FKSG	75	73	102.7	41.1	39.1	105.1	13.0	12.6	103.2

NOTE B IS GIVEN IN APPENDIX.

TABLE III

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1989 - 26 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
A1	5.5	5.6	101.8	25.6	25.7	97.7	8.1	8.2	105.2
B1	5.4	5.3	100.0	26.1	26.1	99.6	7.8	8.0	101.3
F1	5.9	6.0	109.2	26.3	26.4	100.4	7.0	6.9	90.9
N1	5.0	5.0	92.6	26.7	26.6	101.9	6.9	7.4	89.6
W1	5.4	5.5	100.0	26.9	27.1	102.7	7.6	7.4	98.7
X1		6.3			26.1			7.0	
A2		4.9			26.1			7.9	
C2		7.0			26.1			8.7	
H2	6.5	6.8	120.4	25.9	26.0	98.8	7.9	7.6	102.6
B3	5.6	5.5	103.7	25.8	25.8	98.5	7.3	7.2	94.8
C3	6.1	6.0	113.0	26.8	26.4	102.3	7.7	7.6	100.0
L3	6.6	7.0	122.2	26.1	26.1	99.6	8.4	8.4	109.1
M3	4.7	4.8	87.0	26.3	26.3	100.4	7.5	7.4	97.4
O3	4.6	4.3	85.2	26.4	26.4	100.3	7.5	8.2	101.3
P3	4.9	4.9	90.7	26.1	26.1	99.6	7.7	7.6	100.0
V3	5.1	5.2	94.4	26.5	26.3	101.1	7.2	7.2	93.5
A4	5.6	5.8	103.7	28.1	27.4	107.2	7.8	8.1	101.3
E4	3.4	3.7	63.0	26.2	26.6	100.0	8.5	8.4	110.4
L4		5.1		26.0	26.6	99.2	7.1	7.4	92.2
R4	5.8	5.5	107.4	26.3	26.2	100.4	7.7	7.7	100.0
FREQ	5.4	5.4	100.0	26.4	26.2	100.3	7.6	7.7	98.7

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE III (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1989 - 26 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *5	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *5	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *5
A1	71	70	95.9	36.0	36.5	91.1			
B1	78	80	105.4	38.0	41.7	96.2			
F1	71	72	95.9						
N1	67	70	90.5	26.5	31.0	67.1	12.0	13.0	95.2
W1	84	85	113.5	49.0	53.2	124.0			
X1		73						12.3	
A2		69			32.3			12.7	
C2		71						11.1	
H2	70	70	94.6				10.2	10.4	81.0
B3	74	76	100.0				14.0	14.0	111.1
C3	76	77	102.7	44.0	36.2	111.4	15.3	14.9	121.4
L3	71	71	95.9				12.8	12.3	101.6
M3	70	73	94.6	43.0	44.4	108.9	15.0	14.1	119.0
C3	67	71	90.5						
F3	68	69	91.9	35.0	35.3	88.6	12.3	12.5	97.6
V3	67	66	90.5	40.0	42.0	101.3			
A4	75	73	101.4	47.2	51.3	119.5			
B4	73	78	98.6				11.2	10.9	88.9
L4	89	87	120.3						
R4	79	72	106.8	36.0	35.3	91.1			
FKOG	74	74	100.0	39.5	39.5	100.0	12.6	12.6	101.6

NOTE 5 IS GIVEN IN APPENDIX.

TABLE IV

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 33 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT			ADJ. BASIS WT. *A LB/M SQ FT			CALIPER MIL		
	CUR. AV.	CUM. AV.	IND. *B	CUR. AV.	CUM. AV.	IND. *B	CUR. AV.	CUM. AV.	IND. *B
A1		5.5			32.6			10.3	
B1	5.2	5.6	92.8	33.1	33.1	99.4	10.5	10.0	109.4
F1	6.3		112.5	33.5		100.6	8.6		89.6
N1	5.7	5.2	101.8	33.1	33.4	99.4	9.6	9.7	100.0
T1	5.9	5.2	105.4	35.1	35.2	105.4	9.4	8.8	97.9
W1	6.1	5.6	108.9	33.8	33.8	101.5	9.4	9.8	97.9
X1	6.2	6.4	110.7	33.1	33.1	99.4	9.5	8.9	99.0
A2	5.0	5.0	89.3	33.1	33.1	99.4	10.0	10.1	104.2
C2		7.1			33.0			10.1	
H2	6.6		117.8	33.1		99.4	10.2		106.2
S2	5.9	6.0	105.4	33.3	33.1	100.0	9.0	8.8	93.8
W2	5.4		96.4	33.3		100.0	9.2		95.8
Z2	6.2	5.7	110.7	33.7	33.3	101.2	9.5	9.2	99.0
A3	6.7	6.7	119.6	33.3	33.2	100.0	10.0	10.0	104.2
B3	6.1	5.7	108.9	32.7	32.7	98.2	9.0	8.9	93.8
C3	6.0	6.1	107.1	33.4	33.4	100.3	9.7	9.8	101.0
E3		7.2			33.0			9.6	
K3	4.9	5.1	87.5	34.1	33.6	102.4	9.8	9.6	102.1
L3	7.2	7.2	128.6	33.1	33.1	99.4	9.4	9.2	97.9
M3	5.2	5.3	92.8	33.2	33.2	99.7	9.4	9.2	97.9
G3	5.2	5.1	92.8	33.4	33.2	100.3	10.1	9.9	105.2
P3	5.0	5.0	89.3	33.1	33.0	99.4	9.5	9.3	99.0
V3	5.4	5.5	96.4	33.3	33.2	100.0	9.1	9.2	94.8
W3	5.0	5.0	89.3	32.9	32.9	98.8	9.7	9.7	101.0
Z3	4.6	5.2	82.1	33.7	34.6	101.2	9.5	9.7	99.0
A4	6.1	6.0	108.9	33.6	33.6	100.9	9.9	9.8	103.1
B4	4.2	4.2	75.0	33.0	33.0	99.1	10.5	10.5	109.4
H4	5.1	5.3	91.1	33.5	33.3	100.6	9.6	9.4	100.0
K4	4.7	4.7	83.9	34.0	33.8	102.1	10.4	10.3	108.3
L4	5.0	5.2	89.3	34.0	33.9	102.1	9.8	9.5	102.1
N4	6.2	6.2	110.7	33.3	33.2	100.0	9.3	8.9	96.9
R4	5.5	5.8	98.2	33.0	33.0	99.1	9.9	9.8	103.1
FKBG	5.6	5.6	100.0	33.4	33.3	100.3	9.6	9.6	100.0

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE IV (CONT)

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 33 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
A1		92			57.4				
B1	87	90	100.0	57.0	58.0	101.4			
F1	83		95.4	61.5		109.4			
N1	85	83	97.7	56.1		99.8			
T1	90	84	103.4						
W1	104	94	119.5	78.0	64.8	138.8			
X1	85	88	97.7				13.8	14.2	86.2
A2	84	86	96.6	47.0	47.5	83.6	15.8	15.7	98.8
C2		82						12.6	
K2	87		100.0				12.2		76.2
S2	86	92	98.8				13.8	14.7	86.2
W2	85		97.7	61.0		108.5			
Z2	84	89	96.6		57.0		16.2	16.6	101.2
A3	85	88	97.7				18.3	16.6	114.4
B3	90	90	103.4				15.8	16.5	98.5
C3	91	90	104.6	62.0	55.2	110.3	17.3	17.4	108.1
E3		84						16.9	
K3	84	86	96.6	47.0	43.4	83.6			
L3	82	83	94.2				17.2	16.3	107.5
M3	90	90	103.4	65.0	63.4	115.6	18.0	17.4	112.5
O3	81	80	93.1						
P3	82	83	94.2	45.0	43.2	80.1	15.3	14.9	95.6
V3	79	80	90.8	64.8	63.1	115.3			
W3	89	93	102.3	57.0	54.2	101.4			
Z3	77	78	88.5	44.0	44.5	78.3			
A4	85	91	97.7	66.7	70.2	118.7		19.8	
B4	106	89	121.8				14.6	13.6	91.2
H4	86	84	98.8	52.3		93.1			
K4	83	88	95.4	58.0	64.0	103.2	16.2	18.7	101.2
L4	103	103	118.4						
N4	82	82	94.2	58.4	56.1	103.9			
R4	81	85	93.1	49.0	48.2	87.2			
FKBG	87	87	100.0	57.2	56.2	101.8	15.7	16.0	98.1

NOTE B IS GIVEN IN APPENDIX.

TABLE V

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 - 33 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
A1	5.6	5.5	100.0	33.3	32.6	100.0	9.7	10.3	101.0
B1	5.4	5.5	96.4	33.1	33.1	99.4	10.2	10.1	106.2
F1	6.0	6.3	107.1	33.5	33.5	100.6	8.7	8.6	90.6
N1	5.7	5.3	101.8	33.1	33.3	99.4	9.5	9.6	99.0
T1		5.4		34.5	35.2	103.6	9.8	8.9	102.1
W1	5.6	5.6	103.6	33.9	33.8	101.8	9.3	9.7	96.9
X1	6.2	6.4	110.7	33.1	33.1	99.4	9.4	9.0	97.9
A2	5.0	5.0	89.3	33.1	33.1	99.4	9.8	10.1	102.1
C2		7.2			33.0			10.2	
H2		8.6			33.1			10.2	
S2	5.8	6.0	103.6	33.1	33.2	99.4	8.9	8.8	92.7
W2		5.4			33.3			9.2	
Z2	6.2	5.8	110.7	33.9	33.4	101.3	9.6	9.3	100.0
A3	6.7	6.7	119.6	33.1	33.3	99.4	10.0	10.0	104.2
E3	6.0	5.8	107.1	32.5	32.7	97.6	8.9	8.9	92.7
C3	6.1	6.0	108.9	33.4	33.4	100.3	9.4	9.8	97.9
E3		7.2			33.0			9.6	
K3	5.1	5.0	91.1	34.0	33.7	102.1	9.8	9.6	102.1
L3	7.0	7.2	125.0	33.1	33.1	99.4	9.6	9.3	100.0
M3	5.3	5.2	94.6	33.1	33.2	99.4	9.0	9.2	93.8
O3	4.5	5.1	80.4	33.6	33.2	100.9	9.7	9.9	101.0
P3	4.9	5.0	87.5	33.5	33.0	100.6	9.4	9.7	97.9
V3	5.4	5.4	96.4	33.2	33.2	99.7	8.7	9.1	90.6
W3	5.0	5.0	89.3	33.5	33.0	100.6	9.6	9.7	100.0
Z3	5.1	5.0	91.1	33.1	34.4	99.4	9.1	9.6	94.8
A4	6.2	6.0	110.7	33.6	33.6	100.9	9.9	9.8	103.1
B4	4.2	4.2	75.0	34.3	33.0	103.0	10.9	10.5	113.5
H4		5.3			33.4		.	9.4	
K4	4.5	4.7	80.4	34.0	33.8	102.1	10.0	10.4	104.2
L4		5.8		32.9	34.0	98.8	9.2	9.4	95.8
N4	6.2	6.2	110.7	33.2	33.2	99.7	9.2	9.0	95.8
R4	5.7	5.7	101.8	32.8	33.1	98.5	9.6	9.3	100.0
FKB6	5.6	5.6	100.0	33.4	33.3	100.3	9.5	9.6	99.0

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE V (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 - 33 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
A1	91	92	104.6	56.0	57.4	99.5			
B1	90	90	103.4	56.0	58.0	99.5			
F1	90	83	103.4	69.3	61.5	123.1			
N1	83	83	95.4	48.7	56.1	86.5	16.2		102.5
T1	100	85	114.9						
W1	104	96	119.5	76.0	67.4	135.0			
X1	85	88	97.7				16.4	14.0	103.8
A2	81	85	93.1	46.0	47.0	81.7	15.1	15.6	95.6
C2		82						12.6	
H2		87						12.2	
S2	87	91	100.0				14.4	14.7	91.1
L2		85			61.0				
Z2	81	87	93.1				15.8	16.5	100.0
A3	88	88	101.1				17.9	16.9	113.3
E3	89	90	102.3				15.0	16.4	94.9
C3	93	90	106.9	65.0	56.2	115.4	18.0	17.4	113.9
E3		84						16.9	
K3	89	85	102.3	51.0	47.6	90.6			
L3	83	82	95.4				17.1	16.9	103.2
M3	82	90	101.1	65.0	63.8	115.4	18.5	17.4	117.1
O3	84	80	96.6						
P3	84	82	96.6	52.0	49.0	92.4	17.8	15.0	112.6
V3	81	80	93.1	60.6	63.2	107.5			
W3	97	92	111.5	54.0	54.8	95.9			
Z3	90	78	103.4	49.0	44.4	87.0			
A4	85	89	97.7	67.3	69.9	119.5			
B4	93	92	106.9				13.6	13.7	86.1
H4		84			52.3				
K4	81	87	93.1		63.2		17.9	18.0	113.3
L4	99	103	113.8						
N4	82	82	94.2	58.5	56.1	103.9			
R4	87	84	100.0	50.0	48.2	88.8			
FKBG	88	87	101.1	57.8	56.3	102.7	16.4	15.8	103.8

NOTE B IS GIVEN IN APPENDIX.

TABLE VI

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1989 - 33 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
A1	5.6	5.5	100.0	32.4	32.7	97.0	10.0	10.2	104.2
B1	5.6	5.4	100.0	33.1	33.1	99.1	10.0	10.2	104.2
F1	6.0	6.2	107.1	33.5	33.5	100.3	9.0	8.6	93.8
N1	5.2	5.4	92.8	33.3	33.2	99.7	9.0	9.6	93.8
T1		5.4		34.5	35.2	103.3	8.8	9.0	91.7
W1	5.9	5.7	105.4	33.9	33.8	101.5	9.2	9.7	95.8
X1	6.2	6.4	110.7	33.1	33.1	99.1	8.4	9.2	87.5
A2	5.0	5.0	89.3	33.1	33.1	99.1	9.8	10.0	102.1
C2		7.2			33.0			10.2	
H2	6.4	6.6	114.3	33.1	33.1	99.1	10.4	10.2	108.3
S2		5.9			33.2			8.8	
W2		5.4			33.3			9.2	
Z2	6.4	5.9	114.3	33.3	33.5	99.7	10.3	9.4	107.3
A3	6.6	6.7	117.3	33.1	33.2	99.1	10.0	10.0	104.2
E3	6.3	5.5	112.5	33.4	32.7	100.0	8.9	8.9	92.7
C3	6.2	6.0	110.7	33.9	33.4	101.5	9.7	9.7	101.0
E3		7.2			33.0			9.6	
K3	5.2	5.0	92.8	33.9	33.9	101.5	9.5	9.7	99.0
L3	6.8	7.1	121.4	33.1	33.1	99.1	9.5	9.4	99.0
M3	5.4	5.2	96.4	33.1	33.2	99.1	9.2	9.2	95.8
O3	5.4	5.0	96.4	33.3	33.3	99.7	10.1	9.8	105.2
P3	4.9	4.9	87.5	33.2	33.1	99.4	9.7	9.6	101.0
V3	5.5	5.4	98.2	33.2	33.2	99.4	9.0	9.0	93.8
W3	5.6	5.0	100.0	33.7	33.1	100.9	9.2	9.7	95.8
Z3		5.0			34.1			9.5	
A4	6.0	6.1	107.1	33.5	33.6	100.3	9.8	9.8	102.1
B4	4.0	4.2	71.4	33.1	33.2	99.1	10.7	10.6	111.4
H4		5.3			33.4			9.4	
K4	4.6	4.7	82.1	34.0	33.9	101.8	9.9	10.4	103.1
L4		5.2		33.0	33.8	98.8	10.6	9.4	110.4
N4	6.4	6.2	114.3	33.1	33.2	99.1	9.1	9.1	94.8
R4	5.9	5.7	105.4	33.1	33.0	99.1	9.7	9.7	101.0
FKBG	5.7	5.6	101.8	33.3	33.4	99.7	9.6	9.6	100.0

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE VI (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1989 - 33 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *2	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *5
A1	91	91	104.6	57.0	57.0	100.7			
B1	89	90	102.3	57.0	57.3	100.7			
F1	87	86	100.0	69.2	65.4	122.3			
N1	82	83	94.2	46.2	52.4	81.6	15.0	16.2	94.3
T1	88	86	101.1						
W1	100	99	114.9	73.0	68.8	129.0			
X1	91	87	104.6				15.2	14.2	95.6
A2	82	84	94.2	45.0	46.5	79.5	14.9	15.6	93.7
C2		82						12.6	
H2	87	87	100.0				12.5	12.2	78.6
S2		91						14.6	
W2		85			61.0				
Z2	83	85	95.4				16.3	16.5	102.5
A3	93	87	106.9				17.6	17.3	110.7
B3	87	90	100.0				16.6	15.1	104.4
C3	88	90	101.1	62.0	59.0	109.5	17.1	17.6	107.5
E3		84						16.9	
K3	89	86	102.3	47.0	47.9	83.0			
L3	79	82	90.5				17.0	16.9	105.9
M3	85	89	97.7	64.0	64.2	113.1	16.0	17.5	113.2
O3	76	81	87.4						
P3	84	83	96.6	43.0	49.0	84.5	16.5	15.6	103.3
V3	80	80	92.0	65.6	62.7	115.5			
W3	92	93	105.7	51.0	54.6	90.1			
Z3		80			45.3				
A4	88	88	101.1	66.0	69.4	116.5			
B4	94	92	108.0				14.4	13.7	90.6
H4		85			52.3				
K4	89	86	102.3		63.0		14.7	17.4	92.4
L4	104	103	119.5						
N4	84	82	96.6	62.6	56.6	110.6			
R4	96	85	110.3	50.0	45.3	89.3			
FKBG	88	87	101.1	57.6	56.6	101.8	15.8	15.9	99.4

NOTE B IS GIVEN IN APPENDIX.

TABLE VII

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 38 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
E1	5.4	5.5	93.1	38.1	38.1	99.0	11.7	11.4	109.3
I1	5.9	5.9	101.7	38.1	38.1	99.0	10.4	10.5	97.2
N1	5.2	5.6	89.6	38.6	38.5	100.2	10.8	10.6	100.9
T1	5.9	5.6	101.7	38.7	39.1	100.5	10.5	10.2	98.1
W1	6.1	5.9	105.2	38.4	38.7	99.7	10.3	11.2	96.3
Y1		5.6			39.0			9.4	
A2	6.0	6.0	103.4	38.1	38.0	99.0	10.7	11.4	100.0
B2	6.6	5.9	113.8	40.4	39.0	104.9	11.2	11.1	104.7
C2		7.4			38.1			11.5	
J2	6.0	6.0	103.4	38.1	38.1	99.0	10.2	10.6	95.3
G2	6.3	6.2	108.6	38.2	38.3	99.2	10.2	10.5	95.3
X2	5.8	5.9	100.0	38.7	39.0	100.5	10.2	10.7	95.3
Y2	5.6	5.8	96.6	38.0	38.0	98.7	10.2	10.3	95.3
Z2	6.2	5.8	106.9	38.5	38.3	100.0	10.8	10.9	100.9
S3	6.2	6.2	106.9	35.8	37.6	93.0		10.0	
E3		7.1			38.2			10.2	
K3	4.9	5.7	84.5	39.2	38.6	101.8	11.2	10.8	104.7
L3		6.9			38.1			10.6	
M3	5.8	5.8	100.0	38.1	38.2	99.0	10.8	10.6	100.9
V3	5.8	5.8	100.0	38.2	38.3	99.2	9.8	10.1	91.6
X3	5.6	5.9	96.6	38.1	38.2	99.0	10.6	11.0	99.1
Y3	5.9	5.6	101.7	38.3	38.3	99.5	10.6	10.6	99.1
Z3	5.0	5.5	86.2	41.4	40.5	107.5	11.0	11.1	102.8
A4	6.3	6.2	108.6	38.5	38.6	100.0	11.6	10.9	108.4
E4		5.4			38.3			10.0	
H4		5.5			38.3			10.5	
N4	6.2	6.2	106.9	38.1	38.2	99.0	10.6	10.3	99.1
FKBG	5.8	5.8	100.0	38.4	38.5	99.7	10.7	10.7	100.0

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE VII (CONT)

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 38 LE KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
B1	103	101	104.0	71.0	71.8	102.3			
I1	96	98	97.0	61.0	64.3	87.9	19.5	18.6	101.6
N1	102	95	103.0	64.0		92.2			
T1	96	98	97.0						
W1	112	104	113.1	84.0	73.1	121.0			
Y1		103			77.6				
A2	100	99	101.0	59.0	60.8	85.0	18.4	17.8	95.8
B2	118	107	119.2	64.0	62.2	92.2			
C2		99						15.0	
J2	95	98	96.0				18.9	19.7	98.4
G2	108	104	109.1				20.6	21.3	107.3
X2	95	94	96.0	81.3	78.9	117.1			
Y2	101	100	102.0	64.1	63.3	92.4			
Z2	95	97	96.0		73.0		18.9	21.7	96.4
E3	97	103	98.0				19.0	18.1	99.0
E3		98						17.6	
K3	92	95	92.9	56.0	57.2	80.7			
L3		96						19.6	
M3	99	99	100.0	74.0	73.9	106.6	21.0	20.2	109.4
V3	94	94	94.9	85.4	75.6	123.0			
X3	112	105	113.1				19.6	18.2	102.1
Y3	110	105	111.1	69.0	66.7	99.4	18.7	13.0	97.4
Z3	94	92	94.9	66.0	63.4	95.1			
A4	98	100	99.0	81.4	83.9	117.3			
E4		112						19.1	
H4		97							
N4	92	93	92.9	73.2	69.8	105.5			
FKBG	100	99	101.0	70.2	69.4	101.2	19.4	19.2	101.0

NOTE B IS GIVEN IN APPENDIX.

TABLE VIII

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 - 38 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT			ADJ. BASIS WT. *A LB/M SQ FT			CALIPER MIL		
	CUR. AV.	CUM. AV.	IND. *B	CUR. AV.	CUM. AV.	IND. *B	CUR. AV.	CUM. AV.	IND. *B
B1	5.4	5.5	93.1	38.1	38.1	99.2	11.6	11.5	108.4
I1	5.9	5.9	101.7	38.0	38.1	99.0	10.4	10.5	97.2
N1	5.2	5.4	89.6	38.1	38.6	99.2	10.9	10.7	101.9
T1		5.7		38.5	39.0	100.3	11.2	10.3	104.7
W1	6.4	5.9	110.3	38.8	38.6	101.0	10.6	11.0	99.1
Y1		5.6			39.0			9.4	
Z1	6.0		103.4	37.5		97.6	10.8		100.9
A2	6.0	6.0	103.4	38.1	38.0	99.2	10.6	11.2	99.1
B2		6.2			39.3			11.2	
C2		7.4			38.1			11.5	
J2		6.0			38.0			10.4	
G2	6.3	6.3	108.6	37.7	38.3	98.2	10.4	10.5	97.2
W2	5.4		93.1	38.3		99.7	11.0		102.8
X2	5.9	5.9	101.7	38.7	38.9	100.8	10.8	10.6	100.9
Y2	5.8	5.7	100.0	38.2	38.0	99.5	11.6	10.3	108.4
Z2	6.7	6.0	115.5	38.6	38.4	100.5	11.6	11.0	108.4
E3		6.2			37.0			10.0	
E3		6.7			38.1			10.4	
K3	5.0	5.5	86.2	39.1	38.8	101.8	10.6	10.9	100.9
L3		6.9			38.1			10.6	
M3	5.6	5.8	96.6	38.2	38.2	99.5	10.6	10.7	99.1
V3	6.0	5.8	103.4	38.3	38.3	99.7	9.6	10.0	89.7
X3		5.8			38.2			10.9	
Y3	5.9	5.7	101.7	38.3	38.3	99.7	10.7	10.6	100.0
Z3	5.1	5.4	87.9	40.3	40.6	104.9	11.3	11.1	105.6
A4	6.2	6.2	106.9	38.6	38.5	100.5	10.9	11.1	101.9
E4		5.3			38.2			9.8	
H4	5.1	5.4	87.9	38.1	38.3	99.2	10.0	10.5	93.4
N4	6.2	6.2	106.9	38.1	38.2	99.2	10.6	10.4	99.1
FKBG	5.8	5.8	100.0	38.4	38.4	100.0	10.8	10.7	100.9

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE VIII (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 - 35 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
B1	100	102	101.0	68.0	71.7	97.3			
I1	92	97	92.9	59.0	63.5	84.4	18.8	18.8	97.4
N1	98	98	99.0		64.0		19.0		98.4
T1	107	98	108.1						
W1	109	106	110.1	79.0	75.3	113.0			
Y1		103			77.6				
Z1	125		126.3				18.8		97.4
A2	95	100	96.0	58.0	60.5	83.0	17.8	17.8	92.2
B2		110			63.2				
C2		99						15.0	
J2		96						19.5	
Q2	98	104	99.0				20.5	21.1	106.2
W2	97		98.0	73.0		104.4			
X2	106	95	107.1	81.0	80.1	115.9			
Y2	103	100	104.0	63.3	63.4	90.6			
Z2	86	96	86.9				17.1	21.0	88.6
B3		101						18.4	
E3		96						19.4	
K3	100	94	101.0	65.0	56.9	93.0			
L3		96						19.6	
M3	98	99	99.0	77.0	73.9	110.2	21.0	20.0	108.8
V3	93	94	93.9	78.0	78.3	111.6			
X3		110						18.8	
Y3	105	106	106.1	66.0	68.0	94.4	17.9	18.4	92.7
Z3	95	92	96.0	58.0	63.2	83.0			
A4	96	99	97.0	81.7	83.5	116.9			
E4		116						19.1	
H4	102	96	103.0	56.4		80.7			
N4	94	93	94.9	74.5	70.2	106.6			
FKBF	100	99	101.0	69.2	69.9	99.0	18.9	19.3	97.9

NOTE B IS GIVEN IN APPENDIX.

TABLE IX

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1989 - 38 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
B1	5.5	5.4	94.8	38.3	38.1	99.7	11.4	11.5	106.5
I1		5.9			38.1			10.5	
N1	5.3	5.3	91.4	38.5	38.4	100.3	10.2	10.8	95.3
T1		5.6		38.0	39.0	99.0	10.7	10.4	100.0
W1	5.7	6.0	98.3	39.3	38.6	102.3	10.6	10.9	99.1
Y1		5.6			39.0			9.4	
Z1		6.0			37.5			10.9	
A2	6.0	6.0	103.4	38.1	38.0	99.2	10.8	10.9	100.9
B2		6.4			39.5			11.2	
C2		7.4			38.1			11.5	
J2	6.0	6.0	103.4	38.2	38.1	99.5	10.5	10.2	95.1
Q2	6.0	6.4	103.4	37.7	38.2	98.2	10.4	10.6	97.2
W2		5.4			38.3			11.0	
X2	5.7	5.9	98.3	39.3	38.8	102.3	10.8	10.6	100.9
Y2	5.6	5.7	96.6	38.2	38.1	99.5	10.4	10.5	97.2
Z2	6.7	6.2	115.5	38.3	38.4	99.7	11.1	11.2	103.7
E3		6.2			37.0			10.0	
E3		6.7			35.1			10.4	
K3	5.3	5.2	91.4	39.1	39.0	101.8	10.8	11.0	100.9
L3		6.9			38.1			10.6	
M3	5.7	5.7	98.3	38.0	38.2	99.0	10.7	10.7	100.0
V3	5.9	5.9	101.7	38.3	38.3	99.7	9.6	10.0	91.6
X3		5.7			38.2			10.8	
Y3	6.0	5.8	103.4	38.4	38.3	100.0	10.2	10.6	95.3
Z3	4.9	5.4	84.5	40.8	40.7	106.2	11.6	11.2	108.4
A4	6.3	6.2	108.6	38.4	38.6	100.0	11.1	11.2	103.7
E4		5.3			38.2			9.8	
H4	5.3	5.3	91.4	38.5	38.3	100.3	10.2	10.4	95.3
N4	6.5	6.2	112.1	38.1	38.1	99.2	10.6	10.4	99.1
TKBG	5.8	5.8	100.0	38.5	38.4	100.3	10.7	10.7	100.0

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE IX (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1989 - 38 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
B1	105	101	105.0	71.0	71.2	101.6			
I1		96			62.6			18.8	
H1	96	98	96.0	62.0	64.0	88.7	18.5	19.0	96.8
T1	100	99	100.0						
W1	108	107	108.0	81.0	75.9	115.9			
Y1		103			77.6				
Z1		125						18.5	
A2	94	98	94.0	56.0	58.0	80.1	17.5	18.0	91.6
B2		116			64.7				
C2		99						15.0	
J2	95	95	95.0				19.2	18.9	100.5
Q2	110	104	110.0				20.9	20.8	109.4
W2		97			73.0				
X2	94	98	94.0	79.5	80.1	113.7			
Y2	104	100	104.0	69.8	63.0	99.8			
Z2	89	92	69.0				18.5	19.1	97.0
E3		101						13.4	
E3		96						19.4	
K3	101	94	101.0	58.0	57.8	83.0			
L3		95						19.5	
M3	96	92	96.0	74.0	74.4	105.9	20.0	19.5	104.7
V3	93	94	93.0	79.3	79.0	113.4			
X3		113						19.3	
Y3	103	106	103.0	60.0	68.5	94.4	18.1	18.5	94.3
Z3	94	93	94.0	61.0	61.8	87.3			
A4	96	98	96.0	80.3	84.0	114.9			
E4		116						19.1	
H4	96	98	96.0	55.6	56.4	79.5			
M4	94	93	94.0	71.7	71.3	102.6			
FKBG	98	100	98.0	68.9	69.9	98.6	19.0	19.1	99.5

NOTE B IS GIVEN IN APPENDIX.

TABLE X

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 42 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
B1	5.5	5.6	93.2	42.0	42.1	99.3	12.8	12.5	109.4
I1	5.9	5.9	100.0	42.1	42.1	99.5	11.6	11.5	99.1
J1	5.6	5.7	94.9	42.2	42.3	99.8	11.2	11.1	95.7
M1		5.1			42.7			12.2	
T1	5.8	5.7	98.3	42.9	43.0	101.4	11.4	11.0	97.4
W1	6.4	6.1	108.5	42.5	42.6	100.5	11.6	12.4	99.1
X1	6.1	6.4	103.4	42.5	42.2	100.0	11.8	11.2	100.8
Y1	5.9	5.8	100.0	42.6	42.8	100.7	10.5	10.4	89.7
Z1	6.3	6.6	106.8	42.4	42.2	100.2	11.3	11.5	96.6
A2	6.0	6.0	101.7	42.1	42.0	99.5	12.3	11.8	105.1
B2	5.8	5.8	98.3	42.3	42.3	100.0	12.4	12.1	106.8
C2		7.2			42.0			12.5	
I2	5.2	5.2	88.1	42.1	42.3	99.5	12.1	12.4	103.4
J2	6.0	6.0	101.7	42.2	42.2	99.8	11.2	11.4	95.7
K2	6.2	6.1	105.1	42.2	42.1	99.8	12.2	11.9	104.3
G2	6.5	6.4	110.2	42.2	42.2	99.8	12.0	12.0	102.6
R2	5.6	6.2	94.9	41.8	41.8	98.8	11.5	11.5	98.3
S2	6.1	6.2	103.4	42.2	42.1	99.8	11.1	10.9	94.9
T2	6.3	6.3	106.8	42.3	42.3	100.0	11.2	11.2	95.7
W2	5.5	5.3	93.2	42.3	42.3	100.0	11.9	12.2	101.7
X2	5.9	6.0	100.0	42.8	42.7	101.2	11.3	11.5	96.6
Y2	6.0	6.0	101.7	42.2	42.1	99.8	11.6	11.2	99.1
Z2	6.5	6.1	110.2	42.6	42.4	100.7	12.3	12.0	105.1
A3	6.7	6.7	113.6	42.2	42.2	99.5	12.0	12.0	102.6
C3	6.6	6.0	111.9	41.8	41.8	98.8	11.4	11.3	97.4
E3	7.1	7.4	120.3	42.1	42.0	99.5	11.3	11.6	96.6
K3	5.1	5.6	86.4	43.2	42.6	102.1	12.1	11.9	103.4
L3		6.8			42.1			12.0	
M3	5.9	5.9	100.0	42.2	42.2	99.8	11.3	11.8	96.6
O3	6.0	6.1	101.7	42.4	42.4	100.2	12.6	12.1	107.7
V3	6.0	6.0	101.7	42.2	42.2	99.8	11.0	11.0	94.0
W3	5.5	5.5	93.2	41.9	41.7	99.0	12.5	12.4	106.8
X3	5.6	6.0	94.9	42.1	42.1	99.5	11.4	12.1	97.4
Y3	6.2	5.9	105.1	42.1	42.1	99.5	11.6	11.6	99.1
Z3	5.5	5.7	93.2	41.9	42.6	99.0	11.2	11.5	95.7
A4	6.5	6.4	110.2	42.4	42.4	100.2	12.8	11.8	109.4
B4	5.2	5.2	88.1	42.1	42.1	99.5	12.3	12.4	105.1
C4	5.2	5.2	88.1	42.3	42.3	100.0	11.9	11.9	101.7
E4		5.8			42.3			11.2	
F4	5.8	5.8	98.3	42.3	42.3	100.0	11.4	11.2	97.4
G4	4.8	5.4	81.4	43.4	42.7	102.6	12.1	12.1	103.4
H4	5.3	5.4	89.8	41.6	42.2	98.3	12.2	11.5	104.3
I4	5.4	5.8	91.5	43.0	42.4	101.6	12.6	12.5	107.7
J4		3.6			42.1			10.7	
K4	5.1	5.2	86.4	42.7	42.7	100.9	12.7	12.7	108.5
M4	5.5	5.4	93.2	43.2	43.0	102.1	12.6	12.1	107.7
N4	6.2	6.2	105.1	42.1	42.1	99.5	11.4	11.2	97.4
U4	6.1	5.4	103.4	42.8	42.9	101.2	11.6	11.4	99.1
FKB6	5.9	5.9	100.0	42.3	42.3	100.0	11.5	11.7	100.0

TABLE X (CONT)

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 42 LB KRAFT LINERBOARD

CODE	CUR. AV.	BURST PSIG CUR. AV.	IND. *B	CD RING CRUSH, LB CUR. AV.	CUR. AV.	IND. *B	CD STFI LB/IN CUR. AV.	CUR. AV.	IND. *B
B1	104	107	97.2	77.0	81.4	98.7			
I1	104	105	97.2	73.0	71.5	93.6	20.4	20.2	101.0
J1	105	103	98.1	85.4	82.0	109.5			
N1		103							
T1	104	106	97.2						
W1	130	112	121.5	83.0	84.5	106.4			
X1	108	108	100.9				18.0	18.7	89.1
Y1	108	110	100.9	87.3	87.6	111.9			
Z1	125	116	116.8				19.0	20.4	94.0
A2	102	106	95.3	78.0	65.0	100.0	19.5	19.8	96.5
B2	109	108	101.9	67.0	68.5	85.9	16.6	17.6	82.2
C2		106						16.4	
I2	118	108	110.3				18.7	19.1	92.6
J2	103	102	96.3				20.9	20.7	103.5
K2	115	115	107.5				22.0	22.9	108.9
G2	109	109	101.9				22.6	23.1	111.9
H2	103	102	96.3	72.0	73.7	92.3			
S2	105	106	99.1				16.0	19.0	89.1
T2	105	102	98.1						
W2	104	108	97.2	85.0	80.5	109.0			
X2	105	103	96.1	89.8	89.2	115.1			
Y2	107	106	100.0	71.1	71.0	91.2			
Z2	103	106	96.3		77.5		20.0	23.3	99.0
A3	102	102	95.3				21.7	20.6	107.4
B3	107	108	100.0				19.1	21.2	94.6
E3	106	108	99.1				21.5	19.8	106.4
K3	101	103	94.4	64.0	63.5	82.0			
L3		106						20.9	
M3	104	106	97.2	84.0	82.6	107.7	22.0	21.9	108.9
O3	103	100	96.3						
V3	104	104	97.2	93.8	86.5	120.2			
W3	108	106	100.9	76.0	72.8	97.4			
X3	120	112	112.1				21.5	19.7	106.4
Y3	115	110	107.5	70.0	69.3	89.7	19.1	18.8	94.6
Z3	103	98	96.3	74.0	72.2	94.9			
A4	103	107	96.3	92.5	91.9	118.6		21.3	
B4	116	106	108.4				17.7	16.9	87.6
C4	116	112	108.4				20.3	18.5	100.5
E4		115			94.0			24.2	
F4	110	111	102.8	87.0	83.6	111.5	23.0	22.1	113.9
G4	109	106	101.9	69.0	65.2	88.5			
H4	107	104	100.0						
I4	101	104	94.4	82.0	78.3	105.1	23.9	20.4	118.3
J4		114						17.9	
K4	102	101	95.3	79.0	78.3	101.3	21.9	20.3	105.4
M4	107	112	100.0	93.0	95.5	119.2			
N4	102	102	95.3	80.0	76.6	102.6			
U4	116	119	103.4	78.0	74.0	100.0			
FKBG	108	107	100.9	79.6	78.0	102.0	20.3	20.2	100.5

NOTE B IS GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 - 42 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
B1		5.6			42.1			12.6	
I1	6.0	5.9	101.7	42.1	42.1	99.5	11.6	11.5	99.1
J1	5.4	5.6	91.5	42.3	42.3	100.0	10.8	11.0	92.3
M1	4.9	5.1	83.0	42.1	42.7	99.5	11.8	12.2	100.8
T1		5.7		42.0	43.0	99.3	11.0	11.0	94.0
W1	6.3	6.2	106.8	42.7	42.5	100.9	11.8	12.1	100.8
X1	6.2	6.4	105.1	42.2	42.2	99.8	11.8	11.2	100.8
Y1	5.9	5.9	100.0	42.7	42.8	100.9	11.1	10.5	94.9
Z1	6.2	6.5	105.1	41.7	42.2	98.6	11.8	11.5	100.8
A2		6.0			42.1			12.0	
G2	5.8	5.8	98.3	42.3	42.3	100.0	12.1	12.2	103.4
C2		7.2			42.1			12.5	
I2	5.2	5.2	88.1	43.1	42.3	101.9	12.4	12.3	106.0
J2	6.0	6.0	101.7	42.1	42.2	99.5	11.6	11.2	99.1
K2	6.6	6.1	111.9	42.1	42.1	99.5	12.2	12.0	104.3
Q2	6.5	6.4	110.2	41.7	42.2	98.6	11.8	12.0	100.8
R2		6.0			41.8			11.6	
S2	6.2	6.2	105.1	42.1	42.1	99.5	11.0	10.9	94.0
T2	6.4	6.3	108.5	42.2	42.3	99.8	11.6	11.2	99.1
W2	5.6	5.3	94.9	42.2	42.3	99.8	12.4	12.1	106.0
X2	5.8	6.0	98.3	42.9	42.7	101.4	11.9	11.4	101.7
Y2	6.0	6.0	101.7	42.1	42.2	99.5	11.4	11.3	97.4
Z2	6.8	6.2	115.2	42.6	42.5	100.7	12.0	12.1	102.6
A3	6.7	6.7	113.6	42.2	42.2	99.8	12.0	12.0	102.6
E3	6.6	6.1	111.9	41.3	41.8	97.6	11.3	11.4	96.6
E3	7.0	7.3	118.6	42.1	42.0	99.5	11.0	11.6	94.0
K3	5.1	5.4	86.4	43.2	42.8	102.1	12.1	11.9	103.4
L3	6.5	6.8	110.2	42.1	42.1	99.5	12.6	12.0	107.7
M3	5.9	5.9	100.0	42.0	42.2	99.3	11.8	11.7	100.8
O3	6.2	6.0	105.1	42.3	42.4	100.0	12.0	12.2	102.6
V3	6.2	6.0	105.1	42.2	42.2	99.8	10.5	11.0	89.7
W3	5.6	5.5	94.9	42.0	41.8	99.3	12.2	12.4	104.3
X3		5.9			42.1			12.0	
Y3	6.2	5.9	105.1	42.1	42.1	99.5	11.4	11.5	97.4
Z3	5.1	5.6	86.4	42.0	42.5	99.3	11.7	11.5	100.0
A4	6.4	6.4	108.5	42.4	42.4	100.2	12.5	12.1	106.8
B4	5.1	5.2	86.4	43.1	42.1	101.9	12.9	12.4	110.2
C4	5.0	5.2	84.7	43.6	42.3	103.1	11.8	11.9	100.9
E4		5.8			42.3			11.2	
F4	5.7	5.8	96.6	42.2	42.3	99.8	11.4	11.2	97.4
G4	5.0	5.2	84.7	43.3	42.9	102.4	12.2	12.1	104.3
H4	5.5	5.4	93.2	42.1	42.1	99.5	12.0	11.5	102.6
I4	5.5	5.7	93.2	42.8	42.5	101.2	12.8	12.5	109.4
J4		3.6			42.1			10.7	
K4	5.0	5.2	84.7	43.1	42.7	101.9	12.9	12.7	110.2
M4	5.7	5.4	96.6	43.6	43.1	103.1	11.6	12.4	99.1
N4	6.2	6.2	105.1	42.1	42.1	99.5	11.3	11.2	96.6
U4	5.3	5.6	93.3	42.6	42.9	100.7	10.9	11.4	93.2
FKSG	5.9	5.9	100.0	42.4	42.3	100.2	11.8	11.7	100.8

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE XI (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 - 42 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
B1		106			80.2				
I1	102	104	95.3	73.0	71.8	93.1	20.5	20.3	101.5
J1	105	103	98.1	85.0	82.5	108.4			
N1	111	103	103.7	75.5		96.3			
T1	105	105	98.1						
W1	124	116	115.9	95.5	85.8	121.8			
X1	106	108	99.1				19.4	18.7	96.0
Y1	109	109	101.9	91.0	83.0	116.1			
Z1	124	118	115.9				19.3	20.2	95.5
A2		105			69.3			19.7	
B2	112	108	104.7	67.0	66.3	85.4	16.9	17.4	83.7
C2		106						16.4	
I2	110	110	102.8				17.4	19.0	86.1
J2	102	102	95.3				19.4	20.7	96.0
K2	120	115	112.1				23.0	22.6	113.9
G2	106	109	99.1				23.6	22.9	116.5
R2		102			73.3				
S2	105	106	96.1				18.6	18.9	92.1
T2	101	103	94.4						
W2	107	108	100.0	80.0	82.3	102.0			
X2	109	103	101.9	91.9	89.9	117.2			
Y2	114	106	106.5	72.5	70.8	92.5			
Z2	101	106	94.4				20.5	22.2	101.5
A3	102	102	95.3				20.0	20.9	99.0
G3	105	108	96.1				18.3	21.0	90.6
E3	106	109	99.1				21.0	20.5	104.0
K3	106	102	99.1	70.0	63.2	89.3			
L3	104	106	97.2				21.1	20.9	104.4
M3	106	106	99.1	86.5	82.8	110.3	23.0	21.7	113.9
O3	102	101	95.3						
V3	105	105	98.1	89.5	87.8	114.2			
W3	107	106	100.0	74.0	73.3	94.4			
X3		115						20.0	
Y3	110	111	102.8	72.0	70.2	91.8	19.5	19.0	96.5
Z3	103	99	96.3	65.0	72.0	82.9			
A4	102	105	95.3	89.4	92.4	114.0			
B4	108	109	100.9				17.0	17.2	84.2
C4	114	112	106.5				19.2	19.0	95.0
E4		115			94.0			24.2	
F4	110	112	102.8	85.5	84.7	109.0	22.5	22.0	111.4
G4	108	106	100.9	71.0	65.5	90.6			
H4	108	104	100.9				18.8		93.1
I4	104	103	97.2		78.8		23.2	21.0	114.3
J4		114						17.9	
K4	99	101	92.5		78.3		20.6	20.6	103.0
M4	114	112	106.5	102.5	96.2	130.7			
N4	103	102	96.3	80.0	77.1	102.0			
U4	108	113	100.9	72.0	75.0	91.8			
FK53	108	107	100.9	80.4	76.4	102.6	20.1	20.2	99.5

NOTE B IS GIVEN IN APPENDIX.

TABLE XXII

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1965 - 42 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
B1		5.6			42.1			12.6	
I1	5.9	5.9	100.0	42.1	42.1	99.5	11.7	11.6	100.0
J1	5.7	5.6	96.6	42.3	42.2	100.0	10.9	11.0	93.2
M1		4.9			42.1			11.8	
T1		5.8		42.0	42.8	99.3	11.4	11.0	97.4
W1	6.4	6.3	108.5	42.5	42.5	100.3	11.7	12.0	100.0
X1	6.3	6.4	106.8	42.1	42.2	99.5	11.5	11.4	98.3
Y1	5.8	5.9	98.3	42.6	42.7	100.7	11.3	10.6	96.6
Z1	6.5	6.5	110.2	41.8	42.2	98.8	12.2	11.6	104.3
A2		6.0			42.1			12.0	
B2	5.8	5.8	98.3	43.1	42.3	101.9	12.0	12.2	102.6
C2		7.2			42.1			12.4	
I2	5.1	5.2	86.4	42.2	42.4	99.8	12.1	12.4	103.4
J2	6.0	6.0	101.7	42.1	42.1	99.5	11.5	11.2	98.3
K2	6.4	6.2	108.5	42.1	42.1	99.5	11.8	12.0	100.8
Q2	5.9	6.6	100.0	41.5	42.1	98.1	12.0	11.9	102.8
R2	5.2	5.9	88.1	42.1	41.9	99.5	11.7	11.6	100.0
S2	6.1	6.2	103.4	42.1	42.1	99.5	11.1	10.9	94.9
T2	5.9	6.3	100.0	42.5	42.3	100.5	11.0	11.2	94.0
W2	5.5	5.4	93.2	42.3	42.3	100.0	11.9	12.1	101.7
X2	5.8	5.9	98.3	42.7	42.7	100.9	11.6	11.5	99.1
Y2	5.9	6.0	100.0	42.2	42.2	99.8	11.3	11.4	96.6
Z2	6.8	6.3	115.2	42.3	42.5	100.0	12.2	12.0	104.3
A3	6.6	6.7	111.9	42.2	42.2	99.8	12.0	12.0	102.6
E3	6.6	6.2	111.9	42.1	41.8	99.5	11.3	11.4	96.6
E3	6.9	7.2	116.9	42.1	42.1	99.5	11.1	11.6	94.9
K3	5.5	5.2	93.2	43.0	43.0	101.6	12.1	12.0	103.4
L3	6.5	6.7	110.2	42.2	42.1	99.8		12.2	
M3	5.9	5.9	100.0	42.2	42.1	99.8	11.9	11.7	101.7
Q3	6.1	6.0	103.4	42.4	42.4	100.2	12.0	12.1	102.6
V3	6.4	6.0	108.5	42.2	42.2	99.8	10.7	10.9	91.4
W3	5.6	5.5	94.9	42.1	41.8	99.5	12.0	12.4	102.6
X3	5.5	5.8	93.2	42.1	42.1	99.5	11.8	11.8	100.8
Y3	6.2	6.0	105.1	42.3	42.1	100.0	11.0	11.5	94.0
Z3	5.0	5.6	84.7	42.0	42.5	99.3	12.1	11.6	103.4
A4	6.4	6.4	108.5	42.4	42.4	100.2	12.5	12.3	106.8
B4	5.1	5.2	86.4	42.2	42.3	99.8	12.8	12.5	109.4
C4	5.1	5.1	86.4	42.3	42.5	100.0	11.9	11.9	101.7
E4		5.8			42.2			11.2	
F4	5.7	5.8	96.6	42.2	42.3	99.8	11.7	11.3	100.0
G4	4.9	5.0	83.0	43.4	43.1	102.6	12.3	12.1	105.1
H4	5.6	5.4	94.9	42.1	42.1	99.5	11.1	11.5	94.9
I4	5.6	5.6	94.9	42.7	42.6	100.9	11.5	12.6	98.3
J4		3.6			42.1			10.7	
K4	5.0	5.1	84.7	43.2	42.8	102.1	12.7	12.8	108.5
M4	5.9	5.5	100.0	42.8	43.3	101.2	11.4	12.2	97.4
N4	6.4	6.2	108.5	42.1	42.1	99.5	11.3	11.2	96.6
U4		5.0			42.9			11.3	
FKBG	5.9	5.9	100.0	42.3	42.3	100.0	11.7	11.7	100.0

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE XII (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1989 - 42 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. #3	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. #6	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. #2
G1		106			79.8				
I1	102	104	95.3	76.0	72.2	96.4	21.0	20.4	104.0
J1	107	104	100.0	84.1	83.7	106.7			
N1		111			75.5				
T1	102	104	95.3						
W1	116	118	108.4	89.0	87.4	112.9			
X1	107	108	100.0				19.5	18.8	96.5
Y1	107	108	100.0	93.0	88.0	118.0			
Z1	120	120	112.1				19.8	19.8	98.0
A2		105			69.3			19.7	
B2	111	108	103.7	71.0	67.7	90.1	18.4	17.3	91.1
C2		106						16.3	
I2	110	110	102.8				18.8	18.8	93.1
J2	105	102	98.1				21.8	20.4	107.9
K2	125	115	116.8				24.0	22.2	118.8
G2	110	109	102.8				22.6	23.0	112.9
R2	101	102	94.4	71.0	73.0	90.1			
S2	106	106	99.1				15.6	18.8	92.1
T2	105	103	95.1						
W2	106	108	99.1	79.0	83.0	100.2			
X2	104	104	97.2	89.8	90.2	114.0			
Y2	107	107	100.0	72.1	70.9	91.5			
Z2	103	104	96.3				20.9	21.7	103.5
A3	103	102	96.3				19.6	20.5	97.0
B3	104	107	97.2				20.8	20.5	103.0
E3	107	107	100.0				20.9	20.8	103.5
K3	104	102	97.2	61.0	64.3	77.4			
L3	108	105	100.9				20.8	21.0	103.0
M3	105	105	98.1	82.0	83.6	104.1	22.0	21.8	108.9
O3	101	102	94.4						
V3	103	105	96.3	99.3	88.6	126.0			
W3	106	107	99.1	75.0	73.3	95.2			
X3	109	117	101.9				20.8	20.3	103.0
Y3	109	111	101.9	70.0	71.0	88.8	19.1	19.2	94.6
Z3	102	100	95.3	69.5	70.0	88.2			
A4	101	104	94.4	89.9	92.6	114.1			
B4	107	108	100.0				17.9	17.3	88.6
C4	119	113	111.2				19.1	19.2	94.6
E4		116						24.0	
F4	108	111	100.9	84.0	85.2	106.5	22.0	21.8	108.9
G4	108	106	100.9	66.0	66.8	83.5			
H4	105	105	98.1	69.0		87.6	19.3	18.8	95.5
I4	108	104	100.9		79.2			21.7	
J4		114						17.9	
K4	101	101	94.4		78.4		22.2	20.5	109.9
M4	107	113	100.0	94.1	93.2	119.4			
N4	104	102	97.2	75.9	77.5	96.3			
U4		116			74.4				
FKEJ	107	107	100.0	79.1	73.8	100.4	20.4	20.2	101.0

TABLE XIII

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1959 - 69 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
J1	6.5	6.4	101.6	69.4	69.3	100.0	18.6	18.8	97.4
T1	6.2	6.6	96.9	70.1	69.9	101.0	19.4	17.5	101.6
W1	5.4	5.5	84.4	70.8	70.4	102.0	19.1	18.9	100.0
X1	6.3	6.6	98.4	69.5	69.6	100.1	19.2	19.0	100.5
Y1		6.5			69.9			18.9	
Z1	6.0	6.8	103.1	69.4	69.4	100.0	20.2	19.7	105.6
B2	5.9	5.8	92.2	69.6	69.6	100.3	20.5	20.3	107.3
C2		7.1			69.0			20.3	
J2	6.9	6.9	107.8	69.2	69.1	99.7	19.3	19.7	101.0
K2	7.5	7.4	117.2	69.2	69.2	99.7	19.1	19.4	100.0
R2	6.4	7.0	100.0	68.7	68.7	99.0	19.2	19.4	100.5
S2	6.3		95.4	69.7		100.4	19.6		102.6
T2	6.9	6.5	107.5	69.4	69.4	100.0	19.8	19.5	103.7
W2	5.5	5.4	85.9	69.4	69.5	100.0	19.6	19.8	102.6
X2	6.0	6.2	93.6	69.8	69.9	100.5	19.3	19.5	101.0
Y2	6.9	7.0	107.8	69.3	69.2	99.8	18.5	18.6	96.6
Z2	6.4	6.1	100.0	69.7	69.6	100.4	18.5	19.4	96.8
E3	6.8	6.4	106.2	68.4	68.6	98.6	18.9	19.4	99.0
E3	7.0	7.4	109.4	69.2	69.2	99.7	17.0	18.6	89.0
G3	5.9	6.0	92.2	68.5	68.3	98.7	20.4	20.2	106.5
X3	5.9	6.2	92.2	69.2	69.1	99.7	19.0	19.0	97.5
Y3	6.1	6.2	95.3	69.2	69.2	99.7	18.0	18.1	94.2
Z3	6.5	6.4	101.6	68.9	69.8	99.3	19.4	18.8	101.6
C4	5.7	5.7	89.1	69.3	69.4	99.8	18.2	18.5	95.3
E4		6.4			69.6			18.3	
F4	6.9	6.9	107.8	69.0	69.0	99.4	18.4	18.1	96.3
G4	5.2	5.9	81.2	70.9	69.9	102.2	19.7	19.5	103.1
H4	6.1	6.1	95.3	69.2	69.6	99.7	20.0	19.3	104.7
I4	6.0	6.8	93.8	69.5	70.0	100.6	19.7	20.0	103.1
J4	5.8	6.1	90.6	69.2	69.4	99.7	18.2	18.5	95.3
R4	5.7	5.6	89.1	69.4	69.7	100.0	19.8	19.1	103.7
W4	6.5	6.3	101.6	69.2	69.1	99.7	18.2	18.1	95.3
U4	5.9	6.1	92.2	70.2	69.7	101.2	19.3	18.9	101.0
FKBG	6.2	6.4	96.9	69.4	69.4	100.0	19.1	19.1	100.0

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE XIII (CONT)

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1959 - 69 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *8	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *8	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *8
J1	145	144	100.0	141.2	131.8	113.3			
T1	152	156	104.9						
W1	176	167	122.8	158.0	147.0	126.8			
X1	144	145	99.3				32.5	30.2	104.2
Y1		153			151.9				
Z1	163	152	112.4				30.2	30.5	96.8
B2	152	149	104.3	101.0	103.3	81.0	24.2	26.9	77.5
C2		142						26.7	
J2	141	137	97.2				31.6	32.1	101.3
K2	145	145	100.0				33.0	32.3	105.9
R2	131	130	90.3	120.0	127.5	96.3			
S2	147		101.4				28.9		92.6
T2	141	136	97.2						
W2	144	142	99.3	141.0	122.3	113.2			
X2	143	145	98.6	140.5	144.6	112.2			
Y2	155	149	106.9	121.4	121.1	97.4			
Z2	134	133	92.4		132.5		33.2	41.1	106.4
B3	141	144	97.2				29.4	32.7	94.2
E3	146	155	100.7				32.0	31.4	102.8
W3	160	152	110.3	123.0	122.0	98.7			
X3	147	143	101.4				31.0	29.0	99.4
Y3	162	155	111.7	119.0	112.3	95.5	31.6	30.2	101.9
Z3	134	135	92.4	136.0	124.5	109.1			
C4	155	145	106.9				32.3	31.0	103.5
E4		143			132.0			34.7	
F4	143	147	98.6	117.0	116.5	93.9	32.0	32.1	102.6
G4	137	138	94.5	113.0	110.2	90.7			
H4	135	136	93.1	125.3		100.6			
I4	143	143	98.6	132.0	116.2	105.9	35.9	29.4	115.1
J4	150	147	103.4				29.5	26.5	94.6
M4	155	154	106.9	145.2	148.9	117.3		33.5	
N4	143	144	98.6	134.2	134.2	107.5			
U4	137	135	94.5	114.0	116.2	91.5			
FRB3	147	145	101.4	123.4	124.6	103.0	31.2	31.2	100.0

NOTE 8 IS GIVEN IN APPENDIX.

TABLE XIV

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1939 - 69 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
J1	6.6	6.4	103.1	69.6	69.3	100.3	18.3	18.7	95.8
T1		6.4		68.5	70.0	98.7	19.2	17.8	100.5
W1	6.1	5.4	95.3	70.2	70.6	101.2	18.6	19.0	97.4
X1	6.2	6.3	96.9	69.4	69.5	100.0	19.6	19.2	102.6
Y1		6.4			70.0			17.3	
Z1	6.7	6.8	104.7	69.1	69.4	99.5	20.4	19.9	106.5
G2	5.8	5.8	90.6	69.6	69.6	100.3	20.2	20.1	105.8
C2		7.1			69.0			20.2	
J2	6.9	6.9	107.8	69.2	69.1	99.7	19.1	19.6	100.0
K2	7.6	7.4	118.8	69.2	69.2	99.7	19.0	19.4	99.5
R2		6.9			68.7			19.5	
S2	6.3	6.3	95.4	69.3	69.7	99.8	19.6	19.6	102.6
T2	7.1	6.9	110.9	69.7	69.4	100.4	20.1	19.5	105.2
W2	5.7	5.5	89.1	69.5	69.4	100.1	20.5	19.7	107.3
X2	6.1	6.2	95.3	69.5	69.9	100.1	20.2	19.5	105.8
Y2	7.0	7.0	109.4	69.2	69.2	99.7	18.2	18.5	95.3
Z2	6.6	6.2	103.1	70.2	69.7	101.2	19.1	19.5	100.0
G3	7.0	6.4	109.4	68.3	68.5	98.4	17.7	19.4	92.7
E3	7.0	7.4	109.4	69.1	69.1	99.6	16.9	18.3	88.5
W3	6.3	6.0	98.4	68.9	68.3	99.3	19.7	20.2	103.1
X3		6.1			69.2			19.6	
Y3	6.7	6.2	104.7	69.2	69.2	99.7	17.6	18.0	92.1
Z3	6.5	6.5	101.6	69.0	69.7	99.4	19.0	18.8	99.5
C4	5.5	5.7	85.9	70.5	69.3	101.6	16.3	18.6	95.8
E4		6.3			69.6			18.2	
F4	6.9	6.9	107.8	68.9	69.0	99.3	18.2	18.1	95.3
G4	5.2	5.7	81.2	70.9	70.2	102.2	19.7	19.5	103.1
H4	5.8	6.1	90.6	69.7	69.6	100.4	19.6	19.3	102.6
I4	6.4	6.7	100.0	69.6	70.0	100.3	19.4	20.0	101.6
J4	6.1	6.0	95.3	69.2	69.3	99.7	18.2	18.4	95.3
M4	5.9	5.6	92.2	69.3	69.7	99.8	18.1	19.2	94.8
N4	6.6	6.3	103.1	69.1	69.1	99.6	18.9	18.1	99.0
U4	5.9	6.0	92.2	70.3	69.8	101.3	16.8	18.9	98.4
FKBG	6.4	6.4	100.0	69.4	69.4	100.0	19.0	19.1	99.5

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE XIV (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 – 69 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUR. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUR. AV.	CD STFI LB/IN IND. *B
J1	143	144	98.6	138.7	134.8	110.3			
T1	151	153	104.1						
W1	212	172	146.2	167.0	152.5	132.8			
X1	145	144	100.0				31.4	32.5	100.6
Y1		150			154.6				
Z1	157	154	108.3				29.5	30.7	94.6
B2	158	150	109.0	110.0	106.5	87.5	25.5	25.1	81.7
C2		141						26.7	
J2	143	138	98.6				31.4	32.0	100.6
K2	150	145	103.4				33.5	32.6	107.4
R2		131			125.8				
S2	144	147	99.3				28.5	28.9	92.6
T2	137	137	94.5						
W2	148	144	102.1	130.0	127.3	103.4			
X2	148	144	102.1	148.4	143.9	112.0			
Y2	159	151	109.6	121.6	121.8	96.7			
Z2	132	138	91.0				33.4	39.5	107.0
E3	140	144	96.6				27.8	31.3	89.1
E3	156	152	109.0				32.6	32.0	104.5
W3	154	134	106.2	113.0	122.5	93.9			
X3		145						29.2	
Y3	162	157	111.7	120.0	114.5	95.5	32.2	30.7	103.2
Z3	131	135	90.3	120.0	124.9	95.5			
C4	152	148	104.8				31.0	31.1	99.4
E4		144			152.0			34.7	
F4	145	147	100.0	119.0	117.5	94.7	30.5	31.8	97.8
G4	138	138	95.2	116.0	111.2	92.3			
H4	136	136	93.8		125.3		28.2		90.4
I4	144	143	99.3		119.3		34.0	31.2	109.0
J4	148	148	102.1				29.1	28.6	93.3
M4	156	154	107.6	151.1	149.6	120.2			
N4	144	144	99.3	132.5	134.2	105.4			
U4	141	137	97.2	119.5	113.8	95.1			
FKB6	149	145	102.8	129.4	125.7	102.9	30.6	31.2	98.1

NOTE B IS GIVEN IN APPENDIX.

TABLE XV

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1989 - 69 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
J1	6.4	6.4	100.0	69.4	69.4	100.0	18.3	18.6	95.8
T1		6.4		68.9	69.8	99.3	19.4	18.1	101.6
W1	5.9	5.7	92.2	69.6	70.5	100.3	19.1	18.9	100.0
X1		6.2			69.4			19.4	
Y1		6.7			70.0			17.4	
Z1		6.7			69.3			20.0	
B2	5.8	5.8	90.6	70.8	69.6	102.0	19.9	20.2	104.2
C2		7.1			69.1			20.1	
J2	6.9	6.9	107.8	69.2	69.2	99.7	20.3	19.5	106.3
K2	7.6	7.5	118.8	69.3	69.2	99.8	18.8	19.4	98.4
R2	5.4	6.9	84.4	68.9	68.7	99.3	19.2	19.5	100.5
S2		6.3			69.5			19.6	
T2	6.8	6.9	106.2	69.4	69.4	100.0	19.7	19.6	103.1
W2	5.7	5.5	89.1	69.3	69.4	99.8	19.4	19.7	101.6
X2	6.3	6.1	96.4	69.9	69.8	100.7	20.1	19.5	105.2
Y2	7.0	7.0	109.4	69.3	69.2	99.8	18.2	18.5	95.3
Z2	6.6	6.3	103.1	69.6	69.8	100.3	19.2	19.4	100.5
B3	7.0	6.6	109.4	65.1	68.4	98.1	18.1	19.0	94.8
E3	6.9	7.3	107.8	69.2	69.2	99.7	17.0	15.2	89.0
W3	5.9	6.1	92.2	68.6	68.4	98.8	19.7	20.1	103.1
X3	6.5	6.1	101.6	69.3	69.2	99.5	19.3	19.6	101.0
Y3	6.5	6.3	101.6	69.5	69.2	100.1	17.6	17.8	92.1
Z3	6.5	6.5	101.6	62.9	69.6	99.3	19.2	18.9	100.5
C4	5.7	5.7	89.1	69.1	69.5	99.6	18.6	13.5	98.4
E4		6.3			69.6			18.9	
F4	6.9	6.9	107.8	68.9	69.0	99.3	18.5	18.1	96.8
G4	5.3	5.5	82.8	70.9	70.5	102.2	19.7	19.7	103.1
H4	6.0	6.0	93.8	69.6	69.7	100.3	18.5	19.4	96.8
I4	6.5	6.6	101.6	70.2	70.0	101.2	19.4	19.9	101.6
J4	6.2	6.0	96.9	69.2	69.2	99.7	18.2	18.3	95.3
M4	6.0	5.7	93.8	69.4	69.7	100.0	18.0	19.1	94.2
N4	6.7	6.4	104.7	69.2	69.1	99.7	12.9	18.2	99.0
U4	6.0	6.0	93.8	70.3	69.9	101.3	16.9	18.8	99.0
FKBG	6.3	6.4	98.4	69.4	69.4	100.0	18.9	19.1	99.0

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE XV (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1989 - 69 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
J1	142	145	97.3	142.3	136.8	112.8			
T1	142	152	97.3						
W1	184	186	126.0	147.0	157.3	116.5			
X1		144						32.0	
Y1		144			149.4				
Z1		156						30.3	
B2	159	152	108.9	116.0	107.0	91.9		25.2	
C2		140						27.0	
J2	136	139	93.2				32.2	32.0	103.9
K2	160	145	109.6				34.0	32.5	109.7
R2	126	131	86.3	125.0	126.0	99.0			
S2		146						28.9	
T2	139	138	95.2						
W2	146	145	100.0	126.0	129.7	99.8			
X2	143	146	97.9	142.6	145.4	113.0			
Y2	158	153	108.2	128.1	121.5	101.5			
Z2	133	137	91.1				34.4	35.7	111.0
B3	149	142	102.0				30.5	30.7	99.4
E3	154	150	105.5				31.6	32.2	101.9
W3	154	155	105.5	122.0	121.7	96.7			
X3	149	145	102.0				34.4	29.4	111.0
Y3	162	157	111.0	124.0	116.2	95.2	33.1	31.2	136.8
Z3	130	137	89.0	129.5	122.2	102.6			
C4	143	149	97.9				29.7	31.2	95.8
E4		144						34.2	
F4	145	147	99.3	118.0	118.4	93.5	31.0	31.2	100.0
G4	138	138	94.5	111.0	111.4	88.0			
H4	136	136	93.2	120.6	125.3	95.6	29.8	28.2	96.1
I4	142	144	97.3		120.0		33.4	32.4	107.7
J4	147	149	100.7				28.6	28.6	92.2
M4	147	156	100.7	147.1	150.9	116.6			
N4	154	145	105.5	133.0	133.8	105.4			
U4	144	138	98.6	118.0	114.8	93.5			
FKBG	147	146	100.7	128.1	126.2	101.5	31.9	31.0	102.9

NOTE B IS GIVEN IN APPENDIX.

TABLE XVI

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 90 LB KRAFT LINERBOARD

CODE	MOISTURE CONTENT *PERCENT CUR. AV.	CUM. AV.	IND. *B	ADJ. BASIS WT. *A LB/M SQ FT CUR. AV.	CUM. AV.	IND. *B	CALIPER MIL CUR. AV.	CUM. AV.	IND. *B
J1	6.8	6.7	101.5	90.3	90.6	99.8	24.9	25.3	99.2
Z1	6.6	7.0	98.5	90.2	90.7	99.7	25.3	26.1	100.8
K2	7.6	7.4	113.4	90.4	90.3	99.9	25.0	25.1	99.6
T2	7.4	7.1	110.4	90.3	90.3	99.8	25.7	25.8	102.4
W2	5.6	5.6	83.6	90.5	90.6	100.0	26.6	25.9	106.0
W3	8.3	8.4	123.9	91.7	89.9	101.3	26.6	26.7	106.0
Y3	6.3	6.3	94.0	90.1	90.2	99.6	22.1	24.2	88.0
Z3	6.4	7.3	95.5	90.1	90.7	99.6	25.2	25.2	100.4
C4	5.9	6.0	88.0	90.2	90.2	99.7	23.3	24.2	92.8
I4	6.2	6.5	92.5	91.4	91.9	101.0	24.0	26.3	95.6
J4	5.6	6.1	83.6	90.3	90.2	99.8	23.7	24.1	94.4
M4	5.6	5.7	83.6	90.5	90.6	100.0	25.6	25.8	102.0
U4	5.8	6.0	86.6	91.9	90.9	101.5	25.4	24.7	101.2
FKBG	6.5	6.7	97.0	90.6	90.5	100.1	24.9	25.1	99.2

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE XVI (CONT)

AVERAGES OF MILL QUALITY DATA FOR JAN-FEB, 1989 - 90 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	CUM. AV.	IND. *B	CD RING CRUSH, LB CUR. AV.	CUM. AV.	IND. *B	CD STFI LB/IN CUR. AV.	CUM. AV.	IND. *B
J1	166	164	95.4	176.4	159.4	110.1			
Z1	173	170	99.4				36.0	39.2	88.2
K2	178	174	102.3				42.C	42.2	102.9
T2	173	168	99.4						
W2	169	172	97.1	174.0	177.5	108.6			
W3	185	186	106.3	138.0	140.8	86.1			
Y3	186	184	106.9	158.0	146.3	92.6	42.C	39.1	102.9
Z3	154	155	88.5	176.0	160.5	109.9			
C4	180	169	103.4				44.2	42.3	108.3
I4	190	178	109.2		149.0				
J4	186	183	106.9				41.1	41.0	100.7
M4	199	179	114.4	194.1	193.0	121.2			
U4	174	164	100.0	156.0	164.8	97.4			
FKBJ	176	174	102.3	167.5	160.2	104.6	41.1	40.3	100.7

NOTE B IS GIVEN IN APPENDIX.

TABLE XVII

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1969 - 90 LB KRAFT LINERBOARD

	MOISTURE CONTENT PERCENT			ADJ. BASIS WT. *A LB/M SQ FT			CALIPER MIL		
CODE	CUR. AV.	CUM. AV.	IND. *B	CUR. AV.	CUM. AV.	IND. *B	CUR. AV.	CUM. AV.	IND. *B
J1	6.9	6.7	103.0	90.4	90.5	99.9	24.5	25.2	97.6
Z1	6.8	6.9	101.5	89.6	90.6	99.0	25.0	26.0	99.6
K2	7.6	7.4	113.4	90.5	90.3	100.0	24.9	25.2	99.2
T2	7.6	7.1	113.4	91.0	90.3	100.5	26.4	25.7	105.2
G2	6.2	5.6	92.5	90.4	90.6	99.9	27.4	26.1	109.2
W3	8.3	8.4	123.9	91.4	90.2	101.0	26.0	26.7	103.6
Y3	6.7	6.4	100.0	90.3	90.2	99.5	23.8	23.2	94.9
Z3	6.7	7.2	100.0	90.2	90.5	99.7	26.5	25.2	105.6
C4	5.9	6.0	83.0	90.9	90.2	100.4	23.6	24.1	94.0
I4	6.3	6.4	94.0	91.1	91.8	100.7	23.8	26.0	94.8
J4	5.9	6.1	88.0	90.3	90.1	99.8	23.9	24.0	95.2
M4	5.9	5.7	83.0	90.6	90.6	100.1	22.6	25.6	90.9
U4	5.9	6.0	83.0	92.0	91.0	101.6	24.7	24.8	95.4
FK55	6.7	6.7	100.0	90.7	90.5	100.2	24.9	25.1	99.2

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE XVII (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAR-APR, 1989 - 90 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
J1	166	164	94.8	165.9	165.2	102.5			
Z1	169	170	96.6				39.0	38.9	95.4
K2	192	173	109.7				43.0	42.2	105.1
T2	173	172	98.8						
W2	172	171	98.3	153.0	176.3	94.6			
W3	183	186	104.6	141.0	140.3	87.1			
Y3	180	184	102.8	147.0	149.2	90.8	39.4	39.8	96.3
Z3	152	154	86.8	193.0	163.4	119.3			
C4	178	171	101.7				42.2	42.3	103.2
I4	188	180	107.4		149.0	-			
J4	188	190	107.4				42.0	40.6	102.7
M4	194	185	110.8	197.2	194.3	121.9			
U4	172	166	98.3	156.0	163.0	96.4			
FKBG	176	175	101.7	164.7	161.8	101.3	41.1	40.9	100.5

NOTE B IS GIVEN IN APPENDIX.

TABLE XVIII

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1959 - 9C LE KRAFT LINERBOARD

CODE	MOISTURE CONTENT PERCENT			ADJ. BASIS WT. *A LB/M SQ FT			CALIPER MIL		
	CUR. AV.	CUM. AV.	IND. *B	CUR. AV.	CUM. AV.	IND. *B	CUR. AV.	CUM. AV.	IND. *B
J1	6.9	6.8	103.0	90.5	90.5	100.0	24.3	25.0	96.8
Z1		6.8			90.4			25.8	
K2	7.6	7.5	113.4	90.4	90.4	99.9	24.5	25.2	97.6
T2	7.2	7.2	107.5	90.3	90.4	99.8	25.2	25.9	100.4
W2	5.8	5.9	86.6	90.6	90.5	100.1	26.7	26.4	106.4
W3	8.5	8.4	126.9	90.4	90.4	99.9	26.1	26.7	104.0
Y3	6.4	6.4	95.5	90.6	90.2	100.1	23.6	23.6	94.0
Z3	6.8	7.2	101.5	89.9	90.3	99.3	25.2	25.4	100.4
C4		6.0			90.4			24.0	
I4	6.5	6.4	97.0	92.1	91.6	101.8	25.0	25.4	99.6
J4	6.0	6.0	89.6	90.3	90.1	99.8	23.8	24.0	94.8
M4	6.0	5.7	89.6	90.2	90.6	99.7	22.7	25.0	90.4
U4	6.0	5.9	89.6	91.7	91.3	101.3	25.2	24.7	100.4
FKSG	6.7	6.7	100.0	90.6	90.5	100.1	24.5	25.1	93.8

NOTES A AND B ARE GIVEN IN APPENDIX.

TABLE XVIII (CONT)

AVERAGES OF MILL QUALITY DATA FOR MAY-JUN, 1985 - 90 LB KRAFT LINERBOARD

CODE	BURST PSIG CUR. AV.	BURST PSIG CUM. AV.	BURST PSIG IND. *B	CD RING CRUSH, LB CUR. AV.	CD RING CRUSH, LB CUM. AV.	CD RING CRUSH, LB IND. *B	CD STFI LB/IN CUR. AV.	CD STFI LB/IN CUM. AV.	CD STFI LB/IN IND. *B
J1	160	165	90.9	183.0	165.8	112.1			
Z1		172						38.9	
K2	204	175	115.9				42.0	42.0	102.7
I2	175	171	99.4						
W2	171	171	97.2	157.0	170.5	96.2			
L3	190	186	105.0	145.0	140.3	90.7			
Y3	174	184	96.9	166.0	150.7	101.7	44.3	40.2	108.3
Z3	146	154	83.0	191.5	163.3	117.3			
C4		172						42.4	
I4	183	185	104.0		152.0		44.2		104.1
J4	185	191	105.1				41.5	40.5	101.5
M4	196	188	111.4	195.9	190.9	121.9			
U4	158	157	95.4	159.0	162.8	97.4			
FKBS	177	176	100.6	171.9	163.2	105.3	43.0	40.9	105.1

NOTE 5 IS GIVEN IN APPENDIX.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified period varies for these reasons: A machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified period, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified period (so that a cumulative average is available), to be included in a given table.

TABLE XIX

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

JAN-FEB, MAR-APR, MAY-JUN, 1989

Code	Conditioning Environment: Are Quality Samples Conditioned Before Testing?	Procedure: Time	Procedure: Temp., °F	Procedure: RH, %	Testing Environment: Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	—	—	—	Yes: 70 ± 2°F; 50 ± 2% RH
B1	No	—	—	—	Yes: 72 ± 3°F; 50 ± 2% RH
F1	No	—	—	—	Yes: 73 ± 3°F; 50 ± 2% RH
I1	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
J1	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
K1	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
T1	Yes	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
W1	No	—	—	—	Yes: 73 ± 3°F; 50 ± 1% RH
X1	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
Y1	No	—	—	—	Yes: 73 ± 3°F; 50 ± 2% RH
Z1	No	—	—	—	Yes: 73°F; 50 % RH
A2	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
B2	No	—	—	—	No
C2	No data has been submitted for this period			—	
H2	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
I2	No	—	—	—	Yes: 70 ± 4°F; 50 ± 5% RH
J2	Yes	7 min	—	—	Yes: 72 ± 2°F; 50 ± 2% RH
K2	No	—	—	—	Yes: 73°F; 50 % RH
Q2	No	—	—	—	Yes: 73°F; 50 % RH
R2	No	—	—	—	Yes:
S2	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
T2	No	—	—	—	Yes: 72 ± 5°F; 50 ± 5% RH
W2	No	—	—	—	Yes: 72 ± 3°F; 50 ± 2% RH
X2	No	—	—	—	Yes: 73 ± 3°F; 50 ± 2% RH
Y2	No	—	—	—	No:
Z2	No	—	—	—	No
A3	No	—	—	—	Yes: 73 ± 3°F; 50 ± 5% RH
B3	Yes	15 min	—	—	Yes: 73 ± 2°F; 50 ± 1% RH
C3	No	—	—	—	No
E3	No	—	—	—	No
K3	No	—	—	—	No
L3	No	—	—	—	No
M3	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
O3	No	—	—	—	Yes: 72 ± 5°F; 50 ± 5% RH
P3	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
V3	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
W3	No	—	—	—	Yes: 70 ± 2°F; 50 ± 2% RH
X3	Yes	—	—	—	Yes: 72 ± 2°F; 50 ± 2% RH
Y3	No	—	—	—	Yes: 72 ± 2°F; 50 ± 1% RH
Z3	No	—	—	—	No
A4	No	—	—	—	Yes: 73 ± 3°F; 50 ± 2% RH
B4	No	—	—	—	Yes: 70 ± 4°F; 50 ± 5% RH
C4	No	—	—	—	Yes: 70 ± 4°F; 50 ± 5% RH
E4	No data has been submitted for this period			—	
F4	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
G4	No	—	—	—	No
H4	No	—	—	—	Yes: 72 ± 2°F; 50 ± 2% RH
I4	No	—	—	—	Yes: 72 ± 3°F; 50 ± 2% RH
J4	No	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
K4	No	—	—	—	Yes: 72 ± 3°F; 50 ± 2% RH
L4	Yes	—	—	—	Yes: 73 ± 2°F; 50 ± 2% RH
M4	No	—	—	—	Yes: 73 ± 3°F; 50 ± 2% RH
N4	No	—	—	—	No
R4	No	10 min	—	—	Yes: 72 ± 2°F; 50 ± 2% RH
U4	No	10 min	—	—	Yes: 72 ± 2°F; 50 ± 2% RH

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APPENDIX

NOTES A AND B USED IN TABULATIONS OF MILL DATA

Notes A and B used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$\text{ABW} = \text{RBW}\left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)}\right]$$

Note B:

$$\text{Machine index (\%)} = \left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$$

where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^{b} \text{ for previous 6 periods excluding CFKBGA for current period}}{6}$$

$$\text{F.K.B.G. index (\%)} = \left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$$

where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^{a} \text{ for current period for all machines}}{\text{Number of machines}}$$

[a]CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given period on a specific machine.
[b]CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given period.