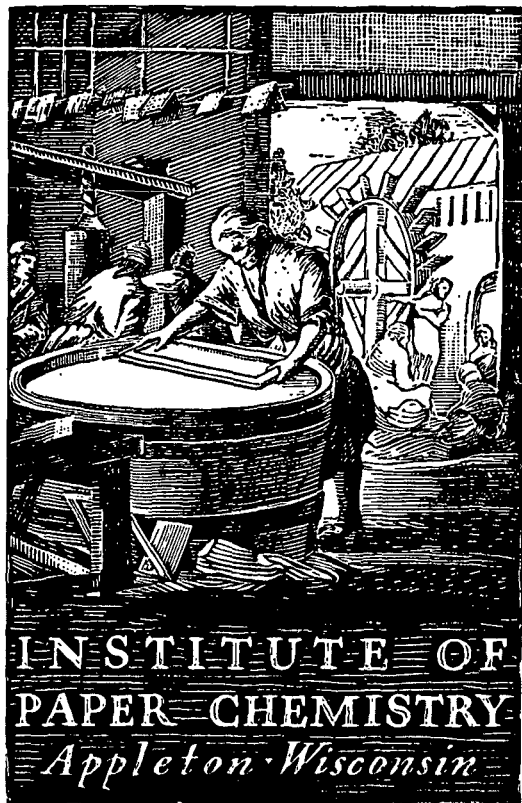


BASE-LINE

MARCH-APRIL, 1972



CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR MARCH AND APRIL, 1972)

Project 2694-1

Report Thirty-Two  
A Progress Report  
to

FOURDRINIER KRAFT BOARD INSTITUTE, INC.

This material is intended only for the internal use of authorized  
persons within Fourdrinier Kraft Board Institute member companies

June 23, 1972

BASE-LINE  
MARCH-APRIL, 1972

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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(MILL LINERBOARD DATA FOR MARCH AND APRIL, 1972)

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR MARCH AND APRIL, 1972)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA  
(JANUARY-APRIL, 1972)

Linerboard Grade Wt.		Moisture Content			
		January	February	March	April
26 Lb.	Max. <sup>a</sup>	6.3	6.2	6.1	6.1
	Min. <sup>a</sup>	1.9	2.3	3.2	2.0
	Av. <sup>b</sup>	4.2 (25)	4.3 (22)	4.6 (17)	4.5 (16)
33 Lb.	Max. <sup>a</sup>	6.1	6.2	6.1	6.5
	Min. <sup>a</sup>	3.3	2.9	2.7	2.7
	Av. <sup>b</sup>	4.6 (23)	4.6 (27)	4.6 (23)	4.6 (20)
38 Lb.	Max. <sup>a</sup>	6.5	6.5	6.8	6.7
	Min. <sup>a</sup>	3.2	3.5	3.6	3.1
	Av. <sup>b</sup>	4.9 (25)	5.0 (25)	4.9 (21)	5.1 (23)
42 Lb.	Max. <sup>a</sup>	7.0	7.1	7.2	6.8
	Min. <sup>a</sup>	4.0	4.0	3.8	4.0
	Av. <sup>b</sup>	5.2 (34)	5.3 (36)	5.2 (34)	5.3 (34)
69 Lb.	Max. <sup>a</sup>	7.8	8.1	8.0	7.3
	Min. <sup>a</sup>	3.8	3.7	4.1	3.7
	Av. <sup>b</sup>	5.9 (29)	5.9 (29)	5.9 (29)	5.8 (28)
90 Lb.	Max. <sup>a</sup>	8.2	7.9	8.3	8.0
	Min. <sup>a</sup>	3.7	3.7	3.8	4.2
	Av. <sup>b</sup>	6.2 (18)	6.2 (14)	6.2 (20)	6.0 (18)

<sup>a</sup>Current machine average.

<sup>b</sup>Current F.K.I. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA  
(JANUARY-APRIL, 1972)

Linerboard Grade Wt.		Adjusted Basis Weight, lb./M ft. <sup>2</sup>			
		January	February	March	April
26 Lb.	Max. <sup>a</sup>	28.2	27.8	28.0	27.9
	Min. <sup>a</sup>	26.1	25.8	25.8	26.0
	Av. <sup>b</sup>	26.9 (26)	26.8 (22)	26.8 (18)	26.8 (16)
33 Lb.	Max. <sup>a</sup>	34.6	34.7	34.7	35.0
	Min. <sup>a</sup>	32.5	32.7	32.8	33.0
	Av. <sup>b</sup>	33.7 (24)	33.6 (27)	33.6 (23)	33.8 (21)
38 Lb.	Max. <sup>a</sup>	39.9	39.9	39.7	39.7
	Min. <sup>a</sup>	38.0	38.0	38.1	38.0
	Av. <sup>b</sup>	38.9 (26)	38.8 (25)	38.7 (22)	38.7 (24)
42 Lb.	Max. <sup>a</sup>	44.2	43.2	43.3	43.9
	Min. <sup>a</sup>	41.7	42.0	42.0	41.9
	Av. <sup>b</sup>	42.7 (36)	42.7 (38)	42.6 (37)	42.7 (36)
69 Lb.	Max. <sup>a</sup>	72.7	71.2	70.7	70.9
	Min. <sup>a</sup>	67.5	68.7	68.8	68.5
	Av. <sup>b</sup>	69.8 (31)	69.8 (30)	69.7 (32)	69.8 (29)
90 Lb.	Max. <sup>a</sup>	92.5	91.9	92.6	92.5
	Min. <sup>a</sup>	88.2	87.8	87.7	88.1
	Av. <sup>b</sup>	90.7 (20)	90.7 (14)	90.8 (22)	90.8 (19)

<sup>a</sup>Current machine average.

<sup>b</sup>Current F.K.I. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA  
 (JANUARY-APRIL, 1972)

Linerboard Grade Wt.		Caliper, pt.			
		January	February	March	April
26 Lb.	Max. <sup>a</sup>	8.9	9.4	8.7	8.5
	Min. <sup>a</sup>	6.5	6.6	7.0	7.0
	Av. <sup>b</sup>	7.8 (25)	7.9 (23)	7.8 (17)	7.8 (16)
33 Lb.	Max. <sup>a</sup>	10.8	11.1	10.8	10.6
	Min. <sup>a</sup>	8.7	8.1	8.4	8.6
	Av. <sup>b</sup>	9.7 (23)	9.6 (27)	9.6 (24)	9.7 (21)
38 Lb.	Max. <sup>a</sup>	11.7	11.8	12.1	11.5
	Min. <sup>a</sup>	9.7	9.3	9.6	10.0
	Av. <sup>b</sup>	10.8 (25)	10.9 (25)	11.0 (22)	10.9 (23)
42 Lb.	Max. <sup>a</sup>	13.3	13.5	13.2	13.7
	Min. <sup>a</sup>	10.7	10.9	11.0	11.1
	Av. <sup>b</sup>	11.9 (35)	11.9 (37)	12.0 (36)	12.0 (35)
69 Lb.	Max. <sup>a</sup>	22.5	21.0	22.3	21.2
	Min. <sup>a</sup>	18.0	17.8	18.3	18.3
	Av. <sup>b</sup>	19.7 (30)	19.6 (29)	19.6 (31)	19.5 (28)
90 Lb.	Max. <sup>a</sup>	27.6	27.1	27.8	27.8
	Min. <sup>a</sup>	23.2	23.2	22.9	22.7
	Av. <sup>b</sup>	25.6 (19)	25.6 (15)	25.4 (21)	25.1 (18)

<sup>a</sup>Current machine average.

<sup>b</sup>Current F.K.I. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA  
(JANUARY-APRIL, 1972)

Linerboard Grade Wt.		Bursting Strength, p.s.i.g.			
		January	February	March	April
26 Lb.	Max. <sup>a</sup>	85	94	88	86
	Min. <sup>a</sup>	66	65	67	65
	Av. <sup>b</sup>	73 (26)	73 (23)	74 (18)	75 (16)
33 Lb.	Max. <sup>a</sup>	98	108	100	98
	Min. <sup>a</sup>	78	79	79	79
	Av. <sup>b</sup>	88 (25)	88 (28)	87 (25)	88 (21)
38 Lb.	Max. <sup>a</sup>	114	115	111	119
	Min. <sup>a</sup>	90	89	92	90
	Av. <sup>b</sup>	98 (26)	99 (26)	98 (23)	100 (24)
42 Lb.	Max. <sup>a</sup>	120	120	120	121
	Min. <sup>a</sup>	102	101	100	100
	Av. <sup>b</sup>	107 (36)	107 (38)	107 (37)	107 (36)
69 Lb.	Max. <sup>a</sup>	156	163	168	157
	Min. <sup>a</sup>	132	133	134	136
	Av. <sup>b</sup>	144 (31)	145 (30)	144 (32)	144 (29)
90 Lb.	Max. <sup>a</sup>	187	199	216	206
	Min. <sup>a</sup>	159	159	162	161
	Av. <sup>b</sup>	172 (20)	176 (15)	174 (22)	174 (19)

<sup>a</sup> Current machine average.

<sup>b</sup> Current F.K.I. average, number of machines is indicated in parentheses.

## INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.I., Inc. Mill data are included for moisture content, basis weight, caliper, and bursting strength 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 month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages 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, basis weight (reported and adjusted), caliper, and bursting strength are compiled in the following tables.

Table Number	Description
I - II	Mill Test Averages on 26-lb. Linerboard
III - IV	Mill Test Averages on 33-lb. Linerboard
V - VI	Mill Test Averages on 38-lb. Linerboard
VII - VIII	Mill Test Averages on 42-lb. Linerboard
IX - X	Mill Test Averages on 69-lb. Linerboard
XI - XII	Mill Test Averages on 90-lb. Linerboard

TABLE I  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. FOURDRINIER KRAFT LINERBOARD  
MARCH, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.7	5.7	100.0	129.5	26.2	26.4	99.2	100.8	26.3	26.5	99.2	98.1					69	68	101.5	94.5
B1		5.6				26.1				26.7				8.8			75			
E1	4.2	3.5	120.0	95.4	26.7	26.2	101.9	102.7	26.8	27.4	97.8	100.0	7.6	7.9	96.2	97.4	81	77	105.2	111.0
F1		4.7				25.8				26.7				8.5			72			
G1	4.7	4.9	95.9	106.8	26.5	26.4	100.4	101.9	26.9	26.8	100.4	100.4	7.4	7.5	98.7	94.9	67	68	98.5	91.8
I1		3.8				25.4				26.5				6.7			72			
K1		5.7			26.7	26.9	99.2	102.7	26.9	27.0	99.6	100.4	7.9	7.0	112.8	101.3	72	74	97.3	98.6
L1	4.5	4.2	107.1	102.3	26.0	26.2	99.2	100.0	26.9	27.2	98.9	100.4	7.8	8.1	96.3	100.0	88	83	106.0	120.5
N1	4.4	4.1	107.3	100.0	25.9	25.8	100.4	99.6	26.9	26.8	100.4	100.4	7.5	7.2	104.2	96.2	69	70	98.6	94.5
O1		4.8				25.7				26.6				8.4			68			
Q1		4.2				26.6				26.8				8.0			79			
R1		2.3				26.3				27.9				8.5			68			
W1		3.7				26.4				26.6				7.8			80			
X1	4.4	5.0	88.0	100.0	25.6	25.6	100.0	98.5	26.5	26.4	100.4	98.9	8.6	8.3	103.6	110.2	77	77	100.0	105.5
Y1	6.1	6.0	101.7	138.6	25.3	25.7	98.4	97.3	25.8	26.2	98.5	96.3	7.0	7.9	88.6	89.7	68	71	95.8	93.2
Z1	4.9	4.9	100.0	111.4	26.4	26.4	100.0	101.5	27.2	27.2	100.0	101.5	7.8	8.0	97.5	100.0	71	72	98.6	97.3
C2		5.4				26.6				26.8				8.0			67			
D2		3.0				26.8				28.2				8.2			72			
F2	4.9	4.4	111.4	111.4	25.3	25.6	98.8	97.3	26.1	26.6	98.1	97.4	7.2	7.0	102.8	92.3	75	73	102.7	102.7
G2	4.4	4.1	107.3	100.0	25.9	26.1	99.2	99.6	26.9	27.2	98.9	100.4	8.2	8.1	101.2	105.1	80	78	102.6	109.6
I2	4.2	3.8	110.5	95.4	26.1	26.0	100.4	100.4	27.1	27.1	100.0	101.1	7.9	7.6	103.9	101.3	73	72	101.4	100.0
K2	3.8	3.6	105.6	86.4	26.8	25.8	103.9	103.1	28.0	27.0	103.7	104.5	7.6	7.4	102.7	97.4	70	67	104.5	95.9
L2		5.2				26.6				27.4				8.4			68			
N2		4.4				26.0				27.0				8.4			75			
O2	3.6	3.7	97.3	81.8	24.8	25.3	98.0	95.4	25.9	26.4	98.1	96.6	7.8	7.6	102.6	100.0	81	78	103.8	111.0
Q2	5.8	5.8	100.0	131.8	26.4	26.0	101.5	101.5	27.0	26.6	101.5	100.7	8.3	8.3	100.0	106.4	79	77	102.6	108.2
R2		2.4				25.1				26.6				7.4			78			
T2	4.8	4.7	102.1	109.1	26.0	26.0	100.0	100.0	26.9	26.9	100.0	100.4	7.7	7.5	102.7	98.7	69	70	98.6	94.5
V2		3.2				25.8				27.2				8.0			74			
W2	5.5	6.5	84.6	125.0	26.5	26.0	101.9	101.9	26.6	26.4	100.8	99.2	8.0	8.0	100.0	102.6	68	65	104.6	93.2
X2		3.5				25.6				26.8				6.9			68			
Y2	3.2	3.4	94.1	72.7	25.7	26.5	97.0	98.8	27.0	27.8	97.1	100.7	8.7	8.8	98.9	111.5	69	69	100.0	94.5
FKI DATA																				
CUR.																				
AV.	4.6				26.0				26.8				7.8				74			
CUM.																				
AV.	4.4				26.0				26.8				7.8				73			
IND.																				
*D	104.5				100.0				100.0				100.0				101.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. FOURDRINIER KRAFT LINERBOARD  
APRIL, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1			5.7				26.3				26.4									68
B1			5.6				26.1				26.7			8.8						75
E1			3.7				26.4				27.3			7.8						78
F1			4.7				25.8				26.7			8.5						72
G1	4.9	4.8	102.1	111.4	26.6	26.4	100.8	102.3	27.0	26.8	100.7	100.7	7.6	7.5	101.3	97.4	67	68	98.5	91.8
I1			3.6				25.4				26.6			6.8						72
K1			5.7				26.8				27.0			7.1						74
L1	4.6	4.2	109.5	104.5	26.2	26.2	100.0	100.8	27.1	27.2	99.6	101.1	8.0	8.1	98.8	102.6	86	84	102.4	117.8
N1	4.9	4.1	119.5	111.4	25.9	25.8	100.4	99.6	26.7	26.8	99.6	99.6	7.4	7.2	102.8	94.9	75	70	107.1	102.7
O1			4.8				25.7				26.6			8.4						68
Q1			4.3				26.6				26.8			8.0						79
R1			2.3				26.3				27.9			8.5						68
W1			3.7				26.4				26.6			7.8						80
X1	5.0	4.8	104.2	113.6	26.6	25.6	103.9	102.3	27.4	26.4	103.8	102.2	8.3	8.3	100.0	106.4	78	77	101.3	106.8
Y1	6.1	6.1	100.0	138.6	25.6	25.6	100.0	98.5	26.1	26.1	100.0	97.4	7.0	7.7	90.9	89.7	69	71	97.2	94.5
Z1	5.3	4.9	108.2	120.4	26.2	26.4	99.2	100.8	26.9	27.2	98.9	100.4	7.8	8.0	97.5	100.0	80	72	111.1	109.6
C2			4.9				26.3				26.4			7.6						67
D2			3.0				26.8				28.2			8.2						72
F2	3.9	4.4	88.6	88.6	25.4	25.4	100.0	97.7	26.5	26.4	100.4	98.9	7.5	7.0	107.1	96.2	75	74	101.4	102.7
G2	4.9	4.1	119.5	111.4	27.1	26.1	103.8	104.2	27.9	27.2	102.6	104.1	8.4	8.1	103.7	107.7	78	78	100.0	106.8
I2	4.4	3.8	115.8	100.0	26.2	26.0	100.8	100.8	27.2	27.1	100.4	101.5	7.8	7.6	102.6	100.0	72	72	100.0	98.6
K2	3.2	3.6	88.9	72.7	25.7	25.9	99.2	98.8	27.0	27.1	99.6	100.7	7.0	7.5	93.3	89.7	69	67	103.0	94.5
L2	5.5	5.2	105.8	125.0	26.4	26.6	99.2	101.5	27.1	27.3	99.3	101.1	7.9	8.4	94.0	101.3	68	69	98.6	93.2
N2			4.4				26.0				27.0			8.4						75
O2	3.6	3.6	100.0	81.8	24.9	25.2	98.8	95.8	26.0	26.3	98.8	97.0	7.6	7.6	100.0	97.4	80	78	102.6	109.6
Q2	5.9	5.7	103.5	134.1	26.0	26.0	100.0	100.0	26.5	26.6	99.6	98.9	8.5	8.3	102.4	109.0	85	77	110.4	116.4
R2	2.0	2.4	83.3	45.4	25.1	25.2	99.6	96.5	26.6	26.6	100.0	99.2	8.5	7.5	113.3	109.0	83	78	106.4	113.7
T2	4.6	4.7	97.9	104.5	26.0	26.0	100.0	100.0	26.9	26.9	100.0	100.4	7.8	7.5	104.0	100.0	69	70	98.6	94.5
V2			3.2				25.8				27.2			8.0						74
W2			6.4				26.1				26.4			8.0						66
X2			3.5				25.5				26.7			6.8						69
Y2	3.3	3.4	97.0	75.0	25.4	26.4	96.2	97.7	26.6	27.7	96.0	99.2	8.1	8.9	91.0	103.8	65	69	94.2	89.0
FKI DATA																				
CUR.																				
AV.	4.5				26.0				26.8				7.8				75			
CUM.																				
AV.	4.4				26.0				26.8				7.8				73			
IND.																				
*D	102.3				100.0				100.0				100.0				102.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB. FOURDRINIER KRAFT LINERBOARD

MARCH, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.5				32.8				32.9									79	
C1		5.0				33.2				34.2				8.9					94	
E1		4.7				33.1				34.1				9.8					87	
F1		4.7				32.8				34.0				10.3					84	
GL		4.8				33.3				33.8				9.6					82	
I1		4.2				31.8				33.1				8.2					82	
K1		4.8				34.3				34.5			9.5	9.0	105.6	97.9	86	90	95.6	98.8
L1	4.9	4.8	102.1	102.1	33.1	32.9	100.6	100.9	34.1	34.0	100.3	101.2	9.5	9.8	96.9	97.9	100	98	102.0	114.9
M1	5.4	4.7	114.9	112.5	32.3	32.3	100.0	98.5	33.1	33.4	99.1	98.2	10.3	9.8	105.1	106.2	91	90	101.1	104.6
N1	4.3	4.1	104.9	89.6	32.7	32.6	100.3	99.7	33.9	33.9	100.0	100.6	9.6	9.3	103.2	99.0	84	84	100.0	96.6
O1		5.3				32.6				33.4				10.0					84	
Q1	3.9	4.2	92.8	81.2	33.4	33.5	99.7	101.8	33.6	33.8	99.4	99.7	10.5	9.9	106.1	108.2	95	93	102.2	109.2
R1	5.5	5.0	110.0	114.6	33.0	33.1	99.7	100.6	33.8	34.1	99.1	100.3	10.2	9.9	103.0	105.2	80	82	97.6	92.0
T1		4.7				33.8				34.9				9.1					87	
V1		4.4				33.2				34.4				9.0					92	
W1	3.8	4.0	95.0	79.2	33.3	33.4	99.7	101.5	33.6	33.7	99.7	99.7	9.6	9.5	101.0	99.0	94	92	102.2	108.0
X1	5.2	5.3	98.1	108.3	32.3	32.4	99.7	98.5	33.2	33.2	100.0	98.5	8.9	9.7	91.8	91.8	96	96	100.0	110.3
Y1	5.8	6.2	93.5	120.8	32.1	32.1	100.0	97.9	32.8	32.7	100.3	97.3	9.0	9.8	91.8	92.8	80	82	97.6	92.0
Z1	6.1	6.0	101.7	127.1	33.1	33.2	99.7	100.9	33.7	33.8	99.7	100.0	9.9	10.0	99.0	102.1	83	86	96.5	95.4
C2	5.2	5.3	98.1	108.3	33.4	33.4	100.0	101.8	33.5	33.5	100.0	99.4	9.0	9.6	93.8	92.8	85	86	98.8	97.7
D2	4.1	3.9	105.1	85.4	33.4	33.6	99.4	101.8	34.7	35.1	98.9	103.0	10.5	10.5	100.0	108.2	86	88	97.7	98.8
F2	5.0			104.2	32.1			97.9	33.1			98.2	9.1			93.8	91			104.6
G2		4.7				32.9				34.0				9.9					91	
H2		4.7				33.9				34.1			9.4	9.5	98.9	96.9	87	90	96.7	100.0
I2	5.1	4.6	110.9	106.2	32.9	32.9	100.0	100.3	33.9	34.0	99.7	100.6	9.4	9.4	100.0	96.9	84	88	95.4	96.6
J2	3.7	4.4	84.1	77.1	33.5	33.2	100.9	102.1	33.8	33.6	100.6	100.3	9.5	9.3	102.2	97.9	80	85	94.1	92.0
K2	3.4	3.6	94.4	70.8	32.9	32.7	100.6	100.3	34.5	34.2	100.9	102.4	9.9	9.7	102.1	102.1	80	82	97.6	92.0
L2		5.5				33.6				34.4				10.2					81	
M2	4.8	5.0	96.0	100.0	32.5	32.6	99.7	99.1	33.6	33.6	100.0	99.7	10.1	10.0	101.0	104.1	89	89	100.0	102.3
N2		4.6				32.6				33.7				10.5					86	
O2	4.0	4.0	100.0	83.3	31.8	32.0	99.4	97.0	33.1	33.3	99.4	98.2	8.4	8.8	95.4	86.6	96	96	100.0	110.3
Q2		6.5				33.0				33.5				10.5					91	
R2	2.7	2.9	93.1	56.2	31.5	31.5	100.0	96.0	33.2	33.2	100.0	98.5	9.3	9.2	101.1	95.9	89	88	101.1	102.3
S2	5.9	5.8	101.7	122.9	33.6	33.2	101.2	102.4	33.7	33.4	100.9	100.0					93	89	104.5	106.9
T2	4.9	5.0	98.0	102.1	32.8	32.6	100.6	100.0	33.8	33.6	100.6	100.3	9.7	9.6	101.0	100.0	82	85	96.5	94.2
V2		3.8				32.1				33.5				10.2					86	
W2	5.8	6.3	92.1	120.8	33.2	32.7	101.5	101.2	33.3	33.2	100.3	98.8	10.0	10.0	100.0	103.1	79	85	92.9	90.8
X2	3.1	3.4	91.2	64.6	31.9	32.2	99.1	97.2	33.5	33.8	99.1	99.4	8.8	8.8	100.0	90.7	86	86	100.0	98.8
Y2	4.2	4.6	91.3	87.5	32.1	32.6	98.5	97.9	33.4	33.7	99.1	99.1	10.2	10.8	94.4	105.2	84	79	106.3	96.6
FKI DATA																				
CUR.																				
AV.	4.6					32.7				33.6				9.6					87	
CUM.																				
AV.	4.8					32.8				33.7				9.7					87	
IND.																				
*D	95.8					99.7				99.7				99.0					100.0	

NOTE - Notes A, B, C, and D, are given in Appendix

TABLE IV  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB. FOURDRINIER KRAFT LINERBOARD  
APRIL, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.				
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	
A1		5.5				32.8				32.9								79			
C1		5.0				33.2				34.2				8.9				94			
E1		4.7				33.2				34.2				9.8				88			
F1	5.3	4.7	112.8	110.4	32.4	32.8	98.8	98.8	33.3	34.0	97.9	98.8	10.1	10.3	98.0	104.1	82	84	97.6	94.2	
G1		4.8				33.3				33.8				9.6				82			
I1	5.2	4.2	123.8	108.3	32.5	31.8	102.2	99.1	33.4	33.1	100.9	99.1	9.0	8.2	109.8	92.8	96	82	117.1	110.3	
K1		4.8				34.3				34.5				9.1				90			
L1	4.8	4.8	100.0	100.0	33.2	32.9	100.9	101.2	34.3	34.0	100.9	101.8	9.6	9.8	98.0	99.0	95	98	96.9	109.2	
M1		4.8				32.3				33.4				9.9				90			
N1	4.4	4.1	107.3	91.7	32.8	32.6	100.6	100.0	34.0	33.9	100.3	100.9	9.4	9.3	101.1	96.9	85	84	101.2	97.7	
O1		5.3				32.6				33.4				10.0				84			
Q1	3.8	4.2	90.5	79.2	33.3	33.4	99.7	101.5	33.5	33.7	99.4	99.4	10.4	10.0	104.0	107.2	94	93	101.1	108.0	
R1	5.2	5.1	102.0	108.3	33.0	33.0	100.0	100.6	33.9	34.0	99.7	100.6	10.1	9.9	102.0	104.1	84	82	102.4	96.6	
T1		4.7				33.8				34.9				9.1				87			
V1		4.4				33.2				34.4				9.0				92			
W1	3.8	4.0	95.0	79.2	33.3	33.4	99.7	101.5	33.6	33.7	99.7	99.7	9.8	9.5	103.2	101.0	93	92	101.1	106.9	
X1	4.7	5.3	88.7	97.9	32.5	32.4	100.3	99.1	33.6	33.2	101.2	99.7	9.3	9.5	97.9	95.9	98	96	102.1	112.6	
Y1	6.0	6.1	98.4	125.0	32.4	32.1	100.9	98.8	33.0	32.7	100.9	97.9	9.1	9.6	94.8	93.8	84	82	102.4	96.6	
Z1	5.9	6.0	98.3	122.9	33.0	33.2	99.4	100.6	33.7	33.8	99.7	100.0	9.9	10.1	98.0	102.1	92	86	107.0	105.7	
C2		5.3				33.4				33.5				9.5				87			
D2	4.2	3.9	107.7	87.5	33.7	33.6	100.3	102.7	35.0	35.0	100.0	103.8	10.4	10.5	99.0	107.2	88	88	100.0	101.1	
F2		5.0				32.1				33.1				9.1				91			
G2		4.7				32.9				34.0				9.9				91			
H2		4.7				33.5	33.9	98.8	102.1	33.8	34.1	99.1	100.3	9.4	9.4	100.0	96.9	87	89	97.8	100.0
I2	4.7	4.7	100.0	97.9	33.3	32.9	101.2	101.5	34.4	34.0	101.2	102.1	9.5	9.4	101.1	97.9	85	87	97.7	97.7	
J2	4.1	4.3	95.3	85.4	33.5	33.3	100.6	102.1	33.8	33.6	100.6	100.3	9.8	9.3	105.4	101.0	83	84	98.8	95.4	
K2	3.3	3.6	91.7	68.8	32.8	32.7	100.3	100.0	34.4	34.2	100.6	102.1	9.5	9.8	96.9	97.9	83	82	101.2	95.4	
L2		5.6				33.6				34.4				10.3				82			
M2		4.9				32.5				33.6				9.9				89			
N2		4.6				32.6				33.8				10.5				86			
O2		3.9				32.0				33.3				8.7				96			
Q2	6.5	6.5	100.0	135.4	33.0	33.1	99.7	100.6	33.5	33.5	100.0	99.4	10.5	10.4	101.0	108.2	96	90	106.7	110.3	
R2	2.7	2.9	93.1	56.2	31.5	31.5	100.0	96.0	33.2	33.2	100.0	98.5	9.4	9.2	102.2	96.9	97	88	110.2	111.5	
S2		5.8				33.2				33.4								90			
T2	4.4	5.1	86.3	91.7	32.8	32.6	100.6	100.0	34.0	33.6	101.2	100.9	10.1	9.6	105.2	104.1	83	84	98.8	95.4	
V2		3.7				31.9				33.4				10.2				85			
W2	5.4	6.3	85.7	112.5	33.5	32.8	102.1	102.1	33.6	33.3	100.9	99.7	10.0	10.0	100.0	103.1	79	84	94.0	90.8	
X2	2.9	3.4	85.3	60.4	31.9	32.2	99.1	97.2	33.6	33.7	99.7	99.7	8.6	8.8	97.7	88.6	85	86	98.8	97.7	
Y2	4.2	4.5	93.3	87.5	32.0	32.5	98.5	97.6	33.2	33.6	98.8	98.5	10.6	10.8	98.1	109.3	81	80	101.2	93.1	
FKI DATA																					
CUR.																					
AV.	4.6				32.8				33.8				9.7				88				
CUM.																					
AV.	4.8				32.8				33.7				9.7				87				
IND.																					
*D	95.8				100.0				100.3				100.0				101.1				

NOTE - Notes A, B, C, and D, are given in Appendix.

TABLE V  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB. FOURDRINIER KRAFT LINERBOARD  
MARCH, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1		5.2				37.6				38.7				10.9				97		
D1		4.6				38.2				39.5				10.4				100		
E1		4.3				38.1				39.4				10.7				101		
H1		5.6				37.6				38.4				10.6				104		
I1		4.9				37.2				38.3				9.7				94		
K1					38.0	39.3	96.7	100.5	38.2	39.6	96.5	98.4	10.6	10.0	106.0	97.2	94	102	92.2	95.9
L1		5.2				38.2				39.3				10.1				110		
M1	5.1	4.9	104.1	100.0	37.3	37.2	100.3	98.7	38.4	38.4	100.0	99.0	10.9	10.9	100.0	100.0	100	99	101.0	102.0
N1	4.4	4.3	102.3	86.3	37.7	37.5	100.5	99.7	39.1	38.9	100.5	100.8	11.5	11.0	104.5	105.5	93	95	97.9	94.9
O1		5.0				37.4				38.5				11.4				95		
P1		4.3				37.8				39.2				10.3				109		
Q1	3.8	4.1	92.7	74.5	38.3	38.4	99.7	101.3	38.5	38.8	99.2	99.2	10.9	11.4	95.6	100.0	104	101	103.0	106.1
S1		5.9				38.2				39.0				10.9				102		
T1		5.6				39.0				39.9				11.4				103		
V1	5.6	5.5	101.8	109.8	38.0	38.0	100.0	100.5	38.9	39.0	99.7	100.2	11.6	11.1	104.5	106.4	95	100	95.0	96.9
W1	4.5	4.7	95.7	88.2	38.3	38.4	99.7	101.3	38.6	38.7	99.7	99.5	11.2	11.2	100.0	102.8	101	100	101.0	103.1
X1	4.9	5.4	90.7	96.1	37.1	37.3	99.5	98.1	38.3	38.3	100.0	98.7	10.5	10.5	100.0	96.3	105	109	96.3	107.1
Z1	6.8	6.3	107.9	133.3	38.1	38.2	99.7	100.8	38.5	38.8	99.2	99.2	11.3	11.4	99.1	103.7	92	95	96.8	93.9
A2		5.1				37.4				38.5				11.1				106		
C2	5.5	5.3	103.8	107.8	38.6	38.7	99.7	102.1	38.7	38.8	99.7	99.7	11.0	11.0	100.0	100.9	96	96	100.0	98.0
E2	5.2	4.8	108.3	102.0	38.6	38.5	100.2	102.1	39.7	39.8	99.7	102.3	10.4	10.3	101.0	95.4	96	94	102.1	98.0
G2	4.6	5.1	90.2	90.2	38.3	38.6	99.2	101.3	39.6	39.8	99.5	102.1	11.5	11.4	100.9	105.5	101	99	102.0	103.1
H2		4.7				39.2				39.4			10.8	10.9	99.1	99.1	94	100	94.0	95.9
I2	5.6	5.6	100.0	109.8	38.3	37.8	101.3	101.3	39.2	38.8	101.0	101.0	10.1	10.5	96.2	92.7	103	98	105.1	105.1
J2		3.8				38.3				38.6				11.0				92		
K2	5.4	5.2	103.8	105.9	38.4	37.9	101.3	101.6	39.4	39.0	101.0	101.5	11.1	11.0	100.9	101.8	93	91	102.2	94.9
L2		5.5				38.8				39.8				11.4				93		
M2	4.4	4.0	110.0	86.3	37.0	37.4	98.9	97.9	38.4	38.9	98.7	99.0	11.6	11.9	97.5	106.4	97	95	102.1	99.0
N2	4.2	4.7	89.4	82.4	37.4	37.4	100.0	98.9	38.9	38.7	100.5	100.2	11.0	10.8	101.8	100.9	99	98	101.0	101.0
O2	4.3	4.1	104.9	84.3	36.9	37.1	99.5	97.6	38.3	38.5	99.5	98.7	9.6	10.1	95.0	88.1	111	105	105.7	113.3
Q2		7.1				38.0				38.4				11.2				98		
R2		3.2				36.5				38.4				10.7				97		
S2	5.9	5.6	105.4	115.7	38.0	38.1	99.7	100.5	38.1	38.2	99.7	98.2					101	98	103.1	103.1
T2	4.0	4.9	81.6	78.4	37.4	37.7	99.2	98.9	38.9	38.9	100.0	100.2	11.3	11.2	100.9	103.7	93	94	98.9	94.9
V2	3.6	4.5	80.0	70.6	37.3	37.6	99.2	98.7	39.0	38.9	100.2	100.5	12.1	11.8	102.5	111.0	93	95	97.9	94.9
W2	5.8	6.3	92.1	113.7	38.2	37.9	100.8	101.0	38.3	38.6	99.2	98.7	12.0	10.8	111.1	110.1	97	98	99.0	99.0
X2	4.0	4.4	90.9	78.4	37.1	37.4	99.2	98.1	38.6	38.8	99.5	99.5	10.3	10.3	100.0	94.5	98	98	100.0	100.0
Y2	5.4	5.4	100.0	105.9	37.3	37.7	98.9	98.7	38.3	38.7	99.0	98.7	11.3	12.3	91.9	103.7	94	93	101.1	95.9
FKI DATA																				
CUR.																				
AV.	4.9				37.8				38.7				11.0				98			
CUM.																				
AV.	5.1				37.8				38.8				10.9				98			
IND.																				
*D	96.1				100.0				99.7				100.9				100.0			

NOTE - Notes A, B, C, and D, are given in Appendix

TABLE VI  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB. FOURDRINIER KRAFT LINERBOARD  
APRIL, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.				
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	
C1	5.7	5.2	109.6	111.8	37.9	37.6	100.8	100.3	38.8	38.7	100.2	100.0	10.9	11.0	99.1	100.0	96	98	98.0	98.0	
D1		4.6				38.0				39.4				10.4			102				
E1		4.3				38.1				39.4				10.7			101				
M1	5.7	5.7	100.0	111.8	37.2	37.6	98.9	98.4	38.1	38.4	99.2	98.2	10.1	10.6	95.3	92.7	110	104	105.8	112.2	
I1	6.7	4.9	136.7	131.4	37.6	37.2	101.1	99.5	38.1	38.3	99.5	98.2	10.3	9.7	106.2	94.5	114	94	121.3	116.3	
K1						38.6				38.9				10.1			101				
L1	5.5	5.2	105.8	107.8	38.1	38.2	99.7	100.8	39.1	39.3	99.5	100.8	10.0	10.1	99.0	91.7	119	110	108.2	121.4	
M1	5.7	4.9	116.3	111.8	37.5	37.2	100.8	99.2	38.4	38.4	100.0	99.0	11.1	10.9	101.8	101.8	98	99	99.0	100.0	
N1		4.3				37.5				38.9				11.0			94				
O1		5.0				37.4				38.5				11.4			95				
P1		4.3				37.8				39.2				10.3			109				
Q1	3.8	4.1	92.7	74.5	38.4	38.4	100.0	101.6	38.6	38.7	99.7	99.5	10.9	11.4	95.6	100.0	102	101	101.0	104.1	
S1		5.9				38.2				39.0				10.9			102				
T1		5.6				38.9				39.8				11.4			104				
V1	5.6	5.5	101.8	109.8	37.7	38.0	99.2	99.7	38.6	38.9	99.2	99.5	11.5	11.2	102.7	105.5	94	100	94.0	95.9	
W1	4.9	4.7	104.2	96.1	38.4	38.4	100.0	101.6	38.7	38.7	100.0	99.7	11.5	11.2	102.7	105.5	98	100	98.0	100.0	
X1	5.5	5.3	103.8	107.8	37.1	37.3	99.5	98.1	38.0	38.3	99.2	97.9	10.7	10.5	101.9	98.2	111	108	102.8	113.3	
Z1	6.4	6.4	100.0	125.5	38.1	38.2	99.7	100.8	38.7	38.7	100.0	99.7	11.3	11.4	99.1	103.7	94	95	98.9	95.9	
A2		5.1				37.4				38.5				11.1			106				
C2		5.2				38.7				38.8				11.0			97				
E2	5.1	4.9	104.1	100.0	38.2	38.5	99.2	101.0	39.3	39.8	98.7	101.3	10.2	10.3	99.0	93.6	96	94	102.1	98.0	
G2	5.8	5.2	111.5	113.7	38.5	38.5	100.0	101.8	39.3	39.6	99.2	101.3	11.4	11.3	100.9	104.6	98	100	98.0	100.0	
H2		4.7				38.2	39.2	97.4	101.0	38.5	39.4	97.7	99.2	10.7	11.0	97.3	98.2	96	100	96.0	98.0
I2	5.3	5.6	94.6	103.9	38.6	37.9	101.8	102.1	39.6	38.8	102.1	102.1	11.0	10.5	104.8	100.9	98	98	100.0	100.0	
J2		3.8				38.3				38.6				11.0			92				
K2	4.7	5.2	90.4	92.2	37.5	37.9	98.9	99.2	38.8	39.0	99.5	100.0	10.6	11.0	96.4	97.2	90	91	98.9	91.8	
M2		4.1				37.0				38.6				11.8			96				
N2	4.8	4.6	104.3	94.1	37.7	37.4	100.8	99.7	38.9	38.7	100.5	100.2	10.5	10.9	96.3	96.3	97	98	99.0	99.0	
O2	4.3	4.1	104.9	84.3	36.7	37.0	99.2	97.1	38.1	38.5	99.0	98.2	10.7	10.0	107.0	98.2	102	106	96.2	104.1	
Q2		7.1				38.0				38.3				11.4			96				
R2	3.1	3.2	96.9	60.8	36.7	36.6	100.3	97.1	38.6	38.4	100.5	99.5	10.9	10.7	101.9	100.0	102	97	105.2	104.1	
S2	5.7	5.7	100.0	111.8	38.3	38.0	100.8	101.3	38.4	38.2	100.5	99.0					100	99	101.0	102.0	
T2	4.5	4.8	93.8	88.2	37.5	37.6	99.7	99.2	38.8	38.9	99.7	100.0	11.5	11.2	102.7	105.5	92	94	97.9	93.9	
V2	3.6	4.4	81.8	70.6	38.0	37.5	101.3	100.5	39.7	38.9	102.0	102.3	11.5	11.8	97.4	105.5	97	94	103.2	99.0	
W2	5.6	6.2	90.3	109.8	38.3	38.0	100.8	101.3	38.4	38.6	99.5	99.0	11.0	10.9	100.9	100.9	97	98	99.0	99.0	
X2	3.8	4.3	88.4	74.5	37.2	37.3	99.7	98.4	38.8	38.7	100.2	100.0	10.1	10.3	98.0	92.7	98	98	100.0	100.0	
Y2	5.8	5.4	107.4	113.7	37.2	37.7	98.7	98.4	38.0	38.7	98.2	97.9	11.5	12.3	93.5	105.5	94	93	101.1	95.9	
FKI DATA																					
CUR.																					
AV. 5.1																					
CUM.																					
AV. 5.1																					
IND.																					
*D 100.0																					

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB. FOURDRINIER KRAFT LINERBOARD  
MARCH, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.				
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				
	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	
C1	5.6	5.4	103.7	107.7	41.7	41.6	100.2	99.8	42.7	42.7	100.0	99.8	12.1	12.0	100.8	101.7	102	103	99.0	95.3	
D1	4.9	4.8	102.1	94.2	41.3	41.4	99.8	98.8	42.6	42.7	99.8	99.5	11.5	11.4	100.9	96.6	108	108	100.0	100.9	
E1		4.5			42.6	41.9	101.7	101.9	42.7	43.3	98.6	99.8	12.7	12.0	105.8	106.7	108	110	98.2	100.9	
F1	5.0	4.6	108.7	96.2	41.7	41.9	99.5	99.8	43.0	43.3	99.3	100.5	13.2	13.2	100.0	110.9	108	108	100.0	100.9	
H1	5.9	6.0	98.3	113.5	41.3	41.3	100.0	98.8	42.2	42.2	100.0	98.6	11.7	11.8	99.2	98.3	109	108	100.9	101.9	
I1	5.4	5.0	108.0	103.8	41.2	41.2	100.0	98.6	42.3	42.4	99.8	98.8	11.0	10.8	101.8	92.4	112	108	103.7	104.7	
J1	4.9	4.8	102.1	94.2	41.4	41.8	99.0	99.0	42.7	43.2	98.8	99.8	11.3	11.6	97.4	95.0	113	108	104.6	105.6	
K1		4.8			41.8	42.9	97.4	100.0	42.0	43.1	97.4	98.1	11.7	11.2	104.5	98.3	106	111	95.5	99.1	
L1	5.9	5.6	105.4	113.5	42.2	42.2	100.0	101.0	43.1	43.3	99.5	100.7	11.0	11.1	99.1	92.4	120	118	101.7	112.1	
M1	5.5	5.1	107.8	105.8	41.3	41.3	100.0	98.8	42.3	42.5	99.5	98.8	12.3	12.0	102.5	103.4	109	108	100.9	101.9	
N1	4.6	4.3	107.0	88.5	41.5	41.4	100.2	99.3	43.0	43.0	100.0	100.5	12.5	12.1	103.3	105.0	102	103	99.0	95.3	
P1	4.8	4.5	106.7	92.3	41.6	41.6	100.0	99.5	43.0	43.1	99.8	100.5	11.4	11.3	100.9	95.8	112	110	101.8	104.7	
Q1	4.5	4.5	100.0	86.5	42.5	42.2	100.7	101.7	42.7	42.6	100.2	99.8	12.4	12.3	100.8	104.2	107	109	98.2	100.0	
R1	5.6	5.5	101.8	107.7	42.2	42.2	100.0	101.0	43.2	43.2	100.0	100.9	12.5	12.9	96.9	105.0	108	108	100.0	100.9	
S1	6.4	6.1	104.9	123.1	41.8	41.8	100.0	100.0	42.4	42.6	99.5	99.1	12.0	11.9	100.8	100.8	106	107	99.1	99.1	
T1		6.0				42.8				43.6				12.3				108			
U1	5.5	6.0	91.7	105.8	41.8	41.7	100.2	100.0	42.8	42.5	100.7	100.0	11.1	11.5	96.5	93.3	106	111	95.5	99.1	
V1	5.6	5.6	100.0	107.7	42.1	41.9	100.5	100.7	43.1	42.9	100.5	100.7	12.8	12.2	104.9	107.6	105	108	97.2	98.1	
W1	4.8	5.0	96.0	92.3	42.4	42.4	100.0	101.4	42.8	42.8	100.0	100.0	12.2	12.3	99.2	102.5	105	106	99.0	98.1	
X1	4.8	5.2	92.3	92.3	40.9	41.1	99.5	97.8	42.2	42.2	100.0	98.6	11.7	11.6	100.9	98.3	113	113	100.0	105.6	
Z1	7.2	6.9	104.3	138.5	42.2	42.2	100.0	101.0	42.5	42.6	99.8	99.3	12.3	12.5	98.4	103.4	103	103	100.0	96.3	
A2	4.7	5.3	88.7	90.4	40.8	41.3	98.8	97.6	42.2	42.4	99.5	98.6	12.4	11.9	104.2	104.2	107	110	97.3	100.0	
B2		4.9				41.4				42.7				12.1				107			
C2	6.1	5.7	107.0	117.3	42.3	42.3	100.0	101.2	42.4	42.4	100.0	99.1	12.1	12.2	99.2	101.7	102	103	99.0	95.3	
D2	5.4	5.3	101.9	103.8	42.2	42.3	99.8	101.0	43.3	43.5	99.5	101.2	12.7	12.9	98.4	106.7	107	107	100.0	100.0	
E2	6.5	5.7	114.0	125.0	42.3	42.2	100.2	101.2	42.9	43.2	99.3	100.2	11.3	11.2	100.9	95.0	105	105	100.0	98.1	
G2	6.0	5.6	107.1	115.4	41.5	41.9	99.0	99.3	42.3	42.9	98.6	98.8	12.2	12.2	100.0	102.5	107	107	100.0	100.0	
H2		5.2			42.3	42.6	99.3	101.2	42.5	43.0	98.8	99.3	12.0	12.0	100.0	100.8	106	108	98.1	99.1	
I2	5.6	5.8	96.6	107.7	41.9	41.7	100.5	100.2	42.9	42.6	100.7	100.2	11.5	11.6	99.1	96.6	108	105	102.8	100.9	
J2	4.3	4.6	93.5	82.7	42.6	42.6	100.0	101.9	43.0	43.0	100.0	100.5	12.1	11.6	104.3	101.7	101	102	99.0	94.4	
K2	5.0	5.1	98.0	96.2	41.8	41.6	100.5	100.0	43.1	42.8	100.7	100.7	12.0	12.0	100.0	100.8	103	104	99.0	96.3	
L2		6.0				42.6				43.4				12.4				105			
M2		4.2				42.4				44.1				12.8				109			
N2	4.8	5.0	96.0	92.3	41.4	41.4	100.0	99.0	42.8	42.7	100.2	100.0	11.7	11.6	100.9	98.3	106	106	100.0	99.1	
O2	4.3	4.3	100.0	82.7	40.7	40.8	99.8	97.4	42.2	42.4	99.5	98.6	11.0	11.3	97.3	92.4	115	111	103.6	107.5	
P2		4.8				41.4				42.8				12.8				117			
Q2		6.7				42.1				42.6				11.8				108			
R2	3.8	3.8	100.0	73.1	40.6	40.7	99.8	97.1	42.3	42.5	99.5	98.8	12.0	11.9	100.8	100.8	106	107	99.1	99.1	
S2	5.7	5.6	101.8	109.6	42.2	42.1	100.2	101.0	42.3	42.2	100.2	98.8					109	105	103.8	101.9	
U2		4.9				41.5				42.8				12.7				119			
V2	4.2	5.0	84.0	80.8	41.6	41.5	100.2	99.5	43.2	42.8	100.9	100.9	13.0	12.7	102.4	109.2	103	104	99.0	96.3	
W2	5.7	6.4	89.1	109.6	42.3	41.7	101.4	101.2	42.4	42.3	100.2	99.1	12.0	12.0	100.0	100.8	104	106	98.1	97.2	
X2	4.1	4.6	89.1	78.8	41.0	41.4	99.0	98.1	42.6	42.9	99.3	99.5	11.6	11.5	100.9	97.5	108	108	100.0	100.9	
Y2	5.3	5.3	100.0	101.9	41.1	41.6	98.8	98.3	42.2	42.7	98.8	98.6	12.6	13.3	94.7	105.9	100	101	99.0	93.4	

FKI DATA  
CUR. AV. 5.2  
CUM. AV. 5.2  
IND. #D 100.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB. FOURDRINIER KRAFT LINERBOARD  
APRIL, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.4	5.4	100.0	103.8	41.6	41.6	100.0	99.5	42.7	42.7	100.0	99.8	12.1	12.0	100.8	101.7	103	103	100.0	96.3
D1	4.8	4.8	100.0	92.3	41.5	41.4	100.2	99.3	42.9	42.7	100.5	100.2	11.4	11.4	100.0	95.8	108	108	100.0	100.9
E1		4.5				42.1				43.3				12.1			110			
F1	4.6	4.7	97.9	88.5	41.8	41.8	100.0	100.0	43.3	43.3	100.0	101.2	13.7	13.2	103.8	115.1	111	108	102.8	103.7
H1	6.2	6.0	103.3	119.2	41.2	41.3	99.8	98.6	41.9	42.1	99.5	97.9	13.6	11.8	115.2	114.3	121	108	112.0	113.1
I1	5.8	4.9	118.4	111.5	41.5	41.2	100.7	99.3	42.4	42.4	100.0	99.1	11.3	10.8	104.6	95.0	114	108	105.6	106.5
J1	5.0	4.7	106.4	96.2	41.4	41.8	99.0	99.0	42.6	43.2	98.6	99.5	11.3	11.5	98.3	95.0	111	109	101.8	103.7
K1		4.8			41.8	42.7	97.9	100.0	42.1	43.0	97.9	98.4	11.6	11.2	103.6	97.5	107	110	97.3	100.0
L1	5.8	5.6	103.6	111.5	42.1	42.2	99.8	100.7	43.0	43.2	99.5	100.5	11.1	11.1	100.0	93.3	120	119	100.8	112.1
M1	5.5	5.2	105.8	105.8	41.3	41.3	100.0	98.8	42.3	42.5	99.3	98.8	12.5	12.0	104.2	105.0	102	108	94.4	95.3
N1	4.5	4.3	104.6	86.5	41.5	41.4	100.2	99.3	43.0	43.0	100.0	100.5	12.1	12.2	99.2	101.7	106	103	102.9	99.1
P1	5.0	4.5	111.1	96.2	41.7	41.6	100.2	99.8	43.0	43.1	99.8	100.5	11.3	11.3	100.0	95.0	116	110	105.4	108.4
Q1	4.4	4.6	95.6	84.6	42.4	42.2	100.5	101.4	42.6	42.6	100.0	99.5	12.3	12.3	100.0	103.4	108	109	99.1	100.9
R1		5.5				42.1				43.2				12.9			108			
S1	6.2	6.2	100.0	119.2	41.9	41.8	100.2	100.2	42.6	42.6	100.0	99.5	12.2	11.9	102.5	102.5	107	107	100.0	100.0
T1	5.9	6.0	98.3	113.5	43.0	42.8	100.5	102.9	43.9	43.7	100.4	102.6	11.7	12.3	95.1	98.3	106	108	98.1	99.1
U1	5.8	6.0	96.7	111.5	41.6	41.7	99.8	99.5	42.5	42.6	99.8	99.3	11.5	11.4	100.9	96.6	113	111	101.8	105.6
V1	5.7	5.6	101.8	109.6	41.7	41.9	99.5	99.8	42.7	42.9	99.5	99.8	12.7	12.3	103.2	106.7	103	108	95.4	96.3
W1	4.9	5.0	98.0	94.2	42.3	42.4	99.8	101.2	42.7	42.8	99.8	99.8	12.2	12.3	99.2	102.5	104	106	98.1	97.2
X1	5.3	5.2	101.9	101.9	40.9	41.1	99.5	97.8	42.0	42.2	99.5	98.1	11.6	11.6	100.0	97.5	118	114	103.5	110.3
Z1	6.8	7.0	97.1	130.8	42.2	42.2	100.0	101.0	42.7	42.6	100.2	99.8	12.2	12.6	96.8	102.5	103	103	100.0	96.3
A2		5.2				41.2				42.4				12.1			109			
B2		4.9				41.4				42.7				12.1			107			
C2	6.5	5.7	114.0	125.0	42.2	42.3	99.8	101.0	42.3	42.4	99.8	98.8	12.0	12.1	99.2	100.8	100	102	98.0	93.4
D2	5.6	5.3	105.7	107.7	42.2	42.3	99.8	101.0	43.2	43.4	99.5	100.9	12.9	12.9	100.0	108.4	106	107	99.1	99.1
E2	6.5	5.8	112.1	125.0	42.1	42.2	99.8	100.7	42.7	43.1	99.1	99.8	11.2	11.2	100.0	94.1	105	105	100.0	98.1
G2	5.8	5.6	103.6	111.5	42.2	41.9	100.7	101.0	43.1	42.9	100.5	100.7	12.1	12.2	99.2	101.7	108	107	100.9	100.9
H2		5.2			42.0	42.6	98.6	100.5	42.4	42.9	98.8	99.1	12.0	12.1	99.2	100.8	106	108	98.1	99.1
I2	5.8	5.8	100.0	111.5	41.9	41.8	100.2	100.2	42.8	42.6	100.5	100.0	11.3	11.6	97.4	95.0	106	106	100.0	99.1
J2	4.5	4.5	100.0	86.5	42.1	42.7	98.6	100.7	42.5	43.1	98.6	99.3	12.2	11.6	105.2	102.5	102	102	100.0	95.3
K2	4.8	5.1	94.1	92.3	41.2	41.6	99.0	98.6	42.6	42.8	99.5	99.5	11.6	12.0	96.7	97.5	104	104	100.0	97.2
L2	5.8	6.0	96.7	111.5	42.5	42.6	99.8	101.7	43.4	43.4	100.0	101.4	11.7	12.4	94.4	98.3	103	105	98.1	96.3
M2		4.2				42.4				44.1				12.8			109			
N2	4.6	4.9	93.9	88.5	41.4	41.4	100.0	99.0	42.8	42.7	100.2	100.0	11.6	11.6	100.0	97.5	106	106	100.0	99.1
O2	4.1	4.3	95.3	78.8	40.3	40.8	98.8	96.4	41.9	42.3	99.0	97.9	11.3	11.2	100.9	95.0	113	112	100.9	105.6
P2		4.8				41.4				42.8				12.8			117			
Q2		6.7				42.1				42.6				11.8			108			
R2	4.4	3.8	115.8	84.6	40.5	40.6	99.8	96.9	42.0	42.4	99.0	98.1	12.1	11.9	101.7	101.7	106	106	100.0	99.1
S2	5.5	5.6	98.2	105.8	42.4	42.1	100.7	101.4	42.5	42.2	100.7	99.3					107	105	101.9	100.0
U2		4.9				41.4				42.8				12.7			118			
V2	4.8	4.9	98.0	92.3	42.2	41.5	101.7	101.0	43.6	42.8	101.9	101.9	12.5	12.7	98.4	105.0	106	104	101.9	99.1
W2	5.4	6.3	85.7	103.8	42.3	41.7	101.4	101.2	42.4	42.3	100.2	99.1	12.0	12.0	100.0	100.8	103	106	97.2	96.3
X2	4.0	4.5	88.9	76.9	41.1	41.4	99.3	98.3	42.8	42.8	100.0	100.0	11.6	11.5	100.9	97.5	107	108	99.1	100.0
Y2	5.7	5.4	105.6	109.6	41.2	41.4	99.5	98.6	42.1	42.4	99.3	98.4	12.3	13.1	93.9	103.4	100	102	98.0	93.4

FKI DATA			
CUR. AV.	5.3	41.8	42.7
CUM. AV.	5.2	41.8	42.8
IND. *D	101.9	100.0	99.8
			100.8
			100.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IX  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB. FOURDRINIER KRAFT LINERBOARD  
MARCH, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	6.4	6.3	101.6	110.3	67.8	67.7	100.1	98.7	68.8	68.8	100.0	98.4	20.0	20.2	99.0	102.0	134	133	100.8	93.0
D1	5.5	5.2	105.8	94.8	68.6	68.4	100.3	99.8	70.3	70.2	100.1	100.6	18.3	18.2	100.5	93.4	148	148	100.0	102.8
E1		4.3			69.6	68.8	101.2	101.3	69.8	71.2	98.0	99.8	18.9	19.8	95.4	96.4	153	151	101.3	106.2
F1	5.1	5.4	94.4	87.9	67.7	68.7	98.5	98.5	69.7	70.5	98.9	99.7	22.3	22.5	99.1	113.8	142	146	97.3	98.6
I1	5.2	4.6	113.0	89.6	67.8	67.7	100.1	98.7	69.7	70.1	99.4	99.7	18.7	18.1	103.3	95.4	146	147	99.3	101.4
J1	5.7	5.4	105.6	98.3	68.2	68.8	99.1	99.3	69.8	70.6	98.9	99.8	19.0	19.6	96.9	96.9	140	141	99.3	97.2
K1		4.7			69.0	70.0	98.6	100.4	69.3	70.4	98.4	99.1	19.9	19.0	104.7	101.5	142	148	95.9	98.6
L1	6.2	6.2	100.0	106.9	68.8	69.2	99.4	100.1	70.0	70.4	99.4	100.1	18.5	19.0	97.4	94.4	159	153	103.9	110.4
M1		6.2				68.5				69.7				19.6			146			
P1	5.0	4.6	108.7	86.2	68.1	68.0	100.1	99.1	70.1	70.3	99.7	100.3	20.4	19.6	104.1	104.1	143	144	99.3	99.3
Q1	5.0	4.4	113.6	86.2	69.2	69.2	100.0	100.7	69.5	69.8	99.6	99.4	21.3	21.2	100.5	108.7	145	148	98.0	100.7
R1	6.2	5.4	114.8	106.9	68.4	69.0	99.1	99.6	69.6	70.8	98.3	99.6	19.9	20.7	96.1	101.5	138	139	99.3	95.8
S1	7.5	7.0	107.1	129.3	68.6	68.7	99.8	99.8	68.8	69.3	99.3	98.4	20.3	19.8	102.5	103.6	147	147	100.0	102.1
T1		6.7				70.1				71.0				20.6			141			
U1	6.2	6.4	96.9	106.9	68.4	68.7	99.6	99.6	69.6	69.7	99.8	99.6	19.0	19.5	97.4	96.9	141	141	100.0	97.9
V1	6.2	6.2	100.0	106.9	68.9	68.9	100.0	100.3	70.1	70.2	99.8	100.3	20.1	20.0	100.5	102.6	139	139	100.0	96.5
W1	5.3	5.4	98.1	91.4	69.9	69.6	100.4	101.7	70.5	70.2	100.4	100.8	19.6	19.6	100.0	100.0	140	141	99.3	97.2
Z1	8.0	7.8	102.6	137.9	69.4	69.5	99.8	101.0	69.3	69.6	99.6	99.1	20.9	20.8	100.5	106.6	141	142	99.3	97.9
A2	5.7	5.8	98.3	98.3	68.1	68.3	99.7	99.1	69.7	69.8	99.8	99.7	19.5	18.9	103.2	99.5	146	147	99.3	101.4
B2	6.3	6.8	92.6	108.6	69.6	69.5	100.1	101.3	70.7	70.2	100.7	101.1	19.2	19.3	99.5	98.0	143	144	99.3	99.3
C2	6.6	6.0	110.0	113.8	69.2	69.3	99.8	100.7	69.4	69.5	99.8	99.3	20.0	20.7	96.6	102.0	138	140	98.6	95.8
E2	7.1	6.8	104.4	122.4	69.1	69.5	99.4	100.6	69.7	70.2	99.3	99.7	18.4	18.7	98.4	93.9	140	143	97.9	97.2
G2	5.9	6.0	98.3	101.7	68.4	69.0	99.1	99.6	69.8	70.3	99.3	99.8	19.4	19.6	99.0	99.0	150	148	101.4	104.2
H2		5.2			69.5	70.0	99.3	101.2	69.5	70.4	98.7	99.4	19.9	19.6	101.5	101.5	143	147	97.3	99.3
J2	5.2	5.8	89.6	89.6	69.4	69.5	99.8	101.0	70.0	70.1	99.8	100.1	19.6	18.9	103.7	100.0	143	141	101.4	99.3
K2	5.2	5.0	104.0	89.6	68.0	67.8	100.3	99.0	69.9	69.9	100.0	100.0	20.1	20.8	96.6	102.6	144	145	99.3	100.0
N2	5.9	5.6	105.4	101.7	68.3	68.0	100.4	99.4	69.7	69.6	100.1	99.7	19.4	19.2	101.0	99.0	136	136	100.0	94.4
O2	4.1	4.0	102.5	70.7	66.5	66.9	99.4	96.8	69.2	69.6	99.4	99.0	18.4	18.2	101.1	93.9	168	150	112.0	116.7
P2	5.1	4.7	108.5	87.9	67.9	68.4	99.3	98.8	69.9	70.7	98.9	100.0	20.3	20.4	99.5	103.6	144	144	100.0	100.0
Q2		7.3				69.5				69.9				19.4			146			
R2	4.9	4.6	106.5	84.5	67.2	67.2	100.0	97.8	69.3	69.5	99.7	99.1	20.1	19.7	102.0	102.6	143	146	97.9	99.3
S2	5.9	6.1	96.7	101.7	69.7	68.7	101.4	101.4	69.9	69.0	101.3	100.0					146	148	98.6	101.4
U2	6.0	6.1	98.4	103.4	69.2	68.4	101.2	100.7	70.6	69.6	101.4	101.0	18.7	18.7	100.0	95.4	150	156	96.2	104.2
V2	5.3	5.3	100.0	91.4	68.5	68.3	100.3	99.7	70.3	70.1	100.3	100.6	20.3	20.7	98.1	103.6	140	139	100.7	97.2
W2	7.3	6.8	107.4	125.9	69.1	68.5	100.9	100.6	69.3	69.3	100.0	99.1	19.0	19.5	97.4	96.9	142	148	95.9	98.6
FKI DATA																				
CUR.																				
AV.	5.9				68.6				69.7				19.6				144			
CUM.																				
AV.	5.8				68.7				69.9				19.6				144			
IND.																				
*D	101.7				99.8				99.7				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

**TABLE X**  
**AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB. FOURDRINIER KRAFT LINERBOARD**  
**APRIL, 1972**

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.-G.				
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	
C1	6.3	6.3	100.0	108.6	67.4	67.8	99.4	98.1	68.5	68.8	99.6	98.0	20.0	20.1	99.5	102.0	136	133	102.2	94.4	
D1	5.2	5.2	100.0	89.6	68.8	68.4	100.6	100.1	70.7	70.3	100.6	101.1	18.4	18.2	101.1	93.9	146	148	98.6	101.4	
E1		4.3				69.0				71.1				19.8				151			
F1		5.3				68.3				70.1				22.4				145			
I1	5.5	4.7	117.0	94.8	68.0	67.8	100.3	99.0	69.7	70.1	99.4	99.7	18.7	18.1	103.3	95.4	157	146	107.5	109.0	
J1	5.8	5.4	107.4	100.0	68.2	68.7	99.3	99.3	69.7	70.5	98.9	99.7	19.3	19.5	99.0	98.5	137	141	97.2	95.1	
K1		4.7				69.9				70.3				19.0				148			
L1	6.0	6.2	96.8	103.4	68.8	69.1	99.6	100.1	70.2	70.4	99.7	100.4	19.2	19.0	101.0	98.0	150	154	97.4	104.2	
M1		6.2				68.5				69.7				19.6				146			
P1	5.7	4.7	121.3	98.3	68.6	68.0	100.9	99.8	70.2	70.3	99.8	100.4	20.9	19.7	106.1	106.6	143	144	99.3	99.3	
Q1	5.2	4.5	115.6	89.6	69.1	69.2	99.8	100.6	69.4	69.8	99.4	99.3	21.2	21.2	100.0	108.2	144	148	97.3	100.0	
R1	6.3	5.5	114.5	108.6	68.5	68.9	99.4	99.7	69.6	70.6	98.6	99.6	20.0	20.7	96.6	102.0	138	139	99.3	95.8	
S1	7.3	7.1	102.8	125.9	68.6	68.7	99.8	99.8	68.9	69.2	99.6	98.6	19.9	20.0	99.5	101.5	151	147	102.7	104.9	
T1		6.6				70.1				71.0				20.5				142			
U1	6.2	6.3	98.4	106.9	68.6	68.6	100.0	99.8	69.8	69.7	100.1	99.8	19.3	19.5	99.0	98.5	141	141	100.0	97.9	
V1	6.2	6.2	100.0	106.9	69.1	68.9	100.3	100.6	70.3	70.2	100.1	100.6	19.9	20.1	99.0	101.5	138	139	99.3	95.8	
W1	5.3	5.4	98.1	91.4	69.7	69.6	100.1	101.4	70.3	70.2	100.1	100.6	19.4	19.6	99.0	99.0	143	141	101.4	99.3	
Z1	7.0	7.8	89.7	120.7	69.8	69.5	100.4	101.6	70.4	69.6	101.1	100.7	20.6	20.9	98.6	105.1	140	142	98.6	97.2	
A2	5.2	5.8	89.6	89.6	67.8	68.3	99.3	98.7	69.7	69.8	99.8	99.7	19.4	19.1	101.6	99.0	146	147	99.3	101.4	
B2	6.5	6.8	95.6	112.1	69.4	69.5	99.8	101.0	70.4	70.3	100.1	100.7	19.0	19.3	98.4	96.9	149	144	103.5	103.5	
C2	6.9	6.1	113.1	119.0	69.3	69.3	100.0	100.9	69.5	69.5	100.0	99.4	20.0	20.6	97.1	102.0	139	140	99.3	96.5	
E2	7.1	6.8	104.4	122.4	69.0	69.4	99.4	100.4	69.6	70.2	99.1	99.6	18.3	18.7	97.9	93.4	147	143	102.8	102.1	
G2	5.7	6.0	95.0	98.3	69.2	69.0	100.3	100.7	70.8	70.3	100.7	101.3	19.2	19.7	97.5	98.0	147	147	100.0	102.1	
H2		5.2				69.0	70.0	98.6	100.4	69.5	70.4	98.7	99.4	18.8	19.7	95.4	95.9	144	147	98.0	100.0
J2	5.2	5.7	91.2	89.6	69.8	69.5	100.4	101.6	70.4	70.1	100.4	100.7	18.8	19.0	98.9	95.9	139	141	98.6	96.5	
K2	5.6	5.0	112.0	96.6	67.5	67.9	99.4	98.2	69.1	69.9	98.8	98.8	19.2	20.8	92.3	98.0	143	145	98.6	99.3	
N2	5.6	5.7	98.2	96.6	68.2	68.1	100.1	99.3	69.8	69.6	100.3	99.8	19.2	19.2	100.0	98.0	141	136	103.7	97.9	
O2	3.7	3.9	94.9	63.8	66.8	66.8	100.0	97.2	69.7	69.6	100.1	99.7	18.3	18.2	100.5	93.4	154	152	101.3	106.9	
P2	5.1	4.8	106.2	87.9	67.5	68.2	99.0	98.2	69.5	70.5	98.6	99.4	20.4	20.4	100.0	104.1	145	144	100.7	100.7	
Q2		7.4				69.6				69.8				19.4				144			
R2	4.8	4.6	104.3	82.8	67.3	67.1	100.3	98.0	69.5	69.5	100.0	99.4	19.9	19.8	100.5	101.5	143	145	98.6	99.3	
S2	6.0	6.1	98.4	103.4	69.1	68.8	100.4	100.6	69.3	69.1	100.3	99.1					147	149	98.6	102.1	
U2	5.8	6.1	95.1	100.0	69.4	68.6	101.2	101.0	70.9	69.8	101.6	101.4	18.7	18.7	100.0	95.4	152	156	97.4	105.6	
V2	5.0	5.3	94.3	86.2	68.7	68.2	100.7	100.0	70.8	70.1	101.0	101.3	20.1	20.6	97.6	102.6	142	139	102.2	98.6	
W2	6.5	6.8	95.6	112.1	69.5	68.6	101.3	101.2	69.7	69.3	100.6	99.7	19.0	19.5	97.4	96.9	144	147	98.0	100.0	
FKI DATA																					
CUR. AV.		5.8			68.6				69.8				19.5				144				
CUM. AV.		5.8			68.7				69.9				19.6				144				
IND. *D		100.0			99.8				99.8				99.5				100.0				

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB. FOURDRINIER KRAFT LINERBOARD  
MARCH, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
G1	6.5	6.3	103.2	106.6	86.5	87.3	99.1	96.8	87.7	88.7	98.9	96.5	25.0	26.0	96.2	98.0	166	162	102.5	96.5
E1		4.4				90.1				93.4				24.4				190		
I1	5.8	5.2	111.5	95.1	88.1	88.0	100.1	98.5	90.0	90.5	99.4	99.0	24.9	24.4	102.0	97.6	181	178	101.7	105.2
J1	5.3	5.3	100.0	86.9	90.2	91.2	98.9	100.9	92.6	93.7	98.8	101.9	25.3	24.8	102.0	99.2	166	164	101.2	96.5
K1		5.1			89.9	91.8	97.9	100.6	90.2	92.6	97.4	99.2	25.5	24.6	103.6	100.0	182	178	102.2	105.8
M1		6.2				89.3				90.8				26.1				171		
Q1	6.0	5.4	111.1	98.4	89.8	90.1	99.7	100.4	90.2	91.5	98.6	99.2	27.8	27.1	102.6	109.0	172	178	96.6	100.0
R1	7.0	5.5	127.3	114.8	90.6	90.0	100.7	101.3	91.4	92.2	99.1	100.6	26.8	27.1	98.9	105.1	163	161	101.2	94.8
S1	8.3	7.3	113.7	136.1	89.4	89.7	99.7	100.0	89.0	90.2	98.7	97.9	26.8	26.4	101.5	105.1	169	173	97.7	98.2
U1	6.7	6.4	104.7	109.8	89.6	89.4	100.2	100.2	90.7	90.8	99.9	99.8	24.5	24.8	98.8	96.1	162	161	100.6	94.2
V1	6.6	6.4	103.1	108.2	90.6	90.0	100.7	101.3	91.8	91.3	100.5	101.0	27.3	26.3	103.8	107.0	170	174	97.7	98.8
M1		5.6				90.6				91.4				25.9				167		
A2	5.6	6.0	93.3	91.8	89.1	89.2	99.9	99.7	91.2	91.0	100.2	100.3	25.4	25.4	100.0	99.6	173	172	100.6	100.6
B2	7.1	7.9	89.9	116.4	90.6	90.5	100.1	101.3	91.3	90.4	101.0	100.4	23.2	23.3	99.6	91.0	167	166	100.6	97.1
E2	7.6	7.4	102.7	124.6	91.5	90.5	101.1	102.3	91.7	90.8	101.0	100.9	24.2	24.4	99.2	94.9	172	172	100.0	100.0
G2	6.3	6.5	96.9	103.3	88.7	89.5	99.1	99.2	90.1	90.8	99.2	99.1	25.0	25.1	99.6	98.0	186	180	103.3	108.1
H2		5.8			91.2	90.7	100.6	102.0	91.7	91.5	100.2	100.9	25.0	25.1	99.6	98.0	178	183	97.3	103.5
K2	5.6	5.4	103.7	91.8	89.4	88.8	100.7	100.0	91.5	91.1	100.4	100.7	26.7	27.0	98.9	104.7	176	176	100.0	102.3
L2		6.9				91.5				92.4				25.7				172		
N2	5.7	5.8	98.3	93.4	89.1	88.9	100.2	99.7	91.1	90.8	100.3	100.2	25.6	25.3	101.2	100.4	164	162	101.2	95.3
O2	3.8	3.9	97.4	62.3	86.6	86.7	99.9	96.9	90.3	90.4	99.9	99.3	22.9	24.1	95.0	89.8	216	189	114.3	125.6
P2	5.8	5.5	105.4	95.1	88.5	88.9	99.6	99.0	90.4	91.2	99.1	99.4	25.2	26.1	96.6	98.8	177	172	102.9	102.9
R2		4.6				87.3				90.3				25.6				169		
S2	5.9	5.9	100.0	96.7	89.3	89.4	99.9	99.9	89.6	89.8	99.8	98.6					173	176	98.3	100.6
U2	6.1	6.2	98.4	100.0	89.9	89.2	100.8	100.6	91.5	90.7	100.9	100.7	25.2	24.8	101.6	98.8	176	188	93.6	102.3
V2	5.1	5.6	91.1	83.6	89.1	88.9	100.2	99.7	91.7	91.1	100.6	100.9	26.7	26.7	100.0	104.7	166	165	100.6	96.5
M2	7.1	6.8	104.4	116.4	90.6	88.9	101.9	101.3	90.9	89.8	101.2	100.0	24.0	24.5	98.0	94.1	185	193	95.8	107.6
FKI DATA																				
CUR.																				
AV.	6.2				89.5				90.8				25.4				174			
CUM.																				
AV.	6.1				89.4				90.9				25.5				172			
IND.																				
*D	101.6				100.1				99.9				99.6				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB. FOURDRINIER KRAFT LINERBOARD  
APRIL, 1972

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	6.6	6.3	104.8	108.2	87.0	87.2	99.8	97.3	88.1	88.6	99.4	96.9	25.7	25.9	99.2	100.8	166	163	101.8	96.5
E1		4.4				90.1				93.4				24.4				190		
T1	6.3	5.4	116.7	103.3	90.3	88.0	102.6	101.0	91.7	90.4	101.4	100.9	24.8	24.5	101.2	97.2	202	179	112.8	117.4
J1		5.3				91.1				93.6				25.0				164		
K1		5.1				91.2				91.8				24.7				179		
M1		6.2				89.3				90.8				26.1				171		
Q1	6.0	5.6	107.1	98.4	90.1	90.0	100.1	100.8	90.6	91.1	99.4	99.7	27.8	27.3	101.8	109.0	176	176	100.0	102.3
R1	6.5	5.7	114.0	106.6	90.1	90.0	100.1	100.8	91.4	92.0	99.3	100.6	26.8	27.2	98.5	105.1	161	162	99.4	93.6
S1	7.8	7.4	105.4	127.9	89.1	89.7	99.3	99.7	89.1	90.1	98.9	98.0	26.1	26.5	98.5	102.4	174	173	100.6	101.2
U1	6.6	6.4	103.1	108.2	89.2	89.5	99.7	99.8	90.4	90.8	99.6	99.4	24.1	24.7	97.6	94.5	161	161	100.0	93.6
V1		6.5				90.1				91.4				26.4				173		
W1	5.2	5.7	91.2	85.2	90.8	90.5	100.3	101.6	91.6	91.3	100.3	100.8	25.7	25.9	99.2	100.8	164	167	98.2	95.3
A2	5.5	5.9	93.2	90.2	88.5	89.2	99.2	99.0	90.7	91.0	99.7	99.8	25.8	25.6	100.8	101.2	174	172	101.2	101.2
B2	7.1	7.8	91.0	116.4	90.8	90.5	100.3	101.6	91.5	90.5	101.1	100.7	22.7	23.3	97.4	89.0	168	166	101.2	97.7
E2	8.0	7.5	106.7	131.1	90.9	90.6	100.3	101.7	90.7	90.9	99.8	99.8	24.1	24.3	99.2	94.5	176	172	102.3	102.3
G2	6.1	6.5	93.8	100.0	90.4	89.4	101.1	101.1	92.0	90.6	101.5	101.2	24.1	25.2	95.6	94.5	178	181	98.3	103.5
H2		5.8			90.3	90.9	99.3	101.0	90.7	91.6	99.0	99.8	25.3	25.1	100.8	99.2	177	183	96.7	102.9
K2		5.4				88.9				91.2				27.0				175		
L2		6.8				91.7				92.8				25.6				175		
N2	5.5	5.8	94.8	90.2	88.9	88.9	100.0	99.4	91.1	90.8	100.3	100.2	24.3	25.4	95.7	95.3	164	162	101.2	95.3
O2	4.2	3.9	107.7	68.8	86.9	86.7	100.2	97.2	90.3	90.4	99.9	99.3	23.2	23.9	97.1	91.0	206	194	106.2	119.8
P2	5.3	5.6	94.6	86.9	88.4	88.8	99.5	98.9	90.8	91.0	99.8	99.9	25.6	25.9	98.8	100.4	171	173	98.8	99.4
R2	5.2	4.6	113.0	85.2	87.8	87.3	100.6	98.2	90.3	90.3	100.0	99.3	25.0	25.6	97.6	98.0	171	169	101.2	99.4
S2	5.8	5.9	98.3	95.1	89.6	89.4	100.2	100.2	89.9	89.8	100.1	98.9					169	176	96.0	98.2
U2	6.1	6.2	98.4	100.0	90.9	89.3	101.8	101.7	92.5	90.9	101.8	101.8	25.1	24.8	101.2	98.4	180	188	95.7	104.6
V2	4.8	5.5	87.3	78.7	88.4	88.9	99.4	98.9	91.3	91.1	100.2	100.4	26.4	26.7	98.9	103.5	169	165	102.4	98.2
W2		6.9				89.5				90.2				24.3				190		
FKI DATA																				
CUR.																				
AV.	6.0				89.4				90.8				25.1				174			
CUM.																				
AV.	6.1				89.4				90.9				25.5				172			
IND.																				
*D	98.4				100.0				99.9				98.4				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIII. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and FKI 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 month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XIII  
 DATA ON CONDITIONING AND TESTING ENVIRONMENTS  
 MARCH AND APRIL, 1972

Code	Conditioning Environment			Testing Environment	
	Are Quality Samples Conditioned Before Testing?	Time	Procedure	Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?	
			R.H., %	Temp., °F.	
A1	No	--	--	--	No
B1	No data submitted for March and April				
C1	No	--	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
D1	No	--	--	--	No
E1	Yes	15 min.	--	--	Yes: 73 ± 3.5°F.; 50 ± 2% R.H.
F1	No	--	--	--	Yes: 72 ± 3.5°F.; 50 ± 2% R.H.
G1	Yes	7 min.	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.
H1	No	--	--	--	No
I1	No	--	--	--	No
J1	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.
K1	Yes	Note <sup>a</sup>	--	--	Yes: 72 ± 2°F.; 50 ± 2% R.H.
L1	No	--	--	--	Yes: 72 ± 2°F.; 50 ± 2% R.H.
M1	No	--	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
N1	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 1% R.H.
O1	No data submitted for March and April				
P1	No	--	--	--	Yes: 73 ± 3.5°F.; 50 ± 2% R.H.
Q1	Yes	5-20 min.	--	--	Yes: 72 ± 1°F.; 50 ± 5% R.H.
R1	No	--	--	--	Yes: 70 ± 2°F.; 50 ± 2% R.H.
S1	No	--	--	--	No
T1	No	--	--	--	Yes: 73 ± 4°F.; 50 ± 10% R.H.
U1	No	--	--	--	No
V1	No	--	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
W1	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.
X1	No	--	--	--	No
Y1	No	--	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
Z1	No	--	--	--	No
A2	No	--	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
B2	No	--	--	--	No
C2	No	--	--	--	No
D2	No	--	--	--	Yes: 70 ± 2°F.; 50 ± 2% R.H.
E2	No	--	--	--	No
F2	No	--	--	--	Yes: 73 ± 3.5°F.; 50 ± 2% R.H.
G2	No	--	--	--	Yes: 72 ± 2°F.; 50 ± 1% R.H.
H2	Yes	Note <sup>a</sup>	--	--	Yes: 72 ± 2°F.; 50 ± 2% R.H.
I2	No	--	--	--	No
J2	Yes	--	50	73	Yes: 73°F.; 50 ± 3% R.H.
K2	No	--	--	--	Yes: 72 ± 2°F.; 50 ± 2% R.H.
L2	No	--	--	--	Yes: 73 ± 4°F.; 50 ± 10% R.H.
M2	No	--	--	--	No
N2	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 5% R.H.
O2	No	--	--	--	No
P2	No	--	--	--	No
Q2	No	--	--	--	Yes: 72 ± 2°F.; 55 ± 5% R.H.
R2	No	--	--	--	No
S2	No	--	--	--	No
T2	No	--	--	--	No
U2	No	--	--	--	No
V2	No	--	--	--	No
W2	No	--	--	--	No
X2	No	--	--	--	Yes: 73 ± 3.5°F.; 50 ± 2% R.H.
Y2	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.

<sup>a</sup>Samples were brought to equilibrium at standard temperature and humidity.

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*R. C. McKee / gjo*

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R. C. McKee, Chairman  
Container Section

APPENDIX

NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and FKI 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%:

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

Note B: Machine factor (%) =  $\left[ \frac{\text{Current machine average}}{\text{Cumulative machine average}} \right] \cdot 100$  where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months excluding CMA for current month}}{12}$$

Note C: Machine index (%) =  $\left[ \frac{\text{Current machine average}}{\text{Cumulative FKI average}} \right] \cdot 100$  where

$$\text{Cumulative FKI average} = \sum \frac{\text{CFKIA's}^b \text{ for previous 12 months excluding CFKIA for current month}}{12}$$

Note D: FKI index (%) =  $\left[ \frac{\text{Current FKI average}}{\text{Cumulative FKI average}} \right] \cdot 100$  where

$$\text{Current FKI average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

<sup>a</sup>CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

<sup>b</sup>CFKIA = current FKI average for a specific physical property of a specific linerboard grade weight obtained during a given month.

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