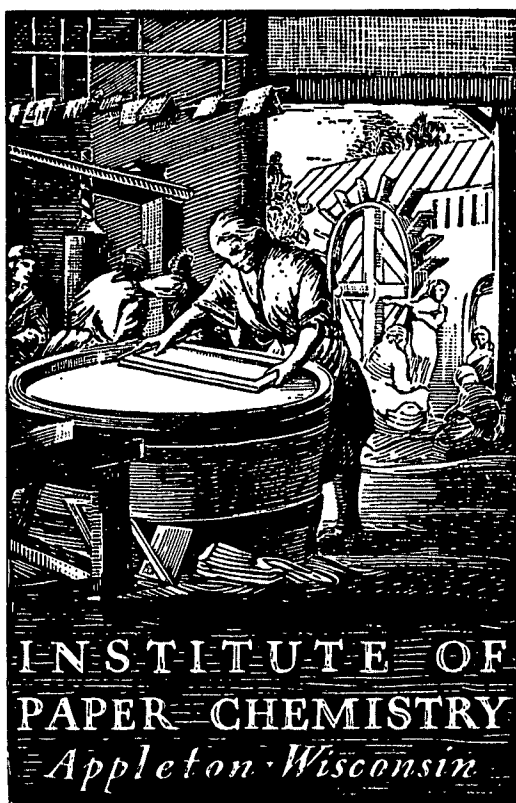


BASE-LINE

MAY-JUNE, 1975



**CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR
MAY AND JUNE, 1975)**

Project 2694-1

Report Fifty-One

A Progress Report

to

FOURDRINIER KRAFT BOARD INSTITUTE, INC.

August 20, 1975

BASE-LINE
MAY-JUNE, 1975

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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(MILL LINERBOARD DATA FOR MAY AND JUNE, 1975)

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

August 20, 1975

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR MAY AND JUNE, 1975)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(MARCH-JUNE, 1975)

Linerboard Grade Wt.		Moisture Content			
		March	April	May	June
26 Lb	Max. ^a	5.9	6.0	5.8	7.1
	Min. ^a	3.4	3.2	3.0	2.7
	Av. ^b	4.5 (14)	4.8 (15)	4.7 (17)	4.6 (17)
33 Lb	Max. ^a	6.2	7.0	7.0	7.2
	Min. ^a	1.6	1.9	1.3	1.7
	Av. ^b	4.7 (20)	4.7 (22)	4.6 (27)	4.8 (25)
38 Lb	Max. ^a	7.2	7.2	7.0	6.4
	Min. ^a	3.8	3.4	3.6	2.8
	Av. ^b	5.2 (18)	5.1 (24)	5.1 (19)	5.0 (22)
42 Lb	Max. ^a	7.3	7.4	7.2	6.8
	Min. ^a	3.0	2.4	2.4	3.2
	Av. ^b	5.2 (40)	5.1 (42)	5.1 (41)	5.2 (42)
69 Lb	Max. ^a	8.6	8.7	8.2	7.9
	Min. ^a	3.9	2.2	3.9	3.0
	Av. ^b	6.0 (32)	5.7 (33)	6.0 (32)	5.9 (31)
90 Lb	Max. ^a	7.8	7.6	7.8	7.8
	Min. ^a	1.8	4.5	4.8	4.4
	Av. ^b	5.8 (15)	6.3 (13)	6.4 (12)	6.3 (13)

^aCurrent machine average.

^bCurrent F.K.I. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA
(MARCH-JUNE, 1975)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft ²			
		March	April	May	June
26 Lb	Max. ^a	29.0	27.7	27.5	28.0
	Min. ^a	26.1	25.9	25.9	26.0
	Av. ^b	26.9 (14)	26.6 (15)	26.7 (17)	26.8 (17)
33 Lb	Max. ^a	34.4	34.5	34.7	34.5
	Min. ^a	33.2	32.8	32.7	33.0
	Av. ^b	33.6 (20)	33.4 (22)	33.5 (27)	33.5 (25)
38 Lb	Max. ^a	39.4	39.7	40.7	39.6
	Min. ^a	38.1	37.9	37.8	37.9
	Av. ^b	38.6 (18)	38.6 (24)	38.6 (20)	38.6 (22)
42 Lb	Max. ^a	43.3	43.5	43.8	43.7
	Min. ^a	41.9	41.8	42.0	42.0
	Av. ^b	42.5 (40)	42.5 (42)	42.6 (42)	42.6 (42)
69 Lb	Max. ^a	72.5	71.6	72.2	70.9
	Min. ^a	68.4	68.3	68.7	68.7
	Av. ^b	69.7 (32)	69.7 (33)	69.9 (32)	69.7 (31)
90 Lb	Max. ^a	92.1	92.4	92.0	91.6
	Min. ^a	89.3	89.8	89.4	90.1
	Av. ^b	91.1 (15)	90.8 (13)	90.7 (12)	90.9 (13)

^aCurrent machine average.

^bCurrent F.K.I. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA
(MARCH-JUNE, 1975)

Linerboard Grade Wt.		Caliper, pt.			
		March	April	May	June
26 Lb	Max. ^a	9.1	9.3	9.2	8.9
	Min. ^a	7.3	7.0	7.3	7.5
	Av. ^b	8.1 (14)	8.0 (15)	8.0 (17)	8.1 (17)
33 Lb	Max. ^a	11.2	11.2	10.9	11.5
	Min. ^a	8.8	9.2	9.0	8.9
	Av. ^b	9.9 (20)	10.0 (22)	9.8 (26)	9.9 (24)
38 Lb	Max. ^a	11.7	12.1	12.2	11.5
	Min. ^a	9.7	9.5	9.9	10.0
	Av. ^b	10.9 (17)	11.1 (23)	11.1 (19)	11.0 (21)
42 Lb	Max. ^a	13.2	13.6	13.5	13.5
	Min. ^a	10.7	10.8	11.0	11.0
	Av. ^b	12.0 (39)	12.0 (41)	12.0 (42)	12.1 (41)
69 Lb	Max. ^a	21.2	21.6	23.6	21.1
	Min. ^a	17.3	18.0	17.7	17.6
	Av. ^b	19.4 (31)	19.6 (32)	19.9 (32)	19.7 (30)
90 Lb	Max. ^a	26.8	27.6	26.5	28.0
	Min. ^a	22.8	23.0	23.4	22.5
	Av. ^b	25.2 (15)	25.6 (12)	25.4 (12)	25.8 (13)

^aCurrent machine average.

^bCurrent F.K.I. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA
(MARCH-JUNE, 1975)

Linerboard Grade Wt.		Bursting Strength, psig			
		March	April	May	June
26 Lb	Max. ^a	82	81	86	81
	Min. ^a	61	64	66	64
	Av. ^b	73 (14)	70 (15)	75 (16)	72 (17)
33 Lb	Max. ^a	108	105	108	118
	Min. ^a	73	77	78	77
	Av. ^b	87 (20)	86 (21)	88 (27)	88 (25)
38 Lb	Max. ^a	110	112	120	111
	Min. ^a	91	89	86	90
	Av. ^b	98 (18)	98 (24)	99 (20)	98 (22)
42 Lb	Max. ^a	124	121	124	119
	Min. ^a	98	98	99	97
	Av. ^b	106 (40)	105 (42)	107 (42)	106 (42)
69 Lb	Max. ^a	165	181	161	156
	Min. ^a	133	131	130	130
	Av. ^b	143 (32)	143 (33)	143 (32)	142 (31)
90 Lb	Max. ^a	198	182	196	184
	Min. ^a	161	162	165	155
	Av. ^b	172 (15)	172 (13)	174 (12)	169 (13)

^aCurrent machine average.

^bCurrent 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
MAY, 1975

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		3.3				25.2				26.4				7.8			72			
C1	4.7	4.4	106.8	106.8	25.5	25.5	100.0	98.4	26.4	26.4	100.0	99.2	7.5	7.6	98.7	93.8	68	66	103.0	95.8
F1	4.3	4.8	89.6	97.7	26.2	26.0	100.8	101.2	27.2	26.9	101.1	102.2	9.2	8.8	104.5	115.0	81	70	115.7	114.1
I1	4.7	4.8	97.9	106.8	25.9	25.6	101.2	100.0	26.8	26.4	101.5	100.8	7.8	7.8	100.0	97.5	66	65	101.5	93.0
K1		4.1				26.7				27.8				8.3			62			
L1	5.4	5.0	108.0	122.7	26.4	26.3	100.4	101.9	26.5	26.4	100.4	99.6	7.7	8.5	90.6	96.2	75	72	104.2	105.6
M1		3.8				26.0				26.4				7.4			64			
P1	5.5	5.8	94.8	125.0	25.5	25.6	99.6	98.4	26.1	26.2	99.6	98.1	7.3	7.6	96.0	91.2		66		
R1	5.0	4.9	102.0	113.6	25.3	25.4	99.6	97.7	26.1	26.2	99.6	98.1	8.5	8.1	104.9	106.2	76	69	110.1	107.0
S1	4.8	4.6	104.3	109.1	26.6	26.2	101.5	102.7	27.5	27.0	101.8	103.4	8.7	8.6	101.2	108.8	73	74	98.6	102.8
U1	4.4	4.9	89.8	100.0	25.8	25.8	100.0	99.6	25.9	25.9	100.0	97.4	8.0	8.0	100.0	100.0	71	69	102.9	100.0
W1	4.8	3.0	160.0	109.1	26.2	25.2	104.0	101.2	27.1	26.6	101.9	101.9	8.0	8.2	97.6	100.0	77	72	106.9	108.4
X1	3.0	3.1	96.8	68.2	27.0	26.6	101.5	104.2	27.1	26.6	101.9	101.9	7.8	8.1	96.3	97.5	74	68	108.8	104.2
Y1		5.9				26.9				27.0				8.0			74			
Z1	5.1	4.9	104.1	115.9	25.6	25.6	100.0	98.8	26.3	26.3	100.0	98.9	7.8	7.8	100.0	97.5	71	68	104.4	100.0
B2	3.8	3.6	105.6	86.4	27.4	27.6	99.3	105.8	27.5	27.7	99.3	103.4	7.7	7.9	97.5	96.2	73	70	104.3	102.8
D2	3.6	4.0	90.0	81.8	26.3	25.9	101.5	101.5	27.5	27.0	101.8	103.4	8.2	7.9	103.8	102.5	75	70	107.1	105.6
F2		3.9				26.4				26.5				8.0			77			
G2	5.7	5.2	109.6	129.5	27.4	26.4	103.8	105.8	27.5	26.5	103.8	103.4	8.9	7.2	123.6	111.2	76	74	102.7	107.0
I2		3.5				25.3				26.4				7.8			80			
K2		5.4				26.1				26.7				7.6			74			
L2	5.8	5.7	101.8	131.8	26.1	26.0	100.4	100.8	26.7	26.6	100.4	100.4	8.0	8.6	93.0	100.0	80	75	106.7	112.7
P2	5.8	5.9	98.3	131.8	26.2	26.0	100.8	101.2	26.2	26.3	99.6	98.5	7.3	7.2	101.4	91.2	86	78	110.2	121.1
S2		5.9				26.1				26.2							68			
U2		7.1				26.5				26.7				8.2			72			
V2		4.5				27.2				27.3				8.0			71			
W2		0.4				24.5				26.5				7.8			63			
X2	4.0	3.8	105.3	90.9	25.2	25.2	100.0	97.3	26.2	26.2	100.0	98.5	7.6	7.5	101.3	95.0	73	76	96.0	102.8
FKI DATA																				
CUR.																				
AV. 4.7																				
CUM.																				
AV. 4.4																				
IND.																				
*D 106.8																				
101.2																				
100.4																				
100.0																				
105.6																				

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
JUNE, 1975

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		3.3				25.2				26.4				7.8				72		
C1	5.2	4.4	118.2	115.6	25.6	25.5	100.4	98.8	26.3	26.4	99.6	98.9	7.5	7.5	100.0	93.8	68	66	103.0	95.8
F1	3.7	4.7	78.7	82.2	26.0	26.1	99.6	100.4	27.1	27.0	100.4	101.9	8.9	8.9	100.0	111.2	79	71	111.3	111.3
I1	4.5	4.8	93.8	100.0	26.0	25.6	101.6	100.4	26.9	26.5	101.5	101.1	7.7	7.8	98.7	96.2	70	65	107.7	98.6
K1	4.7	4.1	114.6	104.4	26.4	26.7	98.9	101.9	27.3	27.8	98.2	102.6	8.2	8.3	98.8	102.5	65	62	104.8	91.5
L1		5.1				26.4				26.4				8.4				72		
M1		3.8				26.0				26.4				7.4				64		
P1	5.9	5.7	103.5	131.1	25.6	25.6	100.0	98.8	26.1	26.2	99.6	98.1	7.8	7.6	102.6	97.5	64	66	97.0	90.1
R1	4.9	4.9	100.0	108.9	25.7	25.5	100.8	99.2	26.5	26.3	100.8	99.6	8.2	8.3	98.8	102.5	77	70	110.0	108.4
S1	4.7	4.7	100.0	104.4	26.6	26.2	101.5	102.7	27.5	27.1	101.5	103.4	8.3	8.6	96.5	103.8	76	74	102.7	107.0
U1	4.4	4.8	91.7	97.8	25.9	25.8	100.4	100.0	26.0	25.9	100.4	97.7	7.5	8.0	93.8	93.8	72	69	104.3	101.4
W1	3.8	3.2	118.8	84.4	25.5	25.4	100.4	98.4	26.6	26.6	100.0	100.0	8.8	8.2	107.3	110.0	74	73	101.4	104.2
X1	2.7	3.1	87.1	60.0	26.7	26.6	100.4	103.1	26.8	26.7	100.4	100.8	7.9	8.1	97.5	98.8	70	68	102.9	98.6
Y1		5.9				26.9				27.0				8.0				74		
Z1	4.9	4.9	100.0	108.9	25.5	25.6	99.6	98.4	26.3	26.3	100.0	98.9	7.6	7.8	97.4	95.0	69	68	101.5	97.2
B2	3.4	3.7	91.9	75.6	27.9	27.6	101.1	107.7	28.0	27.7	101.1	105.3	8.4	7.9	106.3	105.0	68	70	97.1	95.8
D2	3.7	3.9	94.9	82.2	26.1	26.0	100.4	100.8	27.2	27.0	100.7	102.2	8.0	7.9	101.3	100.0	74	71	104.2	104.2
F2	4.4	3.9	112.8	97.8	26.6	26.4	100.8	102.7	26.7	26.5	100.8	100.4	8.3	8.0	103.8	103.8	81	77	105.2	114.1
G2		5.4				26.7				26.8				7.8				74		
I2		3.5				25.3				26.4				7.8				80		
K2		5.4				26.1				26.7				7.6				74		
L2	5.9	5.8	101.7	131.1	26.2	26.0	100.8	101.2	26.8	26.6	100.8	100.8	8.3	8.5	97.6	103.8	72	76	94.7	101.4
P2		5.8				26.0				26.3				7.2				80		
S2		5.9				26.1				26.2								68		
U2	7.1	7.1	100.0	157.8	26.2	26.5	98.9	101.2	26.4	26.7	98.9	99.2	8.1	8.2	98.8	101.2	78	72	108.3	109.8
V2		4.5				27.2				27.3				8.0				71		
W2		0.4				24.4				26.4				7.7				64		
X2	3.7	3.8	97.4	82.2	25.9	25.2	102.8	100.0	27.0	26.2	103.0	101.5	7.9	7.6	103.9	98.8	72	76	94.7	101.4
FKI DATA																				
CUR.																				
AV. 4.6																				
CUM.																				
AV. 4.5																				
IND.																				
*D 102.2																				
100.8																				
100.8																				
101.2																				
101.4																				

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

MAY, 1975

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		3.2				31.7				33.3				10.1				84		
B1	5.8	5.8	100.0	126.1	33.0	32.6	101.2	100.9	33.7	33.4	100.9	100.6	9.9	9.8	101.0	100.0	86	84	102.4	101.2
C1	4.9	4.8	102.1	106.5	32.4	32.4	100.0	99.1	33.4	33.5	99.7	99.7	9.7	10.0	97.0	98.0	87	80	108.8	102.4
D1	4.4	4.3	102.3	95.6	33.3	33.0	100.9	101.8	33.6	33.3	100.9	100.3	9.4	9.5	98.9	94.9	80	79	101.3	94.1
F1	3.9	4.8	81.2	84.8	33.0	33.0	100.0	100.9	34.4	34.1	100.9	102.7	9.8	9.9	99.0	99.0	105	96	109.4	123.5
G1	3.2	4.2	76.2	69.6	31.9	32.2	99.1	97.6	33.5	33.4	100.3	100.0	9.5	10.1	94.0	96.0	86	82	104.9	101.2
I1	4.8	5.2	92.3	104.3	32.4	32.4	100.0	99.1	33.5	33.4	100.3	100.0	9.7	10.0	97.0	98.0	80	75	106.7	94.1
K1	5.1	4.5	113.3	110.9	33.4	33.9	98.5	102.1	34.3	35.1	97.7	102.4	10.1	10.7	94.4	102.0	80	77	103.9	94.1
L1	5.3	4.8	110.4	115.2	33.0	33.1	99.7	100.9	33.1	33.2	99.7	98.8	9.8	9.7	101.0	99.0	90	88	102.3	105.9
N1		4.8				33.8				34.8				9.8				87		
P1		5.7				32.5				33.2				9.7				79		
R1		4.9				32.4				33.4				10.2				82		
S1		5.6				32.7				33.5				10.3				89		
U1	5.1	5.4	94.4	110.9	32.7	32.7	100.0	100.0	32.9	32.9	100.0	98.2	9.8	9.9	99.0	99.0	85	83	102.4	100.0
V1	5.8	5.6	103.6	126.1	33.2	33.2	100.0	101.5	33.3	33.3	100.0	99.4	10.8	10.8	100.0	109.1	87	88	98.9	102.4
W1	4.4	2.9	151.7	95.6	32.6	31.9	102.2	99.7	33.8	33.6	100.6	100.9	10.4	10.0	104.0	105.0	89	86	103.5	104.7
X1	3.6	3.7	97.3	78.3	33.1	33.1	100.0	101.2	33.3	33.3	100.0	99.4	9.8	10.1	97.0	99.0	82	79	103.8	96.5
Y1		6.2				33.4				33.5				11.0				82		
Z1	5.0	5.0	100.0	108.7	32.5	32.5	100.0	99.4	33.5	33.5	100.0	100.0	10.1	10.2	99.0	102.0	80	80	100.0	94.1
A2		5.7				33.1				33.2								84		
B2	4.1	4.8	85.4	89.1	33.9	33.4	101.5	103.7	34.0	33.5	101.5	101.5	9.8	9.7	101.0	99.0	83	85	97.6	97.6
D2	4.0	4.2	95.2	87.0	33.3	32.8	101.5	101.8	34.7	34.0	102.0	103.6	10.1	10.0	101.0	102.0	87	86	101.2	102.4
F2	4.5	4.4	102.3	97.8	33.1	33.2	99.7	101.2	33.2	33.3	99.7	99.1	10.3	10.4	99.0	104.0	96	90	106.7	112.9
G2		5.3				33.5				33.6				9.2				88		
H2	6.1			132.6	32.1			98.2	32.7			97.6	9.3			93.9	81			95.3
I2	4.0	5.0	80.0	87.0	32.3	32.5	99.4	98.8	33.6	33.5	100.3	100.3	9.9	9.8	101.0	100.0	100	97	103.1	117.6
J2	5.5	5.4	101.8	119.6	32.4	32.6	99.4	99.1	33.2	33.5	99.1	99.1	10.0	10.0	100.0	101.0	78	80	97.5	91.8
K2	5.0	5.3	94.3	108.7	32.6	32.8	99.4	99.7	33.6	33.8	99.4	100.3	9.8	9.3	105.4	99.0	89	91	97.8	104.7
L2		6.5				33.0				33.5				10.6				88		
P2	6.0	5.4	111.1	130.4	33.2	32.8	101.2	101.5	33.2	33.4	99.4	99.1	9.1	9.1	100.0	91.9	108	90	120.0	127.0
S2	5.6			121.7	33.2			101.5	33.3			99.4					78			91.8
T2	3.4	5.1	66.7	73.9	33.1	32.6	101.5	101.2	34.7	33.5	103.6	103.6	9.2	9.2	100.0	92.9	83	83	100.0	97.6
U2	7.0	6.7	104.5	152.2	33.2	33.0	100.6	101.5	33.2	33.3	99.7	99.1	10.9	10.7	101.9	110.1	108	85	127.0	127.0
V2		5.1				33.5				33.6				10.0				89		
W2	1.3	1.8	72.2	28.3	31.2	31.4	99.4	95.4	33.4	33.4	100.0	99.7	9.8	10.2	96.1	99.0	84	83	101.2	98.8
X2	3.9	4.2	92.8	84.8	32.1	31.9	100.6	98.2	33.4	33.2	100.6	99.7	9.0	8.9	101.1	90.9	94	95	98.9	110.6
A3		5.3				32.9				33.8				9.5				80		
C3	3.5	2.7	129.6	76.1	31.6	31.5	100.3	96.6	33.1	33.3	99.4	98.8	10.0	9.7	103.1	101.0	87	90	96.7	102.4
FKI DATA																				
CUR.																				
AV. 4.6																				
CUM.																				
AV. 4.6																				
IND.																				
*D 100.0																				
100.0																				
100.0																				
99.0																				
103.5																				

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
JUNE, 1975

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		3.2				31.7				33.3				10.1				84		
B1	5.9	5.8	101.7	128.3	32.8	32.7	100.3	100.3	33.5	33.4	100.3	100.0	9.4	9.8	95.9	94.9	88	84	104.8	103.5
C1	5.1	4.8	106.2	110.9	32.5	32.4	100.3	99.4	33.4	33.5	99.7	99.7	9.8	9.9	99.0	99.0	87	80	108.8	102.4
D1	3.6	4.3	83.7	78.3	32.9	33.1	99.4	100.6	33.2	33.4	99.4	99.1	8.9	9.5	93.7	89.9	83	79	105.1	97.6
F1		4.0				33.0				34.4				9.9				104		
G1	4.8	4.0	120.0	104.3	32.4	32.1	100.9	99.1	33.5	33.4	100.3	100.0	9.8	10.0	98.0	99.0	82	82	100.0	96.5
I1	4.9	5.2	94.2	106.5	32.0	32.5	98.5	97.8	33.0	33.4	98.8	98.5	9.4	10.0	94.0	94.9	81	76	106.6	95.3
K1	5.1	4.6	110.9	110.9	33.4	33.8	98.8	102.1	34.4	35.0	98.3	102.7	10.1	10.6	95.3	102.0	80	78	102.6	94.1
L1	5.4	4.8	112.5	117.4	33.0	33.1	99.7	100.9	33.1	33.2	99.7	98.8	9.3	9.7	95.9	93.9	87	88	98.9	102.4
N1	5.0	4.8	104.2	108.7	33.5	33.8	99.1	102.4	34.5	34.8	99.1	103.0	9.9	9.8	101.0	100.0	83	87	95.4	97.6
P1		5.7				32.5				33.2				9.7				78		
R1		4.8				32.3				33.4				10.2				83		
S1	5.6	5.6	100.0	121.7	33.0	32.7	100.9	100.9	33.8	33.5	100.9	100.9	10.5	10.3	101.9	106.1	87	89	97.8	102.4
U1	5.4	5.4	100.0	117.4	32.9	32.7	100.6	100.6	33.1	32.9	100.6	98.8	9.3	9.9	93.9	93.9	89	83	107.2	104.7
V1	5.9	5.6	105.4	128.3	33.2	33.2	100.0	101.5	33.3	33.3	100.0	99.4	11.5	10.8	106.5	116.2	84	88	95.4	98.8
W1	3.1	3.0	103.3	67.4	32.1	31.9	100.6	98.2	33.7	33.6	100.3	100.6	11.2	10.1	110.9	113.1	87	86	101.2	102.4
X1	3.0	3.7	81.1	65.2	33.0	33.1	99.7	100.9	33.2	33.3	99.7	99.1	9.8	10.0	98.0	99.0	86	79	108.9	101.2
Y1		6.2				33.4				33.5				11.0				82		
Z1	5.0	5.0	100.0	108.7	32.5	32.5	100.0	99.4	33.5	33.5	100.0	100.0	10.3	10.2	101.0	104.0	77	80	96.2	90.6
A2	5.8	5.7	101.8	126.1	33.0	33.1	99.7	100.9	33.1	33.2	99.7	98.8					87	84	103.6	102.4
B2	3.8	4.7	80.8	82.6	33.4	33.4	100.0	102.1	33.5	33.6	99.7	100.0	9.9	9.7	102.1	100.0	84	85	98.8	98.8
D2	4.2	4.2	100.0	91.3	32.9	32.8	100.3	100.6	34.2	34.1	100.3	102.1	9.9	10.0	99.0	100.0	90	86	104.6	105.9
F2	4.4	4.4	100.0	95.6	33.2	33.2	100.0	101.5	33.3	33.3	100.0	99.4	10.4	10.4	100.0	105.0	95	91	104.4	111.8
G2		5.3				33.5				33.6				9.2				88		
H2		6.1				32.1				32.7				9.3				81		
I2		4.8				32.5				33.5				9.8				98		
J2	5.1	5.4	94.4	110.9	32.1	32.6	98.5	98.2	33.0	33.5	98.5	98.5	9.9	10.0	99.0	100.0	80	80	100.0	94.1
K2	5.1	5.2	98.1	110.9	32.9	32.8	100.3	100.6	33.9	33.8	100.3	101.2	9.8	9.4	104.2	99.0	94	91	103.3	110.6
L2		6.5				33.0				33.5				10.6				89		
P2	6.4	5.5	116.4	139.1	33.3	32.9	101.2	101.8	33.3	33.5	99.4	99.4	9.2	9.1	101.1	92.9	118	93	126.9	138.8
S2		5.6				33.2				33.3								78		
T2		4.2				32.8				34.1				9.2				83		
U2	7.2	6.8	105.9	156.5	33.1	33.1	100.0	101.2	33.3	33.3	100.0	99.4	10.7	10.8	99.1	108.1	98	93	105.4	115.3
V2		5.3				33.6				33.7				10.0				87		
W2	1.7	1.7	100.0	37.0	31.3	31.3	100.0	95.7	33.4	33.4	100.0	99.7	9.9	10.2	97.0	100.0	86	83	103.6	101.2
X2	3.9	4.3	90.7	84.8	32.4	32.0	101.2	99.1	33.8	33.2	101.8	100.9	9.3	8.9	104.5	93.9	93	95	97.9	109.4
A3		5.3				32.9				33.8				9.5				80		
C3	3.7	2.8	132.1	80.4	31.6	31.6	100.0	96.6	33.0	33.3	99.1	98.5	10.0	9.8	102.0	101.0	85	89	95.5	100.0
FKI DATA																				
CUR.																				
AV.		4.8				32.7				33.5				9.9				88		
CUM.																				
AV.		4.6				32.7				33.5				9.9				85		
IND.																				
*D 104.3						100.0				100.0				100.0				103.5		

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
MAY, 1975

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	4.8	3.8	126.3	92.3	37.8	36.9	102.4	100.0	39.0	38.5	101.3	101.3	11.3	11.8	95.8	102.7	94	94	100.0	97.9
B1		6.2				37.6				38.2				11.2				95		
C1	4.9	4.7	104.2	94.2	37.3	37.3	100.0	98.7	38.5	38.5	100.0	100.0	11.1	11.3	98.2	100.9	100	90	111.1	104.2
F1		5.0				38.0				39.2				11.7				96		
H1	3.8	3.4	111.8	73.1	37.6	37.1	101.3	99.5	39.2	38.9	100.8	101.8	10.6	10.4	101.9	96.4	100	99	101.0	104.2
I1		5.4				36.8				37.8				11.0				87		
L1		5.1				38.0				38.1				10.9				95		
N1		5.1				38.7				39.8				11.2				98		
O1		5.4				36.7				37.6				10.0				92		
S1	5.7	5.8	98.3	109.6	38.0	37.6	101.1	100.5	38.9	38.5	101.0	101.0	11.2	10.7	104.7	101.8	96	102	94.1	100.0
U1	5.5	5.4	101.8	105.8	37.8	37.8	100.0	100.0	38.0	38.0	100.0	98.7	11.2	11.2	100.0	101.8	94	95	98.9	97.9
V1	5.7	5.8	98.3	109.6	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.5	11.3	11.7	96.6	102.7	97	95	102.1	101.0
W1		4.1				37.0				38.5				11.0				99		
X1	4.4	4.2	104.8	84.6	38.1	38.0	100.3	100.8	38.3	38.2	100.3	99.5	11.2	11.0	101.8	101.8	94	91	103.3	97.9
Y1	6.7	6.0	111.7	128.8	38.8	38.6	100.5	102.6	38.9	38.7	100.5	101.0	11.3	11.1	101.8	102.7	96	99	97.0	100.0
Z1	5.1	5.0	102.0	98.1	37.4	37.4	100.0	98.9	38.5	38.5	100.0	100.0	11.5	11.4	100.9	104.5	92	92	100.0	95.8
A2		5.6				38.0				38.1								94		
B2	3.7	5.0	74.0	71.2	40.6	39.0	104.1	107.4	40.7	39.0	104.4	105.7	11.3	10.8	104.6	102.7	94	96	97.9	97.9
D2		4.9				37.7				38.9				11.2				96		
E2	5.7	5.8	98.3	109.6	37.3	37.5	99.5	98.7	38.2	38.3	99.7	99.2	11.1	11.5	96.5	100.9	106	97	109.3	110.4
F2	4.9	4.9	100.0	94.2	38.1	38.2	99.7	100.8	38.2	38.3	99.7	99.2	11.6	11.6	100.0	105.4	102	98	104.1	106.2
G2	4.8	5.4	88.9	92.3	39.2	38.1	102.9	103.7	39.3	38.2	102.9	102.1	10.7	10.1	105.9	97.3	96	96	100.0	100.0
I2	4.8	5.7	84.2	92.3	37.2	37.6	98.9	98.4	38.4	38.5	99.7	99.7	10.2	10.2	100.0	92.7	120	109	110.1	125.0
J2	7.0	7.1	98.6	134.6	37.5	37.8	99.2	99.2	37.8	38.1	99.2	98.2	10.9	11.4	95.6	99.1	87	89	97.8	90.6
K2	5.0	5.6	89.3	96.2	37.6	38.0	98.9	99.5	38.7	38.9	99.5	100.5	10.8	10.7	100.9	98.2	103	101	102.0	107.3
L2		7.1				38.0				38.3				11.1				92		
N2	4.9	4.9	100.0	94.2	37.8	37.9	99.7	100.0	39.0	39.1	99.7	101.3	11.2	11.1	100.9	101.8	99	96	103.1	103.1
O2		5.4				38.1				39.1				10.0				92		
R2		5.4				37.7				38.7				10.6				102		
S2	5.7			109.6	37.9			100.3	38.0			98.7					86			89.6
V2		5.0			38.3	38.2	100.3	101.3	38.4	38.3	100.3	99.7	12.2	11.5	106.1	110.9	114	98	116.3	118.8
X2	3.6	4.2	85.7	69.2	36.8	36.8	100.0	97.4	38.5	38.3	100.5	100.0	9.9	10.0	99.0	90.0	113	103	109.7	117.7
Y2		3.5				38.7				38.8				10.7				95		
A3		6.6				37.5				38.0				10.6				88		
D3		5.4				38.4				39.4				11.4				100		
FKI DATA																				
CUR.																				
AV.	5.1				38.0				38.6				11.1				99			
CUM.																				
AV.	5.2				37.8				38.5				11.0				96			
IND.																				
*D	98.1				100.5				100.2				100.9				103.1			

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

JUNE, 1975

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	5.6	4.0	140.0	107.7	38.1	37.1	102.7	100.8	39.0	38.6	101.0	101.3	11.5	11.7	98.3	104.5	98	94	104.2	102.1
B1		6.2				37.6				38.2				11.2				95		
C1	5.0	4.9	102.0	96.2	37.3	37.3	100.0	98.7	38.4	38.5	99.7	99.7	11.2	11.3	99.1	101.8	96	92	104.3	100.0
F1		5.0				38.0				39.2				11.7				96		
H1	3.9	3.4	114.7	75.0	37.3	37.2	100.3	98.7	38.9	38.9	100.0	101.0	10.8	10.4	103.8	98.2	102	99	103.0	106.2
I1		5.4				36.8				37.8				11.0				87		
L1	5.2	5.1	102.0	100.0	38.1	38.0	100.3	100.8	38.2	38.1	100.3	99.2	10.2	10.9	93.6	92.7	102	95	107.4	106.2
N1		5.1				38.7				39.8				11.2				98		
O1		5.4				36.7				37.6				10.0				92		
S1	5.9	5.8	101.7	113.5	37.9	37.7	100.5	100.3	38.7	38.5	100.5	100.5	11.0	10.8	101.8	100.0	98	101	97.0	102.1
U1	5.7	5.3	107.5	109.6	37.7	37.8	99.7	99.7	37.9	38.0	99.7	98.4	10.9	11.0	99.1	99.1	98	95	103.2	102.1
V1	5.9	5.8	101.7	113.5	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.5	11.5	11.7	98.3	104.5	93	96	96.9	96.9
W1		4.2				37.2				38.6				11.2				98		
X1	2.8	4.2	66.7	53.8	38.6	38.0	101.6	102.1	38.8	38.2	101.6	100.8	10.4	11.0	94.5	94.5	99	91	108.8	103.1
Y1	5.9	6.1	96.7	113.5	38.8	38.6	100.5	102.6	38.9	38.7	100.5	101.0	11.3	11.2	100.9	102.7	100	98	102.0	104.2
Z1	5.1	5.0	102.0	98.1	37.5	37.4	100.3	99.2	38.6	38.5	100.2	100.2	11.5	11.4	100.9	104.5	90	92	97.8	93.8
A2	5.8	5.6	103.6	111.5	38.0	38.0	100.0	100.5	38.1	38.1	100.0	99.0					95	94	101.1	99.0
B2	3.8	4.8	79.2	73.1	39.5	39.2	100.8	104.5	39.6	39.3	100.8	102.8	11.1	10.9	101.8	100.9	92	96	95.8	95.8
D2	4.5	4.9	91.8	86.5	38.1	37.7	101.1	100.8	39.5	38.9	101.5	102.6	11.5	11.2	102.7	104.5	96	95	101.0	100.0
E2	5.4	5.8	93.1	103.8	37.2	37.4	99.5	98.4	38.2	38.3	99.7	99.2	11.0	11.5	95.6	100.0	111	98	113.3	115.6
F2	4.9	4.9	100.0	94.2	38.0	38.2	99.5	100.5	38.1	38.3	99.5	99.0	11.2	11.6	96.6	101.8	106	98	108.2	110.4
G2	5.0	5.3	94.3	96.2	38.2	38.3	99.7	101.0	38.3	38.4	99.7	99.5	10.0	10.2	98.0	90.9	97	96	101.0	101.0
I2		5.6				37.6				38.5				10.3				110		
J2	6.4	7.1	90.1	123.1	37.3	37.8	98.7	98.7	37.9	38.1	99.5	98.4	11.1	11.4	97.4	100.9	91	89	102.2	94.8
K2	5.5	5.5	100.0	105.8	37.9	38.0	99.7	100.3	38.8	38.9	99.7	100.8	11.2	10.8	103.7	101.8	102	101	101.0	106.2
L2		7.1				38.0				38.3				11.1				92		
N2		4.9				37.9				39.1				11.1				97		
O2	5.0	5.3	94.3	96.2	37.9	38.1	99.5	100.3	39.0	39.2	99.5	101.3	10.4	10.0	104.0	94.5	92	92	100.0	95.8
R2		5.5				37.7				38.6				10.6				101		
S2		5.7				37.9				38.0								86		
V2	3.3	5.0	66.0	63.5	38.5	38.2	100.8	101.8	38.6	38.3	100.8	100.2	11.5	11.6	99.1	104.5	106	102	103.9	110.4
X2	3.8	4.2	90.5	73.1	37.3	36.8	101.4	98.7	38.9	38.3	101.6	101.0	10.0	10.1	99.0	90.9	102	104	98.1	106.2
Y2		3.4				38.8				38.8				10.6				96		
A3	6.0	6.6	90.9	115.4	38.1	37.5	101.6	100.8	38.9	38.0	102.4	101.0	10.8	10.6	101.9	98.2	90	89	101.1	93.8
D3		5.4				38.4				39.4				11.4				100		

FKI DATA

CUR.																				
AV.	5.0				38.0				38.6				11.0				98			
CUM.																				
AV.	5.2				37.8				38.5				11.0				96			
IND.																				
*D	96.2				100.5				100.2				100.0				102.1			

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
MAY, 1975

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			
	AV.	CUM.	FACT.	IND.	AV.	CUM.	FACT.	IND.	AV.	CUM.	FACT.	IND.	AV.	CUM.	FACT.	IND.	AV.	CUM.	FACT.	IND.
A1	5.3	4.2	126.2	101.9	41.6	40.7	102.2	100.0	42.7	42.3	100.9	100.5	12.6	12.7	99.2	104.1	103	103	100.0	99.0
B1	6.3	6.3	100.0	121.2	41.9	41.5	101.0	100.7	42.6	42.1	101.2	100.2	12.6	12.5	100.8	104.1	103	100	103.0	99.0
C1		4.6				41.1				42.5				12.5				102		
D1	4.5	4.4	102.3	86.5	42.3	42.4	99.8	101.7	42.7	42.8	99.8	100.5	12.1	12.1	100.0	100.0	102	100	102.0	98.1
E1	5.0	4.8	104.2	96.2	41.5	41.4	100.2	99.8	42.7	42.7	100.0	100.5	11.7	11.9	98.3	96.7	104	102	102.0	100.0
G1	4.9	4.4	111.4	94.2	41.1	41.0	100.2	98.8	42.4	42.5	99.8	99.8	12.1	12.9	93.8	100.0	108	102	105.9	103.8
H1	3.8	4.4	86.4	73.1	41.0	41.0	100.0	98.6	42.8	42.5	100.7	100.7	11.3	11.2	100.9	93.4	107	104	102.9	102.9
I1	5.0	5.2	96.2	96.2	41.3	41.3	100.0	99.3	42.5	42.4	100.2	100.0	11.8	12.1	97.5	97.5	99	96	103.1	95.2
K1	5.0	4.6	108.7	96.2	42.5	43.1	98.6	102.2	43.8	44.6	98.2	103.0	13.5	13.6	99.3	111.6	100	97	103.1	96.2
L1	5.3	5.2	101.9	101.9	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.0	11.5	12.1	95.0	95.0	104	102	102.0	100.0
M1	5.5	5.4	101.8	105.8	41.3	41.4	99.8	99.3	42.3	42.5	99.5	99.5	12.3	12.2	100.8	101.6	103	101	102.0	99.0
O1	5.6	5.6	100.0	107.7	41.6	41.4	100.5	100.0	42.6	42.4	100.5	100.2	11.6	11.5	100.9	95.9	100	100	100.0	96.2
Q1	4.0	3.8	105.3	76.9	41.2	40.4	102.0	99.0	42.9	42.2	101.6	100.9	11.7	12.2	95.9	96.7	122	107	114.0	117.3
S1	6.5	6.5	100.0	125.0	41.9	41.6	100.7	100.7	42.5	42.2	100.7	100.0	11.9	11.8	100.8	98.3	105	107	98.1	101.0
T1		3.5				40.8				42.7				13.4				112		
U1	5.6	5.9	94.9	107.7	41.9	41.6	100.7	100.7	42.1	41.8	100.7	99.0	12.6	12.3	102.4	104.1	102	104	98.1	98.1
V1	5.6	5.8	96.6	107.7	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.5	12.3	12.5	98.4	101.6	106	104	101.9	101.9
W1	2.9	3.6	80.6	55.8	40.7	40.7	100.0	97.8	42.9	42.6	100.7	100.9	11.9	12.0	99.2	98.3	110	106	103.8	105.8
X1	4.1	4.3	95.3	78.8	42.1	41.9	100.5	101.2	42.3	42.1	100.5	99.5	12.4	12.4	100.0	102.5	104	101	103.0	100.0
Y1	6.0	6.2	96.8	115.4	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.5	12.3	12.2	100.8	101.6	107	106	100.9	102.9
Z1	5.0	5.1	98.0	96.2	41.3	41.3	100.0	99.3	42.5	42.5	100.0	100.0	12.5	12.7	98.4	103.3	100	100	100.0	96.2
A2		5.6				42.0				42.1								102		
B2	4.3	5.5	78.2	82.7	42.6	42.2	100.9	102.4	42.7	42.3	100.9	100.5	11.9	11.9	100.0	98.3	105	105	100.0	101.0
C2	5.7	4.9	116.3	109.6	42.4	42.7	99.3	101.9	42.5	42.8	99.3	100.0	12.2	12.4	98.4	100.8	104	108	96.3	100.0
D2	5.7	5.4	105.6	109.6	42.3	41.8	101.2	101.7	43.3	42.8	101.2	101.9	12.7	12.6	100.8	105.0	108	108	100.0	103.8
E2	6.0	6.1	98.4	115.4	41.3	41.5	99.5	99.3	42.1	42.2	99.8	99.0	12.3	13.1	93.9	101.6	110	104	105.8	105.8
F2	5.3	5.1	103.9	101.9	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.3	12.5	12.8	97.6	103.3	107	106	102.9	102.9
G2	5.1	5.5	92.7	98.1	43.1	42.2	102.1	103.6	43.2	42.4	101.9	101.6	11.5	11.2	102.7	95.0	105	102	102.9	101.0
I2	5.6	6.5	86.2	107.7	41.5	41.8	99.3	99.8	42.5	42.4	100.2	100.0	11.0	11.4	96.5	90.9	124	114	108.8	119.2
J2	7.2	7.3	98.6	138.5	41.9	42.0	99.8	100.7	42.2	42.2	100.0	99.3	12.2	12.5	97.6	100.8	101	100	101.0	97.1
K2	5.6	5.6	100.0	107.7	42.0	41.9	100.2	101.0	43.0	42.9	100.2	101.2	12.2	11.8	103.4	100.8	108	107	100.9	103.8
L2		7.0				42.0				42.4				11.8				108		
M2	5.4	5.6	96.4	103.8	41.6	41.8	99.5	100.0	42.7	42.8	99.8	100.5	11.5	11.4	100.9	95.0	116	108	107.4	111.5
N2	4.9	5.0	98.0	94.2	41.7	41.8	99.8	100.2	43.0	43.0	100.0	101.2	12.1	11.8	102.5	100.0	106	104	101.9	101.9
O2	6.1	6.4	95.3	117.3	42.1	42.1	100.0	101.2	42.9	42.8	100.2	100.9	11.5	11.0	104.5	95.0	102	100	102.0	98.1
Q2	5.7	5.8	98.3	109.6	41.1	41.4	99.3	98.8	42.0	42.3	99.3	98.8	11.6	11.6	100.0	95.9	116	108	107.4	111.5
R2	5.6	6.0	93.3	107.7	41.4	41.4	100.0	99.5	42.4	42.3	100.2	99.8	11.7	11.8	99.2	96.7	108	106	101.9	103.8
T2	4.9	6.0	81.7	94.2	41.2	41.7	98.8	99.0	42.5	42.5	100.0	100.0	11.7	12.4	94.4	96.7	107	105	101.9	102.9
V2						43.3				43.4				12.5			103.3	123		118.3
W2	5.4	5.7	94.7	103.8	41.4	41.6	99.5	99.5	42.5	42.5	100.0	100.0	13.2	13.0	101.5	109.1	104	104	100.0	100.0
X2	3.7	4.3	86.0	71.2	40.6	40.7	99.8	97.6	42.4	42.2	100.5	99.8	11.1	11.1	100.0	91.7	115	110	104.5	110.6
Y2	4.2	4.2	100.0	80.8	42.2	42.3	99.8	101.4	42.3	42.4	99.8	99.5	11.3	11.6	97.4	93.4	103	103	100.0	99.0
Z2	2.4	3.0	80.0	46.2	40.8	40.7	100.2	98.1	43.2	42.8	100.9	101.6	12.3	12.2	100.8	101.6	108	106	101.9	103.8
A3	6.7	7.2	93.0	128.8	42.0	41.7	100.7	101.0	42.5	41.9	101.4	100.0	11.8	11.7	100.8	97.5	102	101	101.0	98.1
B3	3.8	3.6	105.6	73.1	42.1	42.0	100.2	101.2	42.3	42.2	100.2	99.5	11.2	11.7	95.7	92.6	103	103	100.0	99.0
C3	4.3	4.3	100.0	82.7	40.7	40.6	100.2	97.8	42.2	42.2	100.0	99.3	12.5	12.2	102.4	103.3	109	106	102.8	104.8
D3		5.6				42.4				43.4				12.1				108		
FKI DATA																				
CUR.																				
AV. 5.1																				
CUM.																				
AV. 5.2																				
IND.																				
*D 98.1																				
100.2																				
100.2																				
99.2																				
102.9																				

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
JUNE, 1975

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	4.3	132.6	109.6	41.8	40.8	102.4	100.5	42.8	42.4	100.9	100.7	12.6	12.7	99.2	104.1	104	103	101.0	100.0
B1	6.2	6.3	98.4	119.2	41.9	41.5	101.0	100.7	42.6	42.2	100.9	100.2	12.5	12.5	100.0	103.3	102	100	102.0	98.1
C1	4.4	4.6	95.6	84.6	41.0	41.1	99.8	98.6	42.5	42.5	100.0	100.0	12.5	12.5	100.0	103.3	104	102	102.0	100.0
D1	4.3	4.4	97.7	82.7	42.0	42.4	99.0	101.0	42.4	42.8	99.1	99.8	11.8	12.0	98.3	97.5	101	100	101.0	97.1
E1	5.1	4.8	106.2	98.1	41.5	41.4	100.2	99.8	42.7	42.7	100.0	100.5	11.9	11.8	100.8	98.3	102	102	100.0	98.1
G1		4.6				41.0				42.4				12.7				103		
H1	4.1	4.3	95.3	78.8	40.9	41.0	99.8	98.3	42.5	42.5	100.0	100.0	11.6	11.2	103.6	95.9	105	104	101.0	101.0
I1	4.5	5.2	86.5	86.5	41.4	41.3	100.2	99.5	42.9	42.4	101.2	100.9	12.0	12.1	99.2	99.2	98	97	101.0	94.2
K1	5.0	4.6	108.7	96.2	42.4	43.0	98.6	101.9	43.7	44.5	98.2	102.8	13.5	13.6	99.3	111.6	99	97	102.1	95.2
L1	5.6	5.2	107.7	107.7	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.0	11.5	12.0	95.8	95.0	105	102	102.9	101.0
N1	5.2	5.4	96.3	100.0	41.6	41.4	100.5	100.0	42.8	42.5	100.7	100.7	12.8	12.2	104.9	105.8	100	101	99.0	96.2
O1	5.4	5.6	96.4	103.8	41.3	41.5	99.5	99.3	42.4	42.4	100.0	99.8	11.3	11.6	97.4	93.4	97	100	97.0	93.3
Q1	4.9	3.8	128.9	94.2	40.9	40.5	101.0	98.3	42.2	42.2	100.0	99.3	11.9	12.1	98.3	98.3	117	109	107.3	112.5
S1	6.5	6.5	100.0	125.0	41.9	41.7	100.5	100.7	42.5	42.3	100.5	100.0	11.7	11.8	99.2	96.7	107	107	100.0	102.9
T1	5.3	3.5	151.4	101.9	41.1	40.8	100.7	98.8	42.2	42.7	98.8	99.3	13.5	13.4	100.7	111.6	111	112	99.1	106.7
U1	5.8	5.9	98.3	111.5	41.9	41.6	100.7	100.7	42.1	41.8	100.7	99.0	12.3	12.4	99.2	101.6	105	104	101.0	101.0
V1	5.7	5.8	98.3	109.6	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.5	12.3	12.5	98.4	101.6	106	104	101.9	101.9
W1	3.2	3.5	91.4	61.5	40.9	40.7	100.5	98.3	42.9	42.6	100.7	100.9	12.4	12.0	103.3	102.5	107	107	100.0	102.9
X1	4.1	4.3	95.3	78.8	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.3	12.3	12.4	99.2	101.6	105	102	102.9	101.0
Y1	6.3	6.2	101.6	121.2	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.5	12.5	12.2	102.4	103.3	107	106	100.9	102.9
Z1	5.0	5.1	98.0	96.2	41.3	41.3	100.0	99.3	42.5	42.5	100.0	100.0	12.5	12.7	98.4	103.3	99	100	99.0	95.2
A2	5.8	5.6	103.6	111.5	41.9	42.0	99.8	100.7	42.0	42.1	99.8	98.8					104	102	102.0	100.0
B2	4.1	5.4	75.9	78.8	42.3	42.2	100.2	101.7	42.4	42.3	100.2	99.8	12.2	11.9	102.5	100.8	103	105	98.1	99.0
C2		5.3				42.6				42.6				12.3				106		
D2	4.4	5.5	80.0	84.6	42.1	41.9	100.5	101.2	43.7	42.9	101.9	102.8	12.7	12.7	100.0	105.0	106	108	98.1	101.9
E2	6.0	6.0	100.0	115.4	41.3	41.4	99.8	99.3	42.1	42.2	99.8	99.0	12.5	13.0	96.2	103.3	112	105	106.7	107.7
F2	5.1	5.2	98.1	98.1	42.0	42.2	99.5	101.0	42.1	42.2	99.8	99.0	12.6	12.8	98.4	104.1	109	104	104.8	104.8
G2	5.3	5.4	98.1	101.9	42.3	42.3	100.0	101.7	42.4	42.4	100.0	99.8	11.3	11.3	100.0	93.4	104	102	102.0	100.0
I2	5.5	6.4	85.9	105.8	41.7	41.8	99.8	100.2	42.7	42.4	100.7	100.5	11.0	11.4	96.5	90.9	119	115	103.5	114.4
J2	6.8	7.3	93.2	130.8	41.7	42.0	99.3	100.2	42.2	42.2	100.0	99.3	12.2	12.5	97.6	100.8	101	100	101.0	97.1
K2	5.6	5.6	100.0	107.7	42.0	41.9	100.2	101.0	43.0	42.9	100.2	101.2	12.2	11.9	102.5	100.8	110	107	102.8	105.8
L2		7.0				42.0				42.4				11.8				108		
M2	5.8	5.5	105.4	111.5	41.7	41.7	100.0	100.2	42.6	42.8	99.5	100.2	11.7	11.4	102.6	96.7	110	109	100.9	105.8
N2	5.0	5.0	100.0	96.2	41.7	41.8	99.8	100.2	43.0	43.0	100.0	101.2	11.9	11.8	100.8	98.3	105	104	101.0	101.0
O2	6.2	6.3	98.4	119.2	42.0	42.1	99.8	101.0	42.7	42.8	99.8	100.5	11.4	11.0	103.6	94.2	102	100	102.0	98.1
Q2	5.0	5.7	87.7	96.2	41.6	41.4	100.5	100.0	42.8	42.3	101.2	100.7	11.3	11.7	96.6	93.4	113	108	104.6	108.6
R2	5.4	5.9	91.5	103.8	41.3	41.4	99.8	99.3	42.4	42.3	100.2	99.8	11.8	11.8	100.0	97.5	107	107	100.0	102.9
T2	5.6	5.9	94.9	107.7	41.8	41.6	100.5	100.5	42.8	42.5	100.7	100.7	12.1	12.3	98.4	100.0	107	105	101.9	102.9
V2		0.0				43.3				43.4				12.5				123		
W2	5.6	5.7	98.2	107.7	41.8	41.6	100.5	100.5	42.8	42.5	100.7	100.7	13.3	13.0	102.3	109.9	103	104	99.0	99.0
X2	3.8	4.3	88.4	73.1	40.9	40.7	100.5	98.3	42.7	42.2	101.2	100.5	11.1	11.1	100.0	91.7	111	110	100.9	106.7
Y2	4.2	4.2	100.0	80.8	42.4	42.3	100.2	101.9	42.5	42.4	100.2	100.0	11.6	11.6	100.0	95.9	103	103	100.0	99.0
Z2	4.1	3.0	136.7	78.8	41.4	40.7	101.7	99.5	43.1	42.9	100.5	101.4	12.1	12.2	99.2	100.0	106	106	100.0	101.9
A3	6.8	7.2	94.4	130.8	42.0	41.7	100.7	101.0	42.5	42.0	101.2	100.0	11.7	11.7	100.0	96.7	102	101	101.0	98.1
B3	3.8	3.7	102.7	73.1	42.5	42.0	101.2	102.2	42.7	42.2	101.2	100.5	11.7	11.6	100.9	96.7	112	103	108.7	107.7
C3	4.3	4.3	100.0	82.7	40.7	40.6	100.2	97.8	42.2	42.2	100.0	99.3	12.5	12.3	101.6	103.3	106	106	100.0	101.9
D3		5.6				42.5				43.5				12.2				108		

FKI DATA

CUR.																				
AV.	5.2				41.7			42.6					12.1				106			
CUM.																				
AV.	5.2				41.6			42.5					12.1				104			
IND.																				
*D	100.0				100.2			100.2					100.0				101.9			

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
MAY, 1975

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	5.2	5.3	98.1	86.7	67.9	67.9	100.0	99.0	69.8	69.8	100.0	100.7	20.1	20.4	98.5	102.6	140	138	101.4	100.0	
B1	7.1	7.2	98.6	118.3	69.2	68.6	100.9	100.9	69.8	69.0	101.2	100.7	21.2	20.8	101.9	108.2	135	136	99.3	96.4	
D1	5.0	5.2	96.2	83.3	68.9	68.5	100.6	100.4	69.5	69.1	100.6	100.3	19.1	19.4	98.4	97.4	142	141	100.7	101.4	
E1	4.9	5.2	94.2	81.7	68.0	68.1	99.8	99.1	70.1	70.1	100.0	101.2	18.7	18.7	100.0	95.4	138	137	100.7	98.6	
H1	6.7	6.3	106.3	111.7	68.9	68.4	100.7	100.4	69.7	69.5	100.3	100.6	19.6	19.6	100.0	100.0	139	138	100.7	99.3	
J1	6.8	6.7	101.5	113.3	68.4	68.4	100.0	99.7	69.2	69.2	100.0	99.8	19.5	19.1	102.1	99.5	144	142	101.4	102.8	
K1	5.6	5.7	98.2	93.3	70.2	70.0	100.3	102.3	71.9	71.6	100.4	103.8	23.6	22.0	107.3	120.4	130	128	101.6	92.8	
L1	6.6	5.6	117.8	110.0	69.0	68.9	100.1	100.6	69.2	69.1	100.1	99.8	17.7	19.0	93.2	90.3	158	141	112.0	112.8	
N1	6.0	6.2	96.8	100.0	68.1	68.4	99.6	99.3	69.5	69.5	100.0	100.3	20.3	20.0	101.5	103.6	133	132	100.8	95.0	
O1	6.6	6.9	95.6	110.0	69.1	68.7	100.6	100.7	70.0	69.4	100.9	101.0	20.6	20.4	101.0	105.1	136	132	103.0	97.1	
T1	5.6	4.6	121.7	93.3	68.8	67.6	101.8	100.3	70.5	69.9	100.8	101.7	19.9	18.4	108.2	101.5	149	144	103.5	106.4	
U1	5.9	6.1	96.7	98.3	68.8	68.3	100.7	100.3	69.1	68.6	100.7	99.7	20.3	19.8	102.5	103.6	138	142	97.2	98.6	
V1		6.2				69.4				69.6				20.5				146			
W1	3.9	4.0	97.5	65.0	67.7	67.0	101.0	98.7	70.5	69.7	101.1	101.7	19.4	19.9	97.5	99.0	148	146	101.4	105.7	
Y1	6.7	6.7	100.0	111.7	69.7	68.8	101.3	101.6	69.9	69.0	101.3	100.9	20.5	19.6	104.6	104.6	152	146	104.1	108.6	
A2		5.7				68.8				69.0								137			
B2	6.4	5.4	118.5	106.7	69.9	70.3	99.4	101.9	70.1	70.5	99.4	101.2	19.3	19.7	98.0	98.5	137	139	98.6	97.8	
C2	6.0	5.8	103.4	100.0	69.6	69.6	100.0	101.4	69.8	69.8	100.0	100.7	20.0	20.4	98.0	102.0	142	144	98.6	101.4	
E2	6.9	6.9	100.0	115.0	68.8	68.8	100.0	100.3	69.5	69.5	100.0	100.3	21.7	21.0	103.3	110.7	142	138	102.9	101.4	
F2	5.7	5.6	101.8	95.0	69.2	69.3	99.8	100.9	69.4	69.5	99.8	100.1	20.0	20.3	98.5	102.0	141	139	101.4	100.7	
G2	5.2	5.8	89.6	86.7	70.9	69.3	102.3	103.4	71.1	69.5	102.3	102.6	19.2	19.1	100.5	98.0	146	140	104.3	104.3	
I2	6.7	7.2	93.0	111.7	68.9	69.2	99.6	100.4	69.7	69.6	100.1	100.6	18.3	18.2	100.5	93.4	159	150	106.0	113.6	
J2	7.5	7.6	98.7	125.0	69.3	69.4	99.8	101.0	69.5	69.5	100.0	100.3	20.6	20.8	99.0	105.1	141	140	100.7	100.7	
K2	5.8		96.7		69.5		101.3		71.0		102.4		21.9		111.7		141			100.7	
M2	6.0	5.7	105.3	100.0	68.8	68.6	100.3	100.3	70.2	70.2	100.0	101.3	18.5	19.4	95.4	94.4	161	140	115.0	115.0	
N2	7.2	7.0	102.8	120.0	68.8	68.4	100.6	100.3	69.3	69.0	100.4	100.0	19.3	19.3	100.0	98.5	149	144	103.5	106.4	
O2	7.1	7.6	93.4	118.3	68.6	68.7	99.8	100.0	69.1	68.9	100.3	99.7	18.6	18.3	101.6	94.9	138	136	101.5	98.6	
Q2		6.7				69.2				70.0				19.4				137			
R2		6.8				68.6				69.4				19.4				148			
T2	6.4	6.7	95.5	106.7	68.6	68.8	99.7	100.0	69.6	69.6	100.0	100.4	20.2	19.7	102.5	103.1	141	141	100.0	100.7	
X2		4.3				66.9				69.5				17.6				168			
Y2	5.0	4.9	102.0	83.3	69.5	69.3	100.3	101.3	69.7	69.5	100.3	100.6	18.6	18.2	102.2	94.9	140	139	100.7	100.0	
Z2	3.9	3.4	114.7	65.0	67.9	66.8	101.6	99.0	70.8	69.9	101.3	102.2	20.6	20.0	103.0	105.1	146	145	100.7	104.3	
A3	8.2	8.7	94.2	136.7	69.0	68.7	100.4	100.6	68.7	68.0	101.0	99.1	19.8	19.6	101.0	101.0	140	137	102.2	100.0	
B3	4.7	4.5	104.4	78.3	69.1	69.0	100.1	100.7	69.4	69.4	100.0	100.1	19.2	18.4	104.3	98.0	143	138	103.6	102.1	
C3	4.4	4.7	93.6	73.3	66.8	67.0	99.7	97.4	69.3	69.2	100.1	100.0	19.9	19.7	101.0	101.5	148	138	107.2	105.7	
D3	5.9	5.9	100.0	98.3	70.7	68.4	103.4	103.1	72.2	69.8	103.4	104.2	21.1	20.5	102.9	107.6	140	138	101.4	100.0	
FKI DATA																					
CUR.																					
AV.		6.0				69.0				69.9				19.9				143			
CUM.																					
AV.		6.0				68.6				69.3				19.6				140			
IND.																					
*D		100.0				100.6				100.9				101.5				102.1			

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
JUNE, 1975

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	6.3	5.3	118.9	105.0	68.5	68.0	100.7	99.8	69.6	69.8	99.7	100.3	20.5	20.4	100.5	104.6	143	138	103.6	101.4
B1	7.0	7.2	97.2	116.7	69.2	68.6	100.9	100.9	69.8	69.1	101.0	100.6	21.1	20.9	101.0	107.6	138	136	101.5	97.9
D1	5.0	5.2	96.2	83.3	68.1	68.5	99.4	99.3	68.7	69.1	99.4	99.0	18.4	19.4	94.8	93.9	144	141	102.1	102.1
E1	5.0	5.1	98.0	83.3	68.0	68.1	99.8	99.1	70.0	70.1	99.8	100.9	18.8	18.7	100.5	95.9	137	137	100.0	97.2
H1	6.6	6.3	104.8	110.0	68.6	68.4	100.3	100.0	69.5	69.5	100.0	100.1	19.8	19.6	101.0	101.0	138	138	100.0	97.9
J1	6.6	6.7	98.5	110.0	68.5	68.4	100.1	99.8	69.4	69.2	100.3	100.0	19.3	19.1	101.0	98.5	143	142	100.7	101.4
K1		5.6				70.3				71.9				22.8				128		
L1		5.7				68.9				69.1				18.9				143		
N1	6.2	6.2	100.0	103.3	68.9	68.4	100.7	100.4	70.1	69.6	100.7	101.0	21.1	20.0	105.5	107.6	132	132	100.0	93.6
O1	6.7	6.9	97.1	111.7	68.3	68.7	99.4	99.6	69.1	69.4	99.6	99.6	20.5	20.5	100.0	104.6	130	133	97.7	92.2
T1	5.3	4.7	112.8	88.3	69.0	67.7	101.9	100.6	70.9	70.0	101.3	102.2	19.6	18.5	105.9	100.0	149	144	103.5	105.7
U1	5.7	6.1	93.4	95.0	68.6	68.4	100.3	100.0	68.9	68.6	100.4	99.3	19.5	19.8	98.5	99.5	140	142	98.6	99.3
V1		6.2				69.4				69.6				20.5				146		
W1	3.0	4.0	75.0	50.0	67.3	67.1	100.3	98.1	70.8	69.8	101.4	102.0	19.8	19.8	100.0	101.0	149	146	102.0	105.7
Y1	6.9	6.7	103.0	115.0	69.4	68.9	100.7	101.2	69.6	69.1	100.7	100.3	20.1	19.7	102.0	102.6	150	146	102.7	106.4
A2	6.4	5.7	112.3	106.7	69.3	68.8	100.7	101.0	69.5	69.0	100.7	100.1					140	137	102.2	99.3
B2	5.7	5.6	101.8	95.0	70.0	70.2	99.7	102.0	70.2	70.4	99.7	101.2	19.5	19.6	99.5	99.5	139	139	100.0	98.6
C2	6.0	5.7	105.3	100.0	69.6	69.6	100.0	101.4	69.8	69.8	100.0	100.6	20.2	20.4	99.0	103.1	142	144	98.6	100.7
E2	6.5	6.9	94.2	108.3	68.4	68.8	99.4	99.7	69.4	69.5	99.8	100.0	21.1	21.0	100.5	107.6	146	139	105.0	103.5
F2	5.6	5.7	98.2	93.3	69.1	69.3	99.7	100.7	69.3	69.5	99.7	99.8	20.4	20.2	101.0	104.1	144	139	103.6	102.1
G2	5.9	5.7	103.5	98.3	69.1	69.5	99.4	100.7	69.3	69.7	99.4	99.8	19.3	19.1	101.0	98.5	138	141	97.9	97.9
I2	6.1	7.1	85.9	101.7	68.6	69.2	99.1	100.0	69.8	69.7	100.1	100.6	17.6	18.3	96.2	89.8	148	151	98.0	105.0
J2	7.5	7.5	100.0	125.0	69.4	69.4	100.0	101.2	69.6	69.6	100.0	100.3	20.2	20.8	97.1	103.1	138	140	98.6	97.9
K2	5.7	5.8	98.3	95.0	69.2	69.5	99.6	100.9	70.8	71.0	99.7	102.0	21.0	21.9	95.9	107.1	142	141	100.7	100.7
M2	5.7	5.7	100.0	95.0	68.8	68.6	100.3	100.3	70.4	70.2	100.3	101.4	18.8	19.3	97.4	95.9	151	142	106.3	107.1
N2	7.1	7.0	101.4	118.3	68.9	68.5	100.6	100.4	69.5	69.1	100.6	100.1	19.9	19.3	103.1	101.5	149	145	102.8	105.7
O2	6.8	7.5	90.7	113.3	68.4	68.7	99.6	99.7	69.2	68.9	100.4	99.7	18.5	18.3	101.1	94.4	139	136	102.2	98.6
Q2		6.7				69.2				70.1				19.5				138		
R2	6.9	6.8	101.5	115.0	68.6	68.6	100.0	100.0	69.3	69.4	99.8	99.8	19.0	19.4	97.9	96.9	156	149	104.7	110.6
T2	6.6	6.7	98.5	110.0	68.7	68.8	99.8	100.1	69.6	69.6	100.0	100.3	19.9	19.8	100.5	101.5	139	141	98.6	98.6
X2		4.3				66.9				69.5				17.6				168		
Y2	4.9	4.8	102.1	81.7	69.6	69.3	100.4	101.4	69.8	69.5	100.4	100.6	19.5	18.3	106.6	99.5	143	140	102.1	101.4
Z2	3.7	3.4	108.8	61.7	67.5	66.9	100.9	98.4	70.5	70.0	100.7	101.6	20.9	20.0	104.5	106.6	142	145	97.9	100.7
A3	7.9	8.7	90.8	131.7	69.1	68.8	100.4	100.7	69.0	68.1	101.3	99.4	19.2	19.6	98.0	98.0	141	138	102.2	100.0
B3	4.4	4.5	97.8	73.3	69.4	69.1	100.4	101.2	69.7	69.4	100.4	100.4	18.3	18.4	99.4	93.4	143	139	102.9	101.4
C3	4.2	4.6	91.3	70.0	66.6	66.9	99.6	97.1	69.2	69.2	100.0	99.7	20.5	19.7	104.1	104.6	139	140	99.3	98.6
D3		5.9				68.6				70.0				20.6				138		
FKI DATA																				
CUR.																				
AV. 5.9																				
CUM.																				
AV. 6.0																				
IND.																				
*D 98.3																				
100.1																				
100.4																				
100.5																				
100.7																				

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
MAY, 1975

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	5.5	103.6	91.9	89.1	88.5	100.7	99.7	91.1	90.7	100.4	100.6	25.7	26.4	97.3	101.6	167	164	101.8	99.4
H1	6.7	6.4	104.7	108.1	89.2	89.2	100.0	99.8	90.3	90.6	99.7	99.7	25.5	25.1	101.6	100.8	171	162	105.6	101.8
J1	7.8	7.9	98.7	125.8	90.4	90.5	99.9	101.1	90.4	90.4	100.0	99.8	25.2	24.8	101.6	99.6	170	167	101.8	101.2
L1	6.2	5.8	106.9	100.0	89.8	89.9	99.9	100.4	90.1	90.2	99.9	99.4	23.4	24.8	94.4	92.5	178	168	106.0	106.0
T1	5.3	5.4	98.1	85.5	89.6	89.2	100.4	100.2	92.0	91.5	100.5	101.5	26.0	25.0	104.0	102.8	173	166	104.2	103.0
W1		3.8				87.8				91.6				26.1				178		
Y1	6.8	6.6	103.0	109.7	90.3	90.2	100.1	101.0	90.6	90.5	100.1	100.0	26.2	26.6	98.5	103.6	196	176	111.4	116.7
C2	6.2	5.9	105.1	100.0	90.7	90.7	100.0	101.4	91.0	91.0	100.0	100.4	26.4	27.1	97.4	104.3	169	170	99.4	100.6
I2	6.5	7.4	87.8	104.8	89.6	90.4	99.1	100.2	90.9	90.8	100.1	100.3	24.4	23.8	102.5	96.4	170	177	96.0	101.2
M2	6.1	6.1	100.0	98.4	89.6	89.6	100.0	100.2	91.2	91.2	100.0	100.7	24.9	25.4	98.0	98.4	179	158	113.3	106.5
N2	7.5	7.2	104.2	121.0	89.1	89.4	99.7	99.7	89.4	89.9	99.4	98.7	25.3	25.6	98.8	100.0	179	170	105.3	106.5
O2		8.2				89.5				89.2				24.2				163		
R2		6.8				89.4				90.3				25.1				177		
T2	7.2	7.2	100.0	116.1	90.5	90.4	100.1	101.2	91.1	91.0	100.1	100.6	26.5	26.2	101.1	104.7	169	170	99.4	100.6
Y2	4.8	4.7	102.1	77.4	90.3	90.4	99.9	101.0	90.6	90.7	99.9	100.0	24.9	24.3	102.5	98.4	165	161	102.5	98.2
Z2		3.5				87.3				91.4				25.8				175		
C3		4.7				86.9				89.9				25.7				160		
FKI DATA																				
CUR.																				
AV. 6.4																				
CUM.																				
AV. 6.2																				
IND.																				
*D 103.2																				
100.4																				
100.1																				
100.4																				
103.6																				

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
JUNE, 1975

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	5.6	98.2	88.7	89.2	88.7	100.6	99.7	91.4	90.8	100.7	100.9	26.7	26.3	101.5	105.5	169	165	102.4	100.6
M1	6.6	6.5	101.5	106.4	88.9	89.2	99.7	99.3	90.1	90.5	99.6	99.4	26.3	25.2	104.4	104.0	164	163	100.6	97.6
J1	7.8	7.8	100.0	125.8	90.5	90.5	100.0	101.1	90.5	90.5	100.0	99.9	25.5	24.8	102.8	100.8	167	167	100.0	99.4
L1		5.8				89.9				90.2				24.6				169		
T1	6.3	5.4	116.7	101.6	90.0	89.2	100.9	100.6	91.4	91.6	99.8	100.9	26.1	25.1	104.0	103.2	167	166	100.6	99.4
M1		3.8				87.8				91.6				26.1				178		
Y1	6.6	6.6	100.0	106.4	90.6	90.2	100.4	101.2	90.9	90.5	100.4	100.3	26.9	26.5	101.5	106.3	180	180	100.0	107.1
C2	6.1	5.9	103.4	98.4	90.7	90.7	100.0	101.3	91.0	91.0	100.0	100.4	26.6	27.0	98.5	105.1	169	169	100.0	100.6
I2	6.5	7.3	89.0	104.8	89.8	90.3	99.4	100.3	91.1	90.8	100.3	100.6	22.5	23.8	94.5	88.9	182	176	103.4	108.3
M2	5.9	6.1	96.7	95.2	89.7	89.5	100.2	100.2	91.6	91.2	100.4	101.1	24.5	25.3	96.8	96.8	166	161	103.1	98.8
N2	7.5	7.3	102.7	121.0	90.0	89.4	100.7	100.6	90.3	89.9	100.4	99.7	24.7	25.4	97.2	97.6	184	171	107.6	109.5
O2		8.2				89.4				89.0				24.1				164		
R2	6.5	6.7	97.0	104.8	89.5	89.3	100.2	100.0	90.8	90.3	100.6	100.2	24.5	25.0	98.0	96.8	180	177	101.7	107.1
T2	7.4	7.3	101.4	119.4	90.8	90.5	100.3	101.4	91.2	91.0	100.2	100.7	26.7	26.2	101.9	105.5	162	170	95.3	96.4
Y2	4.9	4.6	106.5	79.0	90.4	90.5	99.9	101.0	90.7	90.8	99.9	100.1	26.0	24.3	107.0	102.8	156	162	96.3	92.8
Z2		3.4				87.3				91.4				25.7				175		
C3	4.4	4.6	95.6	71.0	87.0	86.8	100.2	97.2	90.2	89.8	100.4	99.6	28.0	25.7	108.9	110.7	155	160	96.9	92.3
FKI DATA																				
CUR.																				
AV. 6.3																				
CUM.																				
AV. 6.2																				
IND.																				
*D 101.6																				
100.3																				
100.3																				
102.0																				
100.6																				

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
MAY AND JUNE, 1975

Code	Conditioning Environment				Testing Environment
	Are Quality Samples Conditioned Before Testing?	Procedure			Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
		Time	Temp., °F	RH, %	
A1	No	--	--	--	No
B1	No	--	--	--	No
C1	No	--	--	--	No
D1	Yes	--	73	50	Yes: 73°F; 50 ± 2% RH
E1	No	--	--	--	No
F1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
G1	No	--	--	--	No
H1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 5% RH
I1	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
J1	No	--	--	--	No
K1	No	--	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
L1	No	--	--	--	No
M1	No data submitted for May and June				
N1	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
O1	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
P1	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Q1	No	--	--	--	No
R1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
S1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 3% RH
T1	No	--	--	--	No
U1	Yes	15 Min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
V1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
W1	No	--	--	--	No
X1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Y1	No	--	--	--	No
Z1	No	--	--	--	Yes: 73 ± 3°F; 50% RH
A2	No	--	--	--	No
B2	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
C2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
D2	No	--	--	--	No
E2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
F2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
G2	No	--	--	--	Yes: 75 ± 5°F; 50 ± 5% RH
H2	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
I2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J2	No	--	--	--	No
K2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
L2	No	--	--	--	Yes: 72 ± 2°F; 55 ± 5% RH
M2	No	--	--	--	No
N2	No	--	--	--	No
O2	No	--	--	--	No
P2	Yes	20 Min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
Q2	No	--	--	--	No
R2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
S2	No	--	--	--	No
T2	No	--	--	--	No
U2	Yes	20 Min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
V2	Yes	15 Min	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
W2	No	--	--	--	No
X2	No	--	--	--	No
Y2	No	--	--	--	No
Z2	No	--	--	--	No
A3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 3% RH
B3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
C3	No	--	--	--	No
D3	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH

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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

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

^aCMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

^bCFKIA = current FKI average for a specific physical property of a specific linerboard grade weight obtained during a given month.