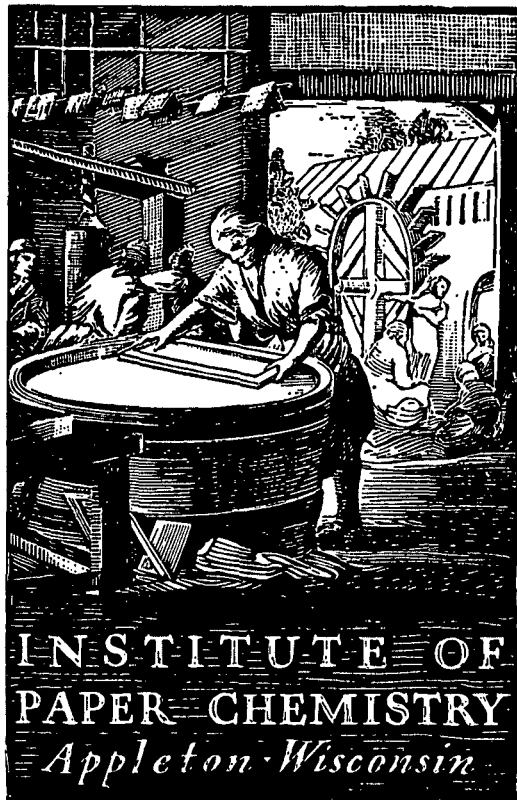


BASE-LINE
MARCH-APRIL, 1975



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

Project 2694-1

Report Fifty

A Progress Report

to

FOURDRINIER KRAFT BOARD INSTITUTE, INC.

June 23, 1975

BASE-LINE
MARCH-APRIL, 1975

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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(MILL LINERBOARD DATA FOR MARCH AND APRIL, 1975)

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

June 23, 1975

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR MARCH AND APRIL, 1975)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(JANUARY-APRIL, 1975)

Linerboard Grade Wt.		Moisture Content			
		January	February	March	April
26 Lb	Max. ^a	6.0	5.8	5.9	6.0
	Min. ^a	3.4	3.0	3.4	3.2
	Av. ^b	4.7 (15)	4.5 (14)	4.5 (14)	4.8 (15)
33 Lb	Max. ^a	5.7	6.0	6.2	7.0
	Min. ^a	1.8	1.7	1.6	1.9
	Av. ^b	4.5 (23)	4.8 (24)	4.7 (20)	4.7 (22)
38 Lb	Max. ^a	6.7	7.1	7.2	7.2
	Min. ^a	3.0	2.8	3.8	3.4
	Av. ^b	5.2 (18)	5.3 (23)	5.2 (18)	5.1 (24)
42 Lb	Max. ^a	7.3	7.2	7.3	7.4
	Min. ^a	2.5	3.0	3.0	2.4
	Av. ^b	5.1 (40)	5.3 (39)	5.2 (40)	5.1 (42)
69 Lb	Max. ^a	8.9	8.9	8.6	8.7
	Min. ^a	2.5	2.8	3.9	2.2
	Av. ^b	5.9 (31)	5.9 (30)	6.0 (32)	5.7 (33)
90 Lb	Max. ^a	7.9	7.9	7.8	7.6
	Min. ^a	2.9	2.6	1.8	4.5
	Av. ^b	6.0 (13)	5.6 (13)	5.8 (15)	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
(JANUARY-APRIL, 1975)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft ²			
		January	February	March	April
26 Lb	Max. ^a	27.3	27.8	29.0	27.7
	Min. ^a	26.0	26.1	26.1	25.9
	Av. ^b	26.6 (15)	26.8 (14)	26.9 (14)	26.6 (15)
33 Lb	Max. ^a	35.0	35.2	34.4	34.5
	Min. ^a	32.8	32.7	33.2	32.8
	Av. ^b	33.6 (23)	33.5 (24)	33.6 (20)	33.4 (22)
38 Lb	Max. ^a	39.3	39.7	39.4	39.7
	Min. ^a	38.1	37.8	38.1	37.9
	Av. ^b	38.6 (18)	38.7 (23)	38.6 (18)	38.6 (24)
42 Lb	Max. ^a	44.0	44.1	43.3	43.5
	Min. ^a	42.0	41.9	41.9	41.8
	Av. ^b	42.6 (40)	42.5 (39)	42.5 (40)	42.5 (42)
69 Lb	Max. ^a	70.5	71.9	72.5	71.6
	Min. ^a	67.8	68.0	68.4	68.3
	Av. ^b	69.4 (31)	69.6 (30)	69.7 (32)	69.7 (33)
90 Lb	Max. ^a	92.0	92.5	92.1	92.4
	Min. ^a	88.5	88.3	89.3	89.8
	Av. ^b	90.5 (13)	90.9 (13)	91.1 (15)	90.8 (13)

^aCurrent machine average.

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

PART III: SUMMARY OF CALIPER DATA
(JANUARY-APRIL, 1975)

Linerboard Grade Wt.		Caliper, pt.			
		January	February	March	April
26 Lb	Max. ^a	8.7	8.9	9.1	9.3
	Min. ^a	7.3	6.8	7.3	7.0
	Av. ^b	7.9 (14)	7.9 (14)	8.1 (14)	8.0 (15)
33 Lb	Max. ^a	10.7	10.8	11.2	11.2
	Min. ^a	8.7	8.8	8.8	9.2
	Av. ^b	9.9 (22)	9.8 (23)	9.9 (20)	10.0 (22)
38 Lb	Max. ^a	11.9	12.0	11.7	12.1
	Min. ^a	9.9	9.9	9.7	9.5
	Av. ^b	11.0 (17)	10.9 (22)	10.9 (17)	11.1 (23)
42 Lb	Max. ^a	13.5	13.6	13.2	13.6
	Min. ^a	10.8	10.9	10.7	10.8
	Av. ^b	12.1 (39)	12.0 (38)	12.0 (39)	12.0 (41)
69 Lb	Max. ^a	20.8	21.0	21.2	21.6
	Min. ^a	17.3	17.1	17.3	18.0
	Av. ^b	19.4 (30)	19.4 (30)	19.4 (31)	19.6 (32)
90 Lb	Max. ^a	26.0	26.8	26.8	27.6
	Min. ^a	22.8	23.8	22.8	23.0
	Av. ^b	25.1 (13)	25.2 (13)	25.2 (15)	25.6 (12)

^aCurrent machine average.

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

PART IV: SUMMARY OF BURSTING STRENGTH DATA
(JANUARY-APRIL, 1975)

Linerboard Grade Wt.		Bursting Strength, psig			
		January	February	March	April
26 Lb	Max. ^a	82	93	82	81
	Min. ^a	64	64	61	64
	Av. ^b	71 (15)	73 (14)	73 (14)	70 (15)
33 Lb	Max. ^a	97	97	108	105
	Min. ^a	77	76	73	77
	Av. ^b	85 (23)	84 (24)	87 (20)	86 (21)
38 Lb	Max. ^a	108	111	110	112
	Min. ^a	88	90	91	89
	Av. ^b	98 (18)	97 (23)	98 (18)	98 (24)
42 Lb	Max. ^a	112	118	124	121
	Min. ^a	98	96	98	98
	Av. ^b	104 (40)	104 (39)	106 (40)	105 (42)
69 Lb	Max. ^a	171	162	165	181
	Min. ^a	131	132	133	131
	Av. ^b	141 (31)	141 (30)	143 (32)	143 (33)
90 Lb	Max. ^a	178	176	198	182
	Min. ^a	156	158	161	162
	Av. ^b	166 (13)	168 (13)	172 (15)	172 (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
MARCH, 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		3.4				25.2				26.4				7.8			80			
G1	4.2	5.0	84.0	95.4	26.0	26.0	100.0	100.8	27.0	26.8	100.7	101.9	9.1	8.7	104.6	115.2	74	69	107.2	104.2
H1		2.8				25.2				26.5				8.1			73			
I1		0.7				24.6				26.5				7.8			64			
K1	5.1	5.6	91.1	115.9	25.6	26.4	97.0	99.2	26.3	27.0	97.4	99.2	7.7	7.6	101.3	97.5	76	74	102.7	107.0
N1		5.7				25.6				26.2				7.6			67			
O1	3.5	3.9	89.7	79.5	25.5	25.1	101.6	98.8	26.7	26.2	101.9	100.8	7.7	7.5	102.7	97.5	75	76	98.7	105.6
P1	5.7	5.7	100.0	129.5	26.0	26.0	100.0	100.8	26.6	26.6	100.0	100.4	8.4	8.5	98.8	106.3	78	76	102.6	109.8
R1		6.7				26.0				26.3				7.4			75			
S1	3.8	3.0	126.7	86.4	26.5	26.5	100.0	102.7	26.6	26.6	100.0	100.4	7.8	8.2	95.1	98.7	70	67	104.5	98.6
W1		3.3				25.2				26.4				7.8			72			
X1		5.2				26.4				26.5				7.2			74			
C2	5.9			134.1	26.9			104.3	27.0			101.9	8.0			101.3	74			104.2
D2		4.1				26.7				27.8				8.3			62			
G2		5.9				25.9				26.3				7.2			77			
H2	3.7	4.0	92.5	84.1	26.2	25.8	101.6	101.6	27.4	26.9	101.8	103.4	8.0	7.9	101.3	101.3	73	70	104.3	102.8
J2		4.4				27.0				27.2				8.0			72			
K2		5.9				26.1				26.2							68			
L2	4.5	4.9	91.8	102.3	26.3	25.5	103.1	101.9	27.2	26.3	103.4	102.6	8.2	7.8	105.1	103.8	61	65	93.8	85.9
M2	3.4	3.4	100.0	77.3	28.9	27.4	105.5	112.0	29.0	27.5	105.4	109.4	8.3	7.7	107.8	105.1	72	71	101.4	101.4
O2	5.1	4.4	115.9	115.9	26.2	26.2	100.0	101.6	27.0	27.1	99.6	101.9	8.5	8.5	100.0	107.6	78	76	102.6	109.8
R2	4.6	4.4	104.5	104.5	25.5	25.5	100.0	98.8	26.4	26.4	100.0	99.6	7.6	7.6	100.0	96.2	66	66	100.0	93.0
S2	5.0	5.0	100.0	113.6	26.0	25.8	100.8	100.8	26.1	25.9	100.8	98.5	7.3	8.1	90.1	92.4	70	70	100.0	98.6
U2		4.9				25.4				26.2				8.0			69			
V2	3.7	3.9	94.9	84.1	26.3	26.4	99.6	101.9	26.4	26.5	99.6	99.6	7.9	8.1	97.5	100.0	82	76	107.9	115.5
Y2		4.9				25.6				26.4				7.7			67			
Z2		1.8				24.8				26.4				7.4			81			
A3	4.6	5.1	90.2	104.5	26.9	26.3	102.3	104.3	27.0	26.4	102.3	101.9	8.7	8.5	102.4	110.1	78	71	109.8	109.8
C3		3.8				26.0				26.4				7.4			64			
FKI DATA																				
CUR.																				
AV. 4.5																				
CUM.																				
AV. 4.4																				
IND.																				
*D 102.3																				
101.9																				
101.5																				
102.5																				
102.8																				

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, 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		3.6				25.3				26.5				7.9				80		
G1		4.9				26.0				26.9				8.8				70		
H1	4.4	2.8	157.1	100.0	25.8	25.2	102.4	100.0	26.8	26.5	101.1	100.8	8.5	8.1	104.9	107.6	72	73	98.6	101.4
I1		0.7				24.6				26.5				7.8				64		
K1	5.3	5.5	96.4	120.4	25.7	26.2	98.1	99.6	26.4	26.8	98.5	99.2	7.3	7.6	96.0	92.4	74	74	100.0	104.2
N1	5.7	5.7	100.0	129.5	25.3	25.6	98.8	98.1	25.9	26.2	98.8	97.4	7.4	7.6	97.4	93.7	68	66	103.0	95.8
O1	4.0	3.8	105.3	90.9	25.3	25.2	100.4	98.1	26.3	26.2	100.4	98.9	7.8	7.5	104.0	98.7	81	76	106.6	114.1
P1	6.0	5.7	105.3	136.4	26.2	26.0	100.8	101.6	26.7	26.6	100.4	100.4	9.3	8.5	109.4	117.7	73	76	96.0	102.8
R1		6.8				26.1				26.4				7.4				70		
S1	3.2	3.0	106.7	72.7	26.8	26.5	101.1	103.9	26.9	26.6	101.1	101.1	7.7	8.1	95.1	97.5	69	67	103.0	97.2
W1		3.3				25.2				26.4				7.8				72		
X1		5.2				26.4				26.5				7.2				74		
C2		5.9				26.9				27.0				8.0				74		
D2		4.1				26.7				27.8				8.3				62		
G2	5.4	5.9	91.5	122.7	26.2	25.9	101.2	101.6	26.2	26.3	99.6	98.5	7.0	7.2	97.2	88.6	80	77	103.9	112.7
H2	4.7	3.9	120.5	106.8	26.5	25.8	102.7	102.7	27.4	26.9	101.8	103.0	8.1	7.9	102.5	102.5	72	70	102.8	101.4
J2		4.5				27.2				27.3				8.0				71		
K2		5.9				26.1				26.2								68		
L2	4.3	4.8	89.6	97.7	26.0	25.6	101.6	100.8	27.0	26.4	102.3	101.5	7.8	7.8	100.0	98.7	64	65	98.5	90.1
M2	5.0	3.4	147.0	113.6	27.6	27.6	100.0	107.0	27.7	27.7	100.0	104.1	8.2	7.8	105.1	103.8	65	71	91.5	91.5
O2	4.5	4.7	95.7	102.3	26.1	26.2	99.6	101.2	27.0	27.1	99.6	101.5	9.0	8.5	105.9	113.9	67	76	88.2	94.4
R2	5.1	4.4	115.9	115.9	25.6	25.5	100.4	99.2	26.3	26.4	99.6	98.9	7.5	7.6	98.7	94.9	65	66	98.5	91.5
S2	4.2	5.0	84.0	95.4	25.9	25.8	100.4	100.4	26.0	25.9	100.4	97.7	7.7	8.0	96.2	97.5	67	70	95.7	94.4
U2		4.9				25.4				26.2				8.1				69		
V2		3.9				26.4				26.5				8.0				77		
Y2	4.9	4.9	100.0	111.4	25.6	25.6	100.0	99.2	26.4	26.3	100.4	99.2	8.0	7.8	102.6	101.3	68	68	100.0	95.8
Z2		1.8				24.8				26.4				7.4				81		
A3	5.3	5.0	106.0	120.4	26.1	26.4	98.9	101.2	26.2	26.5	98.9	98.5	8.1	8.5	95.3	102.5	70	72	97.2	98.6
C3		3.8				26.0				26.4				7.4				64		
FKI DATA																				
CUR.																				
AV. 4.8																				
CUM.																				
AV. 4.4																				
IND.																				
*D 109.1																				
100.8																				
100.0																				
101.3																				
98.6																				

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, 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	4.7	5.0	94.0	102.2	32.9	32.4	101.5	100.9	34.0	33.4	101.8	101.5	9.9	9.7	102.1	100.0	108	94	114.9	127.0
C1		5.3				32.9				33.8				9.5				80		
E1		5.7				33.1				33.2								84		
F1		4.6				32.4				33.6				9.2				83		
G1	4.2	5.5	76.4	91.3	33.0	33.1	99.7	101.2	34.3	33.9	101.2	102.4	10.0	9.8	102.0	101.0	103	90	114.4	121.2
H1		2.8				31.8				33.5				10.0				86		
I1	1.6	1.8	88.9	34.8	31.3	31.4	99.7	96.0	33.4	33.4	100.0	99.7	10.4	10.2	102.0	105.1	84	84	100.0	98.8
J1		1.7				31.9				34.1				10.0				86		
K1	4.8	5.4	88.9	104.3	32.4	32.9	98.5	99.4	33.5	33.8	99.1	100.0	9.7	9.2	105.4	98.0	96	90	106.7	112.9
L1		4.1				32.2				33.4				10.1				82		
M1		5.7				32.4				33.1				9.6				79		
O1	4.0	4.3	93.0	87.0	31.9	31.9	100.0	97.8	33.2	33.1	100.3	99.1	8.8	8.8	100.0	88.9	95	96	99.0	111.8
P1		6.4				33.0				33.5				10.6				89		
R1		6.6				32.6				33.1				9.9				91		
S1	4.1	3.7	110.8	89.1	33.2	33.0	100.6	101.8	33.4	33.2	100.6	99.7	9.8	10.1	97.0	99.0	81	78	103.8	95.3
V1	4.3	4.3	100.0	93.5	32.9	33.0	99.7	100.9	33.2	33.3	99.7	99.1	9.5	9.6	99.0	96.0	78	80	97.5	91.8
W1		3.2				31.7				33.3				10.1				84		
X1	5.6	5.2	107.7	121.7	33.3	33.5	99.4	102.1	33.4	33.6	99.4	99.7	9.0	9.2	97.8	90.9	85	89	95.5	100.0
C2		6.2				33.4				33.5				11.0				82		
D2		4.4				33.8				35.1				10.6				77		
E2	5.5	5.4	101.8	119.6	32.5	32.7	99.4	99.7	33.3	33.5	99.4	99.4	9.9	10.1	98.0	100.0	78	81	96.3	91.8
G2		5.5				32.8				33.6				9.2				89		
H2	3.9	4.3	90.7	84.8	33.0	32.7	100.9	101.2	34.4	34.0	101.2	102.7	10.1	10.0	101.0	102.0	87	85	102.4	102.4
I2	5.6	5.8	96.6	121.7	32.8	32.6	100.6	100.6	33.6	33.3	100.9	100.3	9.8	9.8	100.0	99.0	83	84	98.8	97.6
J2		5.1				33.5				33.6				10.1				90		
L2	5.0	5.2	96.2	108.7	33.3	32.3	103.1	102.1	34.3	33.2	103.3	102.4	10.3	9.9	104.0	104.0	73	75	97.3	85.9
M2	4.4	5.1	86.3	95.6	33.8	33.2	101.8	103.7	33.9	33.3	101.8	101.2	10.3	9.6	107.3	104.0	87	85	102.4	102.4
O2	6.2	5.5	112.7	134.8	32.8	32.6	100.6	100.6	33.4	33.5	99.7	99.7	10.3	10.1	102.0	104.0	94	90	104.4	110.6
Q2		4.8				33.8				34.8				9.8				87		
R2	4.6	4.8	95.8	100.0	32.4	32.5	99.7	99.4	33.5	33.5	100.0	100.0	10.2	10.0	102.0	103.0	79	79	100.0	92.9
S2	5.7	5.3	107.5	123.9	33.0	32.6	101.2	101.2	33.2	32.8	101.2	99.1	9.4	9.9	94.9	94.9	81	84	96.4	95.3
T2	5.7	5.6	101.8	123.9	33.3	33.2	100.3	102.1	33.4	33.3	100.3	99.7	10.7	10.6	100.9	108.1	91	87	104.6	107.0
U2		5.0				32.5				33.5				10.1				82		
V2	4.6	4.3	107.0	100.0	33.2	33.2	100.0	101.8	33.3	33.3	100.0	99.4	10.1	10.4	97.1	102.0	97	90	107.8	114.1
Y2	5.1	5.0	102.0	110.9	32.5	32.5	100.0	99.7	33.4	33.5	99.7	99.7	11.2	10.0	112.0	113.1	80	80	100.0	94.1
Z2		2.6				31.5				33.3				9.7				90		
A3	4.6	4.8	95.8	100.0	33.2	33.0	100.6	101.8	33.3	33.1	100.6	99.4	9.3	9.8	94.9	93.9	88	88	100.0	103.5
FKI DATA																				
CUR.																				
AV. 4.7																				
CUM.																				
AV. 4.6																				
IND.																				
*D 102.2																				
100.6																				
100.3																				
100.0																				
102.4																				

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, 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	4.7	5.0	94.0	102.2	32.5	32.5	100.0	99.7	33.6	33.4	100.6	100.3	9.7	9.8	99.0	98.0	105	95	110.5	123.5
C1		5.3				32.9				33.8				9.5				80		
E1		5.7				33.1				33.2								84		
F1		5.1				32.6				33.5				9.2				83		
G1		4.8				33.0				34.1				9.9				96		
H1	3.8	2.8	135.7	82.6	32.6	31.8	102.5	100.0	34.0	33.5	101.5	101.5	10.4	10.0	104.0	105.0	86	86	100.0	101.2
I1	1.9	1.8	105.6	41.3	31.4	31.4	100.0	96.3	33.4	33.4	100.0	99.7	10.3	10.2	101.0	104.0	85	84	101.2	100.0
J1		1.8				32.1				34.2				10.4				84		
K1	5.0	5.3	94.3	108.7	32.7	32.9	99.4	100.3	33.7	33.8	99.7	100.6	9.5	9.2	103.3	96.0	92	91	101.1	108.2
L1	4.4	4.1	107.3	95.6	32.3	32.2	100.3	99.1	33.5	33.4	100.3	100.0	10.0	10.1	99.0	101.0	81	82	98.8	95.3
N1		5.7				32.4				33.1				9.6				79		
O1	4.3	4.3	100.0	93.5	32.0	31.9	100.3	98.2	33.2	33.1	100.3	99.1	9.2	8.9	103.4	92.9	94	95	98.9	110.6
P1		6.5				33.0				33.5				10.5				89		
R1	7.0	6.6	106.1	152.2	33.0	32.6	101.2	101.2	33.0	33.0	100.0	98.5	11.1	10.0	111.0	112.1	93	78	119.2	109.4
S1	3.8	3.7	102.7	82.6	33.1	33.0	100.3	101.5	33.3	33.2	100.3	99.4	10.0	10.1	99.0	101.0	78	79	98.7	91.8
V1		4.2				33.0				33.3				9.6				79		
W1		3.2				31.7				33.3				10.1				84		
X1		5.3				33.5				33.6				9.2				88		
C2		6.2				33.4				33.5				11.0				82		
D2		4.5				33.9				35.1				10.7				77		
E2	5.4	5.4	100.0	117.4	32.4	32.7	99.1	99.4	33.2	33.5	99.1	99.1	10.0	10.1	99.0	101.0	78	81	96.3	91.8
G2	5.6	5.5	101.8	121.7	33.1	32.8	100.9	101.5	33.1	33.6	98.5	98.8	9.4	9.1	103.3	94.9	97	88	110.2	114.1
H2	3.9	4.2	92.8	84.8	33.1	32.8	100.9	101.5	34.5	34.0	101.5	103.0	9.9	10.0	99.0	100.0	90	86	104.6	105.9
I2	5.7	5.8	98.3	123.9	32.7	32.6	100.3	100.3	33.5	33.3	100.6	100.0	9.7	9.8	99.0	98.0	82	84	97.6	96.5
J2		5.1				33.5				33.6				10.0				89		
L2	5.1	5.2	98.1	110.9	32.6	32.4	100.6	100.0	33.5	33.3	100.6	100.0	9.8	10.0	98.0	99.0	77	75	102.7	90.6
M2	4.1	5.0	82.0	89.1	33.6	33.3	100.9	103.1	33.7	33.4	100.9	100.6	9.8	9.7	101.0	99.0	82	86	95.3	96.5
O2	5.4	5.6	96.4	117.4	32.9	32.6	100.9	100.9	33.8	33.4	101.2	100.9	10.7	10.2	104.9	108.1	78	91	85.7	91.8
Q2		4.8				33.8				34.8				9.8				87		
R2	5.2	4.8	108.3	113.0	32.5	32.4	100.3	99.7	33.4	33.5	99.7	99.7	9.8	10.0	98.0	99.0	82	79	103.8	96.5
S2	5.3	5.4	98.1	115.2	32.6	32.7	99.7	100.0	32.8	32.9	99.7	97.9	9.8	9.9	99.0	99.0	83	83	100.0	97.6
T2	5.6	5.7	98.2	121.7	33.1	33.2	99.7	101.5	33.2	33.3	99.7	99.1	11.2	10.6	105.7	113.1	87	88	98.9	102.4
U2		4.9				32.4				33.4				10.1				82		
V2	4.4	4.3	102.3	95.6	33.3	33.2	100.3	102.1	33.4	33.3	100.3	99.7	10.7	10.4	102.9	108.1	91	91	100.0	107.0
Y2	5.1	5.0	102.0	110.9	32.4	32.5	99.7	99.4	33.3	33.5	99.4	99.4	10.4	10.2	102.0	105.0	80	80	100.0	94.1
Z2	3.8	2.5	152.0	82.6	31.7	31.5	100.6	97.2	33.1	33.3	99.4	98.8	9.8	9.7	101.0	99.0	85	90	94.4	100.0
A3	4.8	4.7	102.1	104.3	33.6	33.0	101.8	103.1	33.7	33.1	101.8	100.6	9.8	9.7	101.0	99.0		88		
FKI DATA																				
CUR.																				
AV.	4.7				32.7				33.4				10.0				86			
CUM.																				
AV.	4.6				32.6				33.5				9.9				85			
IND.																				
*D	102.2				100.3				99.7				101.0				101.2			

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, 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				37.5				38.4				10.2				108		
C1		6.6				37.5				37.9				10.6				88		
E1	5.7	5.6	101.8	109.6	38.0	38.0	100.0	100.5	38.1	38.1	100.0	99.2					95	93	102.2	99.0
G1		5.1				38.0				39.1				11.5				99		
M1		3.8				36.7				38.2				10.7				99		
K1	5.6	5.5	101.8	107.7	37.9	38.1	99.5	100.3	38.8	39.0	99.5	101.0	11.1	10.5	105.7	101.8	105	100	105.0	109.4
M1		3.1				36.2				38.1				10.9				102		
O1	4.0	4.3	93.0	76.9	37.1	36.8	100.8	98.1	38.6	38.2	101.0	100.5	10.1	10.1	100.0	92.7	110	102	107.8	114.6
P1		7.1				38.0				38.3				11.1				92		
S1	4.1	4.3	95.3	78.8	38.0	38.0	100.0	100.5	38.2	38.2	100.0	99.5	10.7	11.1	96.4	98.2	94	90	104.4	97.9
V1		4.5				38.3				38.6				11.2				89		
W1		3.4				36.7				38.4				11.7				94		
X1	5.4	5.5	98.2	103.8	38.2	38.1	100.3	101.0	38.3	38.2	100.3	99.7	9.7	10.2	95.1	89.0	97	96	101.0	101.0
Y1		5.4				38.1				39.1				10.0				91		
Z1	5.4	4.4	122.7	103.8	38.0	37.6	101.1	100.5	39.0	39.0	100.0	101.6	11.0	10.5	104.8	100.9	95	97	97.9	99.0
A2	3.8	3.2	118.8	73.1	37.2	37.1	100.3	98.4	38.8	39.0	99.5	101.0	9.9	10.4	95.2	90.8	98	99	99.0	102.1
B2		5.4				36.7				37.6				10.0				92		
C2	6.2	6.0	103.3	119.2	38.4	38.6	99.5	101.6	38.5	38.7	99.5	100.3	11.1	11.0	100.9	101.8	96	99	97.0	100.0
E2	7.2	7.1	101.4	138.5	38.0	37.8	100.5	100.5	38.3	38.2	100.3	99.7	11.1	11.5	96.5	101.8	92	89	103.4	95.8
F2		5.4				38.4				39.4				11.4				100		
H2	5.0	5.0	100.0	96.2	38.1	37.6	101.3	100.8	39.2	38.8	101.0	102.1	11.4	11.2	101.8	104.6	99	95	104.2	103.1
I2		6.2				37.6				38.2				11.2				95		
J2		5.0				38.2				38.3				11.5				98		
L2		5.4				36.8				37.8				11.0				87		
M2	4.5	5.2	86.5	86.5	39.3	38.9	101.0	104.0	39.4	39.0	101.0	102.6	11.5	10.7	107.5	105.5	93	98	94.9	96.9
N2		5.5				37.7				38.6				10.5				101		
O2	5.8	5.8	100.0	111.5	37.7	37.6	100.3	99.7	38.5	38.4	100.3	100.3	10.5	10.7	98.1	96.3	104	104	100.0	108.3
Q2		5.1				38.7				39.8				11.2				98		
R2	5.2	4.7	110.6	100.0	37.4	37.3	100.3	98.9	38.4	38.5	99.7	100.0	11.4	11.5	99.1	104.6	91	90	101.1	94.8
S2		5.6				37.7				37.9				11.4				95		
T2	5.7	5.8	98.3	109.6	38.3	38.2	100.3	101.3	38.4	38.3	100.3	100.0	11.7	11.7	100.0	107.3	95	95	100.0	99.0
V2	5.0	4.9	102.0	96.2	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.4	11.5	99.1	104.6	98	98	100.0	102.1
X2	5.6	5.9	94.9	107.7	37.5	37.5	100.0	99.2	38.4	38.3	100.3	100.0	10.7	11.4	93.8	98.2	104	94	110.6	108.3
Y2	4.9	5.1	96.1	94.2	37.4	37.4	100.0	98.9	38.6	38.5	100.2	100.5	11.3	11.4	99.1	103.7	92	92	100.0	95.8
Z2		4.1				36.8				38.3				11.0				101		
A3	4.9	5.2	94.2	94.2	38.0	38.1	99.7	100.5	38.1	38.2	99.7	99.2	10.9	11.0	99.1	100.0	98	94	104.2	102.1
B3		3.7				38.6				38.7				10.6				95		
FKI DATA																				
CUR.		5.2				37.9				38.6				10.9				98		
CUM.		5.2				37.8				38.4				10.9				96		
IND.		*D 100.0				100.3				100.5				100.0				102.1		

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
APRIL, 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	5.8	82.8	92.3	38.1	37.5	101.6	100.8	39.4	38.4	102.6	102.3	10.3	10.2	101.0	94.5	112	108	103.7	116.7
C1		6.6				37.5				38.0				10.6				88		
E1	5.7	5.6	101.8	109.6	38.0	38.0	100.0	100.5	38.1	38.1	100.0	99.0					98	93	105.4	102.1
G1		5.1				38.0				39.1				11.5				99		
H1	4.6	3.8	121.0	88.5	37.6	36.7	102.4	99.5	38.9	38.2	101.8	101.0	11.7	10.7	109.3	107.3	98	99	99.0	102.1
K1	5.5	5.6	98.2	105.8	37.8	38.0	99.5	100.0	38.7	39.0	99.2	100.5	11.1	10.6	104.7	101.8	100	101	99.0	104.2
M1		3.1				36.2				38.1				10.9				102		
O1	3.9	4.3	90.7	75.0	36.9	36.9	100.0	97.6	38.4	38.3	100.3	99.7	10.4	10.0	104.0	95.4	105	102	102.9	109.4
P1		7.1				38.0				38.3				11.1				92		
S1	4.2	4.2	100.0	80.8	38.2	38.0	100.5	101.0	38.4	38.2	100.5	99.7	11.0	11.0	100.0	100.9	91	90	101.1	94.8
V1		4.4				38.4				38.7				11.0				90		
W1	6.1	3.4	179.4	117.3	37.6	36.8	102.2	99.5	38.3	38.5	99.5	99.5	11.4	11.8	96.6	104.6	96	93	103.2	100.0
X1	5.3	5.4	98.1	101.9	38.4	38.1	100.8	101.6	38.5	38.2	100.8	100.0	9.5	10.2	93.1	87.2	97	96	101.0	101.0
Y1	4.8	5.5	87.3	92.3	38.4	38.1	100.8	101.6	39.7	39.1	101.5	103.1	10.0	10.0	100.0	91.7	95	91	104.4	99.0
Z1	4.8	4.9	98.0	92.3	38.1	37.8	100.8	100.8	39.4	39.0	101.0	102.3	11.7	10.8	108.3	107.3	97	96	101.0	101.0
A2	3.4	3.3	103.0	65.4	37.0	37.1	99.7	97.9	38.8	38.9	99.7	100.8	10.8	10.3	104.8	99.1	100	99	101.0	104.2
B2		5.4				36.7				37.6				10.0				92		
C2	6.6	6.0	110.0	126.9	38.6	38.6	100.0	102.1	38.7	38.7	100.0	100.5	12.1	11.0	110.0	111.0	99	98	101.0	103.1
E2	7.2	7.1	101.4	138.5	37.6	37.8	99.5	99.5	37.9	38.2	99.2	98.4	11.1	11.5	96.5	101.8	89	89	100.0	92.7
F2		5.4				38.4				39.4				11.4				100		
H2	4.6	5.0	92.0	88.5	38.0	37.7	100.8	100.5	39.3	38.8	101.3	102.1	11.3	11.2	100.9	103.7	98	95	103.2	102.1
I2		6.2				37.6				38.2				11.2				95		
J2		5.0				38.2				38.3				11.5				98		
L2		5.4				36.8				37.8				11.0				87		
M2	4.5	5.1	88.2	86.5	39.0	39.0	100.0	103.2	39.1	39.0	100.2	101.6	10.9	10.8	100.9	100.0	90	97	92.8	93.8
N2	4.6	5.5	83.6	88.5	38.0	37.7	100.8	100.5	39.3	38.6	101.8	102.1	11.1	10.5	105.7	101.8	105	101	104.0	109.4
O2	5.6	5.8	96.6	107.7	37.8	37.6	100.5	100.0	38.7	38.4	100.8	100.5	11.1	10.6	104.7	101.8	96	104	92.3	100.0
Q2		5.1				38.7				39.8				11.2				98		
R2	4.8	4.7	102.1	92.3	37.3	37.3	100.0	98.7	38.5	38.5	100.0	100.0	11.4	11.3	100.9	104.6	89	91	97.8	92.7
S2	5.1	5.5	92.7	98.1	37.7	37.8	99.7	99.7	37.9	38.0	99.7	98.4	10.8	11.3	95.6	99.1	94	95	98.9	97.9
T2	5.8	5.8	100.0	111.5	38.2	38.2	100.0	101.0	38.3	38.4	99.7	99.5	11.4	11.7	97.4	104.6	97	95	102.1	101.0
V2	4.7	4.9	95.9	90.4	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.5	11.8	11.5	102.6	108.2	98	98	100.0	102.1
X2	5.6	5.8	96.6	107.7	37.3	37.5	99.5	98.7	38.2	38.3	99.7	99.2	11.8	11.4	103.5	108.2	109	95	114.7	113.5
Y2	5.0	5.0	100.0	96.2	37.4	37.4	100.0	98.9	38.5	38.5	100.0	100.0	11.6	11.4	101.8	106.4	92	92	100.0	95.8
Z2		4.1				36.8				38.3				11.0				101		
A3	5.1	5.2	98.1	98.1	37.8	38.1	99.2	100.0	37.9	38.2	99.2	98.4	10.8	11.0	98.2	99.1	97	95	102.1	101.0
B3		3.6				38.6				38.7				10.6				95		
FKI DATA																				
CUR.																				
AV.	5.1				37.9				38.6				11.1				98			
CUM.																				
AV.	5.2				37.8				38.5				10.9				96			
IND.																				
*D	98.1				100.3				100.2				101.8				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
MARCH, 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	6.4	6.6	97.0	123.1	42.1	41.8	100.7	101.2	42.7	42.4	100.7	100.7	11.0	11.5	95.6	90.9	124	113	109.7	120.4
B1	5.7	5.5	103.6	109.6	41.8	41.8	100.0	100.5	42.8	42.8	100.0	100.9	11.8	11.4	103.5	97.5	112	108	103.7	108.7
C1	7.3	7.3	100.0	140.4	41.7	41.7	100.0	100.2	41.9	41.9	100.0	98.8	11.9	11.6	102.6	98.3	101	101	100.0	98.0
D1	3.7	3.6	102.8	71.2	42.1	42.0	100.2	101.2	42.3	42.2	100.2	99.8	11.2	11.7	95.7	92.6	107	102	104.9	103.9
E1	5.6	5.6	100.0	107.7	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3					105	102	102.9	101.9
F1	5.5	6.1	90.2	105.8	41.5	41.7	99.5	99.8	42.5	42.5	100.0	100.2	12.6	12.4	101.6	104.1	107	105	101.9	103.9
H1	3.0	3.8	78.9	57.7	40.7	40.8	99.8	97.8	42.8	42.5	100.7	100.9	11.9	12.0	99.2	98.3	109	106	102.8	105.8
I1	5.6	5.7	98.2	107.7	41.5	41.6	99.8	99.8	42.5	42.5	100.0	100.2	13.2	13.0	101.5	109.1	104	104	100.0	101.0
J1	3.0	3.0	100.0	57.7	40.9	40.7	100.5	98.3	43.0	42.8	100.5	101.4	12.3	12.1	101.6	101.6	106	106	100.0	102.9
K1	5.4	5.5	98.2	103.8	41.5	42.0	98.8	99.8	42.6	43.1	98.8	100.5	12.4	11.6	106.9	102.5	104	107	97.2	101.0
L1		4.4				41.0				42.5								102		
M1	5.0	3.6	138.9	96.2	40.9	40.3	101.5	98.3	42.1	42.2	99.8	99.3	12.2	12.2	100.0	100.8	115	106	108.5	111.6
O1	4.2	4.4	95.4	80.8	40.7	40.7	100.0	97.8	42.3	42.2	100.2	99.8	11.0	11.1	99.1	90.9	109	109	100.0	105.8
P1		7.0				42.0				42.4								108		
Q1		3.3				41.1				43.1								111		
S1	4.8	4.3	111.6	92.3	42.0	41.9	100.2	101.0	42.2	42.1	100.2	99.5	12.9	12.2	105.7	106.6	104	100	104.0	101.0
U1		4.9				42.7				42.8								108		
V1	4.3	4.5	95.6	82.7	42.0	42.4	99.0	101.0	42.4	42.8	99.1	100.0	12.3	12.1	101.6	101.6	102	100	102.0	99.0
W1	5.6	3.9	143.6	107.7	41.8	40.5	103.2	100.5	42.8	42.3	101.2	100.9	12.6	12.7	99.2	104.1	105	103	101.9	101.9
X1	5.5	5.6	98.2	105.8	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.8	10.7	11.3	94.7	88.4	103	102	101.0	100.0
Y1	5.8	6.4	90.6	111.5	42.2	42.1	100.2	101.4	43.1	42.8	100.7	101.6	10.9	11.0	99.1	90.1	102	100	102.0	99.0
Z1	5.4	5.0	108.0	103.8	41.9	41.7	100.5	100.7	43.0	43.0	100.0	101.4	12.1	11.7	103.4	100.0	106	104	101.9	102.9
A2	4.1	4.4	93.2	78.8	41.1	40.9	100.5	98.8	42.7	42.4	100.7	100.7	11.1	11.1	100.0	91.7	105	103	101.9	101.9
B2	5.6	5.6	100.0	107.7	42.2	41.3	102.2	101.4	43.2	42.3	102.1	101.9	11.3	11.6	97.4	93.4	98	100	98.0	95.1
C2	6.3	6.2	101.6	121.2	42.3	42.0	100.7	101.7	42.4	42.1	100.7	100.0	12.2	12.1	100.8	100.8	107	106	100.9	103.9
D2		4.5				43.2				44.7								97		
E2	7.2	7.3	98.6	138.5	42.0	42.0	100.0	101.0	42.3	42.2	100.2	99.8	12.1	12.6	96.0	100.0	102	99	103.0	99.0
F2	5.5	5.6	98.2	105.8	42.2	42.5	99.3	101.4	43.3	43.5	99.5	102.1	12.1	12.0	100.8	100.0	109	107	101.9	105.8
H2	5.2	5.8	89.6	100.0	41.8	41.5	100.7	100.5	43.0	42.4	101.4	101.4	12.5	12.8	97.6	103.3	111	106	104.7	107.8
I2	6.2	6.3	98.4	119.2	41.5	41.4	100.2	99.8	42.2	42.1	100.2	99.5	12.6	12.5	100.8	104.1	100	101	99.0	97.1
L2		5.4				41.2				42.3								96		
M2	4.5	5.9	76.3	86.5	42.5	42.1	101.0	102.2	42.6	42.2	100.9	100.5	12.4	11.8	105.1	102.5	105	105	100.0	101.9
N2	5.2	6.2	83.9	100.0	41.2	41.5	99.3	99.0	42.4	42.2	100.5	100.0	11.7	11.9	98.3	96.7	110	106	103.8	106.8
O2	6.6	6.5	101.5	126.9	41.6	41.6	100.0	100.0	42.1	42.2	99.8	99.3	11.7	11.8	99.2	96.7	107	108	99.1	103.9
P2	5.6	5.9	94.9	107.7	41.4	41.4	100.0	99.5	42.4	42.2	100.5	100.0	11.2	11.6	96.6	92.6	104	109	95.4	101.0
Q2	5.4	5.4	100.0	103.8	41.1	41.5	99.0	98.8	42.2	42.6	99.1	99.5	11.9	12.3	96.7	98.3	100	101	99.0	97.1
R2	4.7	4.3	109.3	90.4	41.2	40.9	100.7	99.0	42.6	42.5	100.2	100.5	12.5	12.4	100.8	103.3	102	101	101.0	99.0
S2	5.7	6.0	95.0	109.6	41.8	41.6	100.5	100.5	42.0	41.8	100.5	99.0	11.9	12.5	95.2	98.3	102	104	98.1	99.0
T2	5.7	5.8	98.3	109.6	42.2	42.2	100.0	101.4	42.3	42.4	99.8	99.8	12.4	12.5	99.2	102.5	105	104	101.0	101.9
V2	5.2	5.1	102.0	100.0	42.1	42.2	99.8	101.2	42.2	42.2	100.0	99.5	12.8	12.8	100.0	105.8	106	104	101.9	102.9
W2	4.6	4.9	93.9	88.5	41.2	41.4	99.5	99.0	42.6	42.7	99.8	100.5	11.8	11.9	99.2	97.5	103	101	102.0	100.0
X2	5.8	6.2	93.5	111.5	41.4	41.5	99.8	99.5	42.3	42.2	100.2	99.8	12.3	13.1	93.9	101.6	112	102	109.8	108.7
Y2	5.2	5.1	102.0	100.0	41.3	41.3	100.0	99.3	42.5	42.5	100.0	100.2	12.5	12.7	98.4	103.3	100	100	100.0	97.1
Z2	4.2	4.2	100.0	80.8	40.6	40.6	100.0	97.6	42.2	42.2	100.0	99.5	12.5	12.2	102.4	103.3	105	105	100.0	101.9
A3	5.2	5.3	98.1	100.0	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	11.7	12.2	95.9	96.7	102	102	100.0	99.0
B3	4.1	4.4	93.2	78.8	42.8	42.2	101.4	102.9	42.9	42.3	101.4	101.2	11.8	11.5	102.6	97.5	100	103	97.1	97.1
FKI DATA																				
CUR.		5.2			41.7				42.5				12.0				106			
CUM.		5.2			41.6				42.4				12.1				103			
IND.																				
*D 100.0					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
APRIL, 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	6.1	6.5	93.8	117.3	41.8	41.8	100.0	100.5	42.6	42.4	100.5	100.5	11.1	11.4	97.4	91.7	121	114	106.1	116.3
B1	5.6	5.5	101.8	107.7	41.8	41.8	100.0	100.5	42.8	42.8	100.0	100.9	11.5	11.4	100.9	95.0	109	108	100.9	104.8
C1	6.9	7.3	94.5	132.7	41.7	41.7	100.0	100.2	42.1	41.9	100.5	99.3	11.7	11.6	100.9	96.7	101	101	100.0	97.1
D1	3.8	3.6	105.6	73.1	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	11.0	11.7	94.0	90.9	103	102	101.0	99.0
E1	5.7	5.6	101.8	109.6	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3					102	102	100.0	98.1
F1	5.8	6.0	96.7	111.5	41.6	41.7	99.8	100.0	42.5	42.5	100.0	100.2	12.0	12.4	96.8	99.2	105	105	100.0	101.0
H1	2.8	3.7	75.7	53.8	40.5	40.8	99.3	97.4	42.7	42.6	100.2	100.7	12.1	12.0	100.8	100.0	109	106	102.8	104.8
I1	5.6	5.7	98.2	107.7	41.5	41.6	99.8	99.8	42.5	42.5	100.0	100.2	13.1	13.0	100.8	108.3	103	104	99.0	99.0
J1	2.4	3.0	80.0	46.2	40.6	40.7	99.8	97.6	43.0	42.8	100.5	101.4	12.3	12.1	101.6	101.6	108	106	101.9	103.8
K1	5.5	5.6	98.2	105.8	41.5	41.9	99.0	99.8	42.5	43.0	98.8	100.2	12.4	11.7	106.0	102.5	108	107	100.9	103.8
L1		4.4				41.0				42.5				12.9				102		
M1		3.8				40.4				42.2				12.2				107		
O1	4.1	4.4	93.2	78.8	40.9	40.7	100.5	98.3	42.5	42.2	100.7	100.2	11.2	11.1	100.9	92.6	112	109	102.8	107.7
P1		7.0				42.0				42.4				11.8				108		
Q1	3.7	3.3	112.1	71.2	40.5	41.1	98.5	97.4	42.3	43.1	98.1	99.8	13.6	13.1	103.8	112.4	113	111	101.8	108.6
S1	4.5	4.3	104.6	86.5	42.1	41.9	100.5	101.2	42.3	42.1	100.5	99.8	12.5	12.3	101.6	103.3	103	100	103.0	99.0
U1		4.9				42.7				42.8				12.4				108		
V1	4.2	4.5	93.3	80.8	42.5	42.4	100.2	102.2	42.9	42.8	100.2	101.2	12.0	12.1	99.2	99.2	102	100	102.0	98.1
W1	5.1	4.0	127.5	98.1	41.4	40.6	102.0	99.5	42.6	42.3	100.7	100.5	12.5	12.7	98.4	103.3	104	103	101.0	100.0
X1	5.4	5.5	98.2	103.8	42.3	42.2	100.2	101.7	42.4	42.3	100.2	100.0	10.8	11.2	96.4	89.2	105	102	102.9	101.0
Y1	5.8	6.4	90.6	111.5	42.2	42.1	100.2	101.4	43.1	42.8	100.7	101.6	11.2	11.0	101.8	92.6	102	100	102.0	98.1
Z1	5.2	5.0	104.0	100.0	41.8	41.8	100.0	100.5	43.0	43.0	100.0	101.4	12.0	11.7	102.6	99.2	105	104	101.0	101.0
A2	4.1	4.4	93.2	78.8	41.1	40.9	100.5	98.8	42.7	42.4	100.7	100.7	11.3	11.1	101.8	93.4	107	104	102.9	102.9
B2	5.7	5.6	101.8	109.6	41.9	41.4	101.2	100.7	42.9	42.4	101.2	101.2	11.7	11.5	101.7	96.7	101	100	101.0	97.1
C2	6.3	6.2	101.6	121.2	42.3	42.1	100.5	101.7	42.4	42.2	100.5	100.0	12.6	12.1	104.1	104.1	106	106	100.0	101.9
D2	5.2	4.5	115.6	100.0	41.8	43.3	96.5	100.5	43.0	44.8	96.0	101.4	13.1	13.6	96.3	108.3	98	96	102.1	94.2
E2	7.4	7.3	101.4	142.3	41.9	42.0	99.8	100.7	42.1	42.2	99.8	99.3	12.3	12.6	97.6	101.6	102	99	103.0	98.1
F2	5.6	5.6	100.0	107.7	41.6	42.5	97.9	100.0	42.6	43.5	97.9	100.5	11.9	12.0	99.2	98.3	111	108	102.8	106.7
H2	4.9	5.6	87.5	94.2	42.2	41.6	101.4	101.4	43.5	42.6	102.1	102.6	12.6	12.7	99.2	104.1	108	108	100.0	103.8
I2	6.3	6.3	100.0	121.2	42.1	41.4	101.7	101.2	42.8	42.1	101.7	100.9	12.6	12.5	100.8	104.1	101	101	100.0	97.1
L2	4.9	5.3	92.4	94.2	41.8	41.2	101.4	100.5	43.1	42.3	101.9	101.6	11.9	12.1	98.3	98.3	98	96	102.1	94.2
M2	4.5	5.7	78.9	86.5	42.3	42.2	100.2	101.7	42.4	42.2	100.5	100.0	11.9	11.9	100.0	98.3	104	105	99.0	100.0
N2	5.1	6.1	83.6	98.1	41.2	41.5	99.3	99.0	42.4	42.2	100.5	100.0	11.5	11.8	97.4	95.0	111	106	104.7	106.7
O2	6.4	6.5	98.5	123.1	41.7	41.6	100.2	100.2	42.3	42.2	100.2	99.8	11.9	11.8	100.8	98.3	104	108	96.3	100.0
P2	5.5	5.8	94.8	105.8	41.3	41.4	99.8	99.3	42.3	42.2	100.2	99.8	11.5	11.6	99.1	95.0	105	108	97.2	101.0
Q2	5.2	5.4	96.3	100.0	41.2	41.4	99.5	99.0	42.4	42.5	99.8	100.0	12.2	12.2	100.0	100.8	101	101	100.0	97.1
R2	5.4	4.4	122.7	103.8	41.4	41.0	101.0	99.5	42.5	42.5	100.0	100.2	12.5	12.4	100.8	103.3	103	101	102.0	99.0
S2	5.5	5.9	93.2	105.8	41.6	41.6	100.0	100.0	41.8	41.8	100.0	98.6	11.2	12.5	89.6	92.6	102	104	98.1	98.1
T2	5.5	5.8	94.8	105.8	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.8	12.4	12.5	99.2	102.5	106	104	101.9	101.9
V2	5.2	5.1	102.0	100.0	42.1	42.2	99.8	101.2	42.2	42.2	100.0	99.5	12.8	12.8	100.0	105.8	103	104	99.0	99.0
W2	4.8	4.9	98.0	92.3	41.3	41.4	99.8	99.3	42.7	42.7	100.0	100.7	11.9	11.9	100.0	98.3	102	102	100.0	98.1
X2	5.6	6.1	91.8	107.7	41.3	41.5	99.5	99.3	42.3	42.2	100.2	99.8	12.6	13.1	96.2	104.1	112	104	107.7	107.7
Y2	5.2	5.1	102.0	100.0	41.3	41.3	100.0	99.3	42.5	42.5	100.0	100.2	13.1	12.7	103.1	108.3	101	100	101.0	97.1
Z2	4.2	4.2	100.0	80.8	40.6	40.6	100.0	97.6	42.2	42.2	100.0	99.5	12.1	12.3	98.4	100.0	110	105	104.8	105.8
A3	5.2	5.3	98.1	100.0	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	11.9	12.2	97.5	98.3	105	102	102.9	101.0
B3	4.0	4.3	93.0	76.9	42.8	42.2	101.4	102.9	42.9	42.3	101.4	101.2	11.5	11.5	100.0	95.0	104	103	101.0	100.0

FKI DATA

CUR.																				
AV.	5.1				41.6			42.5				12.0				105				
CUM.																				
AV.	5.2				41.6			42.4				12.1				104				
IND.																				
*D	98.1				100.0			100.2				99.2				101.0				

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, 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	7.1	7.3	97.3	116.4		69.7	69.1	100.9	101.8	70.3	69.5	101.2	101.6	17.3	18.2	95.0	88.3	165	149	110.7	117.8
B1	5.7	5.7	100.0	93.4		68.6	68.7	99.8	100.1	70.2	70.2	100.0	101.4	19.8	19.4	102.1	101.0	139	140	99.3	99.3
C1	8.6	8.8	97.7	141.0		69.0	68.6	100.6	100.7	68.4	67.9	100.7	98.8	19.4	19.4	100.0	99.0	140	137	102.2	100.0
D1	4.3	4.5	95.6	70.5		69.1	69.0	100.1	100.9	69.4	69.3	100.1	100.3	18.3	18.5	98.9	93.4	152	136	111.8	108.6
E1	5.7	5.8	98.3	93.4		68.6	68.9	99.6	100.1	68.8	69.1	99.6	99.4					140	137	102.2	100.0
F1	6.8	6.8	100.0	111.5		68.9	68.8	100.1	100.6	69.7	69.6	100.1	100.7	20.7	19.6	105.6	105.6	140	140	100.0	100.0
H1		4.2					67.1				69.7				19.9				148		
J1		3.6					66.8				69.9				20.0				145		
O1	4.3	4.4	97.7	70.5		67.3	66.8	100.7	98.2	69.9	69.2	101.0	101.0	17.9	17.2	104.1	91.3	157	166	94.6	112.1
P1		7.3					69.4				69.8				19.4				144		
Q1	5.2	4.7	110.6	85.2		67.9	67.5	100.6	99.1	69.8	69.8	100.0	100.9	18.5	18.4	100.5	94.4	149	143	104.2	106.4
T1	5.9	6.8	86.8	96.7		68.3	68.4	99.8	99.7	69.7	69.2	100.7	100.7	18.6	19.1	97.4	94.9	140	142	98.6	100.0
U1	6.0	5.8	103.4	98.4		69.6	69.6	100.0	101.6	69.8	69.8	100.0	100.9	20.3	20.4	99.5	103.6	143	144	99.3	102.1
V1	5.2	5.3	98.1	85.2		68.3	68.6	99.6	99.7	68.9	69.2	99.6	99.6	18.9	19.5	96.9	96.4	142	140	101.4	101.4
W1	5.6	5.4	103.7	91.8		68.8	67.8	101.5	100.4	70.5	69.6	101.3	101.9	20.2	20.4	99.0	103.1	140	138	101.4	100.0
X1	6.0	5.7	105.3	98.4		69.2	69.4	99.7	101.0	69.4	69.6	99.7	100.3	18.4	19.3	95.3	93.9	142	139	102.2	101.4
Y1	6.8	7.6	89.5	111.5		68.8	68.6	100.3	100.4	69.6	68.8	101.2	100.6	18.4	18.3	100.5	93.9	137	136	100.7	97.8
Z1	7.1	7.0	101.4	116.4		68.8	68.4	100.6	100.4	69.4	69.0	100.6	100.3	19.3	19.3	100.0	98.5	146	144	101.4	104.3
A2	6.7	6.3	106.3	109.8		69.8	68.3	102.2	101.9	70.6	69.4	101.7	102.0	19.4	19.4	100.0	99.0	136	138	98.6	97.1
B2	6.5	6.9	94.2	106.6		68.5	68.6	99.8	100.0	69.5	69.2	100.4	100.4	20.2	20.4	99.0	103.1	136	132	103.0	97.1
C2	6.7	6.6	101.5	109.8		69.3	68.8	100.7	101.2	69.5	69.0	100.7	100.4	18.9	19.7	95.9	96.4	152	145	104.8	108.6
D2		5.7					69.7				71.3				21.6				131		
E2	7.4	7.6	97.4	121.3		69.6	69.4	100.3	101.6	69.9	69.5	100.6	101.0	20.7	20.8	99.5	105.6	138	140	98.6	98.6
F2	5.9	5.9	100.0	96.7		67.5	68.5	98.5	98.5	68.9	70.0	98.4	99.6	21.0	20.3	103.4	107.1	143	136	105.1	102.1
I2	7.0	7.2	97.2	114.8		68.3	68.5	99.7	99.7	68.9	69.0	99.8	99.6	20.7	21.0	98.6	105.6	136	136	100.0	97.1
M2	4.9	5.6	87.5	80.3		70.3	70.0	100.4	102.6	70.5	70.2	100.4	101.9	21.0	18.9	111.1	107.1	138	140	98.6	98.6
N2	6.6	6.9	95.6	108.2		68.6	68.6	100.0	100.1	69.5	69.3	100.3	100.4	19.1	19.4	98.4	97.4	158	146	108.2	112.8
P2	5.8	7.1	81.7	95.1		70.9	68.8	103.0	103.5	72.5	69.4	104.5	104.8	19.3	19.2	100.5	98.5	141	138	102.2	100.7
Q2	6.2	6.3	98.4	101.6		68.3	68.4	99.8	99.7	69.5	69.5	100.0	100.4	19.4	20.0	97.0	99.0	133	132	100.8	95.0
S2	6.2	6.2	100.0	101.6		68.6	68.3	100.4	100.1	68.9	68.6	100.4	99.6	19.4	19.8	98.0	99.0	140	143	97.9	100.0
T2		6.2					69.4				69.6				20.5				146		
V2	5.7	5.6	101.8	93.4		69.3	69.3	100.0	101.2	69.5	69.5	100.0	100.4	19.7	20.3	97.0	100.5	145	138	105.1	103.6
W2	4.7	5.2	90.4	77.0		67.7	68.2	99.3	98.8	70.0	70.1	99.8	101.2	18.6	18.8	98.9	94.9	139	136	102.2	99.3
X2	6.5	7.0	92.8	106.6		68.8	68.8	100.0	100.4	69.8	69.4	100.6	100.9	21.2	20.8	101.9	108.2	142	136	104.4	101.4
Z2	3.9	4.8	81.2	63.9		66.5	67.1	99.1	97.1	69.3	69.2	100.1	100.1	20.6	19.6	105.1	105.1	137	138	99.3	97.8
A3	5.7	5.7	100.0	93.4		68.9	68.9	100.0	100.6	69.1	69.1	100.0	99.8	18.0	19.2	93.8	91.8	144	140	102.8	102.8
B3	4.6	5.0	92.0	75.4		69.6	69.2	100.6	101.6	69.8	69.4	100.6	100.9	18.4	18.3	100.5	93.9	135	139	97.1	96.4
FKI DATA																					
CUR.																					
AV.		6.0				68.8				69.7				19.4				143			
CUM.																					
AV.		6.1				68.5				69.2				19.6				140			
IND.																					
*D		98.4				100.4				100.7				99.0				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
APRIL, 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	6.4	7.3	87.7	106.7	68.6	69.2	99.1	100.0	69.6	69.6	100.0	100.4	18.0	18.2	98.9	91.8	148	150	98.7	105.7	
B1	6.0	5.7	105.3	100.0	68.6	68.6	100.0	100.0	70.0	70.2	99.7	101.0	19.2	19.4	99.0	98.0	146	140	104.3	104.3	
C1	8.7	8.8	98.9	145.0	69.0	68.7	100.4	100.6	68.3	67.9	100.6	98.6	19.8	19.5	101.5	101.0	138	137	100.7	98.6	
D1	4.6	4.5	102.2	76.7	69.2	69.0	100.3	100.9	69.5	69.3	100.3	100.3	18.8	18.4	102.2	95.9	139	138	100.7	99.3	
E1	5.6	5.8	96.6	93.3	68.8	68.8	100.0	100.3	69.0	69.0	100.0	99.6					137	137	100.0	97.8	
F1	6.4	6.8	94.1	106.7	68.6	68.8	99.7	100.0	69.6	69.6	100.0	100.4	19.8	19.7	100.5	101.0	143	141	101.4	102.1	
H1	3.7	4.2	88.1	61.7	67.0	67.1	99.8	97.7	69.9	69.7	100.3	100.9	20.1	19.8	101.5	102.6	150	147	102.0	107.1	
J1	2.2	3.6	61.1	36.7	66.2	66.8	99.1	96.5	70.2	69.9	100.4	101.3	19.7	20.0	98.5	100.5	145	145	100.0	103.6	
O1	3.9	4.4	88.6	65.0	66.9	66.9	100.0	97.5	69.7	69.4	100.4	100.6	18.1	17.4	104.0	92.3	181	163	111.0	129.3	
P1		7.3				69.4				69.8				19.4				144			
Q1	4.6	4.7	97.9	76.7	68.1	67.5	100.9	99.3	70.5	69.8	101.0	101.7	18.4	18.4	100.0	93.9	148	143	103.5	105.7	
T1	6.6	6.7	98.5	110.0	68.4	68.4	100.0	99.7	69.3	69.2	100.1	100.0	19.4	19.1	101.6	99.0	142	142	100.0	101.4	
U1	5.7	5.8	98.3	95.0	69.6	69.6	100.0	101.4	69.8	69.8	100.0	100.7	20.1	20.4	98.5	102.6	144	144	100.0	102.8	
V1	4.8	5.3	90.6	80.0	68.6	68.5	100.1	100.0	69.2	69.1	100.1	99.8	19.0	19.4	97.9	96.9	141	141	100.0	100.7	
W1	4.9	5.4	90.7	81.7	68.5	67.9	100.9	99.8	70.6	69.7	101.3	101.9	20.2	20.4	99.0	103.1	143	138	103.6	102.1	
X1	6.0	5.7	105.3	100.0	69.3	69.4	99.8	101.0	69.5	69.6	99.8	100.3	18.9	19.2	98.4	96.4	140	140	100.0	100.0	
Y1	7.7	7.6	101.3	128.3	69.3	68.6	101.0	101.0	69.4	68.8	100.9	100.1	18.2	18.3	99.4	92.8	137	136	100.7	97.8	
Z1	7.5	7.0	107.1	125.0	68.7	68.4	100.4	100.1	68.9	69.0	99.8	99.4	19.4	19.4	100.0	99.0	148	144	102.8	105.7	
A2	6.3	6.3	100.0	105.0	68.4	68.4	100.0	99.7	69.5	69.5	100.0	100.3	20.0	19.5	102.6	102.0	142	137	103.6	101.4	
B2	6.9	6.9	100.0	115.0	69.2	68.6	100.9	100.9	69.9	69.3	100.9	100.9	20.6	20.4	101.0	105.1	134	132	101.5	95.7	
C2		6.7				68.8				69.0				19.6				146			
D2		5.7				69.9				71.5				21.7				130			
E2	7.5	7.6	98.7	125.0	69.4	69.4	100.0	101.2	69.6	69.5	100.1	100.4	20.9	20.8	100.5	106.6	142	139	102.2	101.4	
F2	6.0	5.9	101.7	100.0	67.6	68.5	98.7	98.5	69.0	69.9	98.7	99.6	20.9	20.4	102.4	106.6	141	137	102.9	100.7	
I2	7.0	7.2	97.2	116.7	68.9	68.5	100.6	100.4	69.5	69.0	100.7	100.3	20.4	20.9	97.6	104.1	137	136	100.7	97.8	
M2	5.5	5.3	103.8	91.7	70.9	70.1	101.1	103.4	71.1	70.3	101.1	102.6	19.9	19.6	101.5	101.5	139	139	100.0	99.3	
N2	6.7	6.8	98.5	111.7	68.7	68.6	100.1	100.1	69.5	69.3	100.3	100.3	19.3	19.4	99.5	98.5	150	147	102.0	107.1	
P2	5.3	6.9	76.8	88.3	69.7	69.1	100.9	101.6	71.6	69.8	102.6	103.3	20.7	19.2	107.8	105.6	131	138	94.9	93.6	
Q2	5.4	6.3	85.7	90.0	68.7	68.3	100.6	100.1	70.5	69.4	101.6	101.7	20.4	20.0	102.0	104.1	132	132	100.0	94.3	
S2	5.7	6.2	91.9	95.0	68.3	68.4	99.8	99.6	68.6	68.6	100.0	99.0	20.2	19.8	102.0	103.1	141	142	99.3	100.7	
T2		6.2				69.4				69.6				20.5				146			
V2	5.6	5.6	100.0	93.3	69.2	69.3	99.8	100.9	69.4	69.5	99.8	100.1	19.6	20.3	96.6	100.0	141	139	101.4	100.7	
W2	4.9	5.2	94.2	81.7	67.8	68.2	99.4	98.8	69.9	70.1	99.7	100.9	18.8	18.7	100.5	95.9	138	137	100.7	98.6	
X2	6.9	6.9	100.0	115.0	68.6	68.8	99.7	100.0	69.3	69.5	99.7	100.0	21.6	20.8	103.8	110.2	143	137	104.4	102.1	
Z2	4.1	4.8	85.4	68.3	66.7	67.0	99.6	97.2	69.4	69.2	100.3	100.1	20.7	19.7	105.1	105.6	138	138	100.0	98.6	
A3	5.6	5.7	98.2	93.3	68.8	68.9	99.8	100.3	69.0	69.1	99.8	99.6	19.0	19.0	100.0	96.9	145	141	102.8	103.6	
B3	4.7	4.9	95.9	78.3	69.8	69.2	100.9	101.7	70.0	69.4	100.9	101.0	18.2	18.3	99.4	92.8	144	138	104.3	102.8	
FKI DATA																					
CUR.																					
AV.		5.7				68.6				69.7				19.6				143			
CUM.																					
AV.		6.0				68.6				69.3				19.6				140			
IND.																					
*D		95.0				100.0				100.6				100.0				102.1			

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, 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	7.6	7.6	100.0	122.6	90.9	90.4	100.6	101.7	91.1	90.6	100.6	100.7	22.8	24.1	94.6	89.8	198	173	114.4	118.6
B1		6.2				89.6				91.2				25.4				158		
F1	7.1	7.3	97.3	114.5	90.3	90.5	99.8	101.0	91.0	91.0	100.0	100.6	25.9	26.3	98.5	102.0	168	170	98.8	100.6
H1	2.8	4.1	68.3	45.2	87.4	87.9	99.4	97.8	92.1	91.4	100.8	101.8	26.5	26.0	101.9	104.3	174	179	97.2	104.2
J1	1.8	3.8	47.4	29.0	86.3	87.5	98.6	96.5	91.9	91.2	100.8	101.5	25.1	25.8	97.3	98.8	176	176	100.0	105.4
Q1	4.9	5.5	89.1	79.0	89.2	89.0	100.2	99.8	92.0	91.2	100.9	101.6	25.5	24.7	103.2	100.4	172	165	104.2	103.0
T1	7.7	7.9	97.5	124.2	90.6	90.4	100.2	101.3	90.7	90.3	100.4	100.2	25.0	24.7	101.2	98.4	166	167	99.4	99.4
U1	6.1	5.8	105.2	98.4	90.8	90.7	100.1	101.6	91.1	91.0	100.1	100.7	26.8	27.0	99.2	105.5	169	170	99.4	101.2
W1	5.8	5.6	103.6	93.5	89.9	88.5	101.6	100.6	91.9	90.6	101.4	101.5	26.5	26.4	100.4	104.3	164	164	100.0	98.2
Y1	7.8	8.2	95.1	125.8	89.3	89.7	99.6	99.9	89.3	89.4	99.9	98.7	24.0	24.3	98.8	94.5	166	163	101.8	99.4
Z1	6.8	7.3	93.2	109.7	89.9	89.3	100.7	100.6	90.9	89.8	101.2	100.4	25.4	25.7	98.8	100.0	172	172	100.0	103.0
A2	6.7	6.4	104.7	108.1	90.2	89.1	101.2	100.9	91.3	90.4	101.0	100.9	24.8	24.9	99.6	97.6	163	163	100.0	97.6
C2	6.3	6.8	92.6	101.6	90.7	90.1	100.7	101.4	91.0	90.4	100.7	100.6	26.8	26.1	102.7	105.5	176	175	100.6	105.4
L2		7.0				89.2				90.0				25.6				152		
N2	5.9	6.9	85.5	95.2	88.7	89.4	99.2	99.2	90.6	90.3	100.3	100.1	24.6	25.2	97.6	96.8	184	175	105.1	110.2
Z2		4.8				87.1				90.0				25.6				159		
A3	5.8	5.8	100.0	93.5	90.0	89.7	100.3	100.7	90.3	90.0	100.3	99.8	23.7	24.7	96.0	93.3	161	168	95.8	96.4
B3	4.0	4.9	81.6	64.5	90.7	90.3	100.4	101.4	91.0	90.6	100.4	100.6	24.4	24.4	100.0	96.1	165	160	103.1	98.8
FKI DATA																				
CUR.																				
AV. 5.8																				
CUM.																				
AV. 6.2																				
IND. *D 93.5																				
100.3																				
100.7																				
99.2																				
103.0																				

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, 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	7.6	82.9	101.6	89.9	90.4	99.4	100.6	91.3	90.6	100.8	100.8	23.0	23.9	96.2	90.9	182	176	103.4	108.3
B1	6.2	6.2	100.0	100.0	89.3	89.6	99.7	99.9	90.8	91.2	99.6	100.2	25.5	25.4	100.4	100.8	162	158	102.5	96.4
F1	7.3	7.2	101.4	117.7	90.5	90.4	100.1	101.2	91.0	91.0	100.0	100.4	25.1	26.3	95.4	99.2	173	170	101.8	103.0
H1		3.8				87.8				91.6				26.1				178		
J1		3.6				87.4				91.3				25.7				176		
Q1	4.9	5.4	90.7	79.0	89.6	89.1	100.6	100.2	92.4	91.4	101.1	102.0	25.4	24.8	102.4	100.4	167	166	100.6	99.4
T1	7.6	7.9	96.2	122.6	90.7	90.5	100.2	101.4	90.9	90.4	100.6	100.3	25.1	24.8	101.2	99.2	169	166	101.8	100.6
U1	6.2	5.9	105.1	100.0	90.5	90.7	99.8	101.2	90.8	91.0	99.8	100.2	27.0	27.0	100.0	106.7	172	170	101.2	102.4
W1	5.2	5.6	92.8	83.9	88.9	88.5	100.4	99.4	91.4	90.6	100.9	100.9	26.0	26.4	98.5	102.8	168	164	102.4	100.0
Y1		8.2				89.6				89.3				24.2				163		
Z1	7.6	7.2	105.6	122.6	89.6	89.4	100.2	100.2	89.8	90.0	99.8	99.1	25.3	25.6	98.8	100.0	175	171	102.3	104.2
A2	6.8	6.4	106.2	109.7	90.3	89.2	101.2	101.0	91.3	90.5	100.9	100.8		25.0			165	162	101.8	98.2
C2	6.9	6.6	104.5	111.3	90.2	90.4	99.8	100.9	90.5	90.7	99.8	99.9	27.6	26.2	105.3	109.1	180	176	102.3	107.1
L2		7.0				89.2				90.0				25.6				152		
M2	6.6	6.8	97.0	106.4	89.2	89.4	99.8	99.8	90.4	90.3	100.1	99.8	24.8	25.1	98.8	98.0	182	176	103.4	108.3
Z2	4.5	4.8	93.8	72.6	87.1	87.0	100.1	97.4	90.2	89.9	100.3	99.6	27.2	25.6	106.2	107.5	163	160	101.9	97.0
A3	5.9	5.8	101.7	95.2	90.0	89.8	100.2	100.7	90.3	90.1	100.2	99.7	25.7	24.6	104.5	101.6	171	167	102.4	101.8
B3		4.7				90.4				90.7				24.3				161		
FKI DATA																				
CUR.																				
AV. 6.3																				
CUM.																				
AV. 6.2																				
IND.																				
*D 101.6																				
100.3																				
100.2																				
101.2																				
101.8																				

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, 1975

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

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R. C. McKee / jjs

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

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

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

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

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

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

^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.