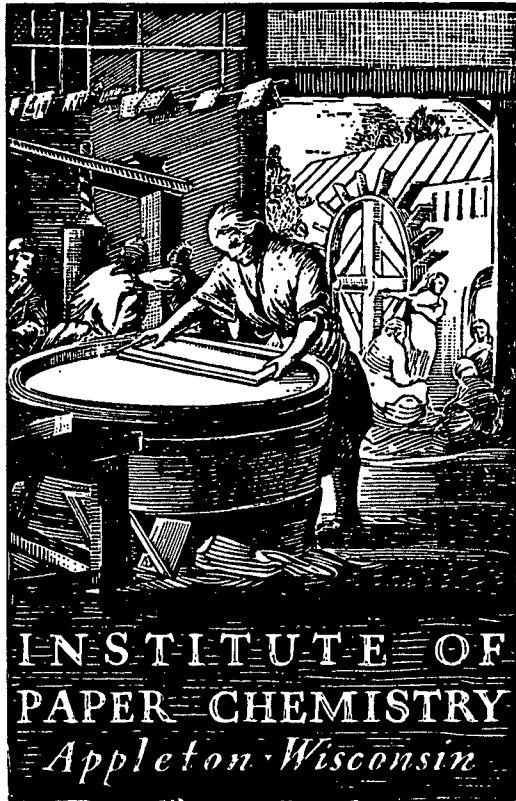


BASE-LINE
MAY-JUNE, 1974



CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR MAY AND JUNE, 1974)

Project 2694-1

Report Forty-Five

A Progress Report

to

FOURDRINIER KRAFT BOARD INSTITUTE, INC.

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

August 21, 1974

BASE-LINE
MAY-JUNE, 1974

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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(MILL LINERBOARD DATA FOR MAY AND JUNE, 1974)

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR MAY AND JUNE, 1974)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(MARCH-JUNE, 1974)

Linerboard Grade Wt.		Moisture Content			
		March	April	May	June
26 Lb	Max. ^a	6.7	6.4	6.0	5.8
	Min. ^a	2.7	1.6	0.3	1.5
	Av. ^b	4.8 (14)	4.6 (17)	4.3 (14)	4.4 (17)
33 Lb	Max. ^a	6.7	6.8	6.4	6.5
	Min. ^a	1.4	1.8	1.8	1.9
	Av. ^b	4.7 (26)	4.7 (23)	4.6 (25)	4.6 (24)
38 Lb	Max. ^a	7.0	7.2	7.2	7.2
	Min. ^a	3.8	2.7	2.5	2.6
	Av. ^b	5.4 (21)	5.2 (21)	5.0 (23)	5.1 (26)
42 Lb	Max. ^a	7.4	7.5	7.4	7.4
	Min. ^a	2.7	2.8	3.2	3.1
	Av. ^b	5.3 (38)	5.3 (39)	5.3 (36)	5.2 (39)
69 Lb	Max. ^a	8.9	9.0	8.7	8.8
	Min. ^a	3.7	3.7	3.9	3.6
	Av. ^b	6.1 (30)	6.2 (32)	6.2 (29)	6.2 (34)
90 Lb	Max. ^a	8.3	8.2	8.4	8.8
	Min. ^a	4.3	4.1	4.1	3.5
	Av. ^b	6.4 (13)	6.4 (15)	6.3 (14)	6.5 (15)

^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, 1974)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft ²			
		March	April	May	June
26 Lb	Max. ^a	27.0	26.7	26.9	27.5
	Min. ^a	25.8	25.7	25.8	25.9
	Av. ^b	26.4 (14)	26.3 (17)	26.3 (14)	26.4 (17)
33 Lb	Max. ^a	34.8	34.2	35.0	35.1
	Min. ^a	32.8	32.4	32.8	32.8
	Av. ^b	33.4 (26)	33.3 (23)	33.4 (25)	33.5 (24)
38 Lb	Max. ^a	39.6	39.4	39.2	39.4
	Min. ^a	37.6	37.8	38.0	37.5
	Av. ^b	38.3 (21)	38.4 (21)	38.4 (23)	38.4 (26)
42 Lb	Max. ^a	44.0	44.8	44.8	44.6
	Min. ^a	41.5	41.6	41.7	41.7
	Av. ^b	42.4 (38)	42.4 (39)	42.4 (36)	42.4 (39)
69 Lb	Max. ^a	70.6	71.2	70.5	71.8
	Min. ^a	67.8	67.6	67.8	67.8
	Av. ^b	69.3 (30)	69.4 (32)	69.4 (29)	69.4 (34)
90 Lb	Max. ^a	91.1	91.1	91.2	91.4
	Min. ^a	89.2	89.2	89.9	88.6
	Av. ^b	90.4 (13)	90.5 (15)	90.5 (14)	90.4 (15)

^aCurrent machine average.

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

PART III: SUMMARY OF CALIPER DATA
 (MARCH-JUNE, 1974)

Linerboard Grade Wt.		Caliper, pt.			
		March	April	May	June
26 Lb	Max. ^a	8.6	8.6	8.4	8.9
	Min. ^a	7.2	6.6	7.2	7.3
	Av. ^b	7.8 (14)	7.8 (17)	7.8 (13)	7.9 (16)
33 Lb	Max. ^a	10.8	10.3	10.7	10.8
	Min. ^a	8.6	9.0	8.6	8.6
	Av. ^b	9.8 (25)	9.8 (22)	9.9 (24)	9.8 (23)
38 Lb	Max. ^a	12.0	11.9	12.1	11.8
	Min. ^a	10.1	9.9	9.7	9.7
	Av. ^b	11.0 (20)	10.9 (20)	10.9 (22)	10.8 (25)
42 Lb	Max. ^a	13.1	13.3	13.4	14.4
	Min. ^a	10.8	10.7	11.0	10.9
	Av. ^b	12.0 (37)	12.0 (38)	12.0 (35)	12.0 (38)
69 Lb	Max. ^a	21.3	21.2	21.0	22.8
	Min. ^a	17.1	17.8	17.3	17.4
	Av. ^b	19.6 (29)	19.6 (31)	19.5 (28)	19.6 (33)
90 Lb	Max. ^a	26.9	26.6	26.8	27.2
	Min. ^a	24.0	23.2	23.8	23.8
	Av. ^b	25.6 (13)	25.3 (15)	25.6 (14)	25.7 (15)

^aCurrent machine average.

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

PART IV: SUMMARY OF BURSTING STRENGTH DATA
 (MARCH-JUNE, 1974)

Linerboard Grade Wt.		Bursting Strength, psig			
		March	April	May	June
26 Lb	Max. ^a	86	78	82	81
	Min. ^a	63	64	63	61
	Av. ^b	72 (14)	71 (17)	70 (14)	71 (17)
33 Lb	Max. ^a	115	99	96	98
	Min. ^a	75	72	72	75
	Av. ^b	87 (26)	84 (23)	85 (25)	87 (24)
38 Lb	Max. ^a	112	109	107	119
	Min. ^a	86	87	88	87
	Av. ^b	95 (21)	95 (21)	95 (23)	96 (26)
42 Lb	Max. ^a	117	118	110	113
	Min. ^a	95	95	96	95
	Av. ^b	103 (38)	104 (39)	103 (36)	103 (39)
69 Lb	Max. ^a	162	152	153	148
	Min. ^a	132	132	128	127
	Av. ^b	140 (30)	140 (32)	139 (29)	140 (34)
90 Lb	Max. ^a	179	182	175	177
	Min. ^a	155	156	152	155
	Av. ^b	168 (13)	168 (15)	165 (14)	168 (15)

^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, 1974

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		3.9				26.3				26.4				8.0				78		
B1		5.2				26.4				26.5				8.4				68		
F1	4.2	4.3	97.7	93.3	25.9	25.9	100.0	100.8	26.9	26.9	100.0	101.9	8.1	7.8	103.8	101.2	74	72	102.8	104.2
H1	4.0	3.8	105.3	88.9	25.1	25.1	100.0	97.7	26.1	26.2	99.6	98.9	7.3	7.6	96.0	91.2	75	76	98.7	105.6
I1		5.7				26.8				27.4				8.9				72		
K1	5.5	5.1	107.8	122.2	26.0	26.0	100.0	101.2	26.6	26.7	99.6	100.8	8.2	8.7	94.2	102.5	71	68	104.4	100.0
L1	4.4	4.8	91.7	97.8	25.5	25.5	100.0	99.2	26.4	26.4	100.0	100.0	7.6	7.6	100.0	95.0	65	66	98.5	91.5
M1	6.0	5.6	107.1	133.3	26.1	25.6	102.0	101.6	26.3	25.9	101.5	99.6	7.2	7.2	100.0	90.0	73	79	92.4	102.8
O1	5.1	5.2	98.1	113.3	25.7	25.7	100.0	100.0	25.8	25.8	100.0	97.7	8.0	8.0	100.0	100.0	71	75	94.7	100.0
P1	6.0	6.2	96.8	133.3	26.1	26.1	100.0	101.6	26.2	26.2	100.0	99.2					67	67	100.0	94.4
R1		1.0				25.3				27.2				8.5				60		
S1	2.2	1.7	129.4	48.9	25.1	24.5	102.4	97.7	26.6	26.1	101.9	100.8	7.3	6.9	105.8	91.2	82	79	103.8	115.5
W1	5.6	5.8	96.6	124.4	26.0	26.0	100.0	101.2	26.6	26.6	100.0	100.8	8.4	8.6	97.7	105.0	72	78	92.3	101.4
X1		6.6				25.7				26.0				7.8				77		
Y1		3.2				26.4				26.5				8.6				67		
A2	5.1	5.1	100.0	113.3	25.1	25.5	98.4	97.7	25.8	26.2	98.5	97.7	7.6	7.8	97.4	95.0	70	67	104.5	98.6
C2		6.3				25.5				25.9				7.9				73		
E2		4.4				25.4				26.4				7.9				66		
F2		4.9				25.8				26.6				7.5				70		
H2	5.0	5.1	98.0	111.1	25.4	25.6	99.2	98.8	26.2	26.4	99.2	99.2	7.9	7.8	101.3	98.8	65	67	97.0	91.5
I2		3.0				24.9				26.2				7.7				81		
J2		4.8				26.4				26.4				8.4				64		
N2	5.0	4.6	108.7	111.1	25.6	25.5	100.4	99.6	26.4	26.4	100.0	100.0	7.9	7.5	105.3	98.8	68	69	98.6	95.8
J2		4.3				26.5				26.9				7.5				67		
P2		2.5				25.3				26.7				7.2				83		
T2	0.3	0.7	42.8	6.7	24.5	24.6	99.6	95.3	26.5	26.5	100.0	100.4	8.1	7.9	102.5	101.2	63	67	94.0	88.7
W2	2.3	2.6	88.5	51.1	24.9	25.1	99.2	96.9	26.4	26.5	99.6	100.0	7.9	8.5	92.9	98.8	71	73	97.3	100.0
Y2		5.8				25.7				26.2				7.6				67		
D3		4.4				26.0				27.0				7.8				65		
FKI DATA																				
CUR.																				
AV. 4.3																				
CUM.																				
AV. 4.5																				
IND.																				
#D 95.6																				

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, 1974

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			3.9				26.3				26.4				8.0					78
B1			5.2				26.4				26.5				8.4					68
F1	4.7	4.3	109.3	104.4	25.8	25.9	99.6	100.8	26.7	26.8	99.6	101.1	8.0	7.8	102.6	100.0	73	72	101.4	102.8
H1	3.8	3.8	100.0	84.4	25.1	25.1	100.0	98.0	26.2	26.2	100.0	99.2	7.5	7.6	98.7	93.8	76	76	100.0	107.0
I1			5.7				26.8				27.4				8.9					72
K1	5.2	5.1	102.0	115.6	25.9	25.9	100.0	101.2	26.6	26.7	99.6	100.8	8.9	8.6	103.5	111.2	74	68	108.8	104.2
L1	4.9	4.6	106.5	108.9	25.6	25.5	100.4	100.0	26.4	26.4	100.0	100.0	7.5	7.6	98.7	93.8	66	66	100.0	93.0
M1			5.7				25.7				26.0				7.2					78
O1	5.1	5.2	98.1	113.3	25.8	25.7	100.4	100.8	25.9	25.8	100.4	98.1	8.3	8.0	103.8	103.8	72	75	96.0	101.4
P1	5.8	6.2	93.5	128.9	26.0	26.1	99.6	101.6	26.1	26.2	99.6	98.9					68	67	101.5	95.8
R1			1.0				25.3				27.2				8.5					60
S1	1.5	2.0	75.0	33.3	24.6	24.8	99.2	96.1	26.3	26.4	99.6	99.6	7.5	7.1	105.6	93.8	80	80	100.0	112.7
W1	5.8	5.7	101.8	128.9	26.0	26.0	100.0	101.6	26.6	26.6	100.0	100.8	8.7	8.5	102.4	108.8	76	77	98.7	107.0
X1			6.6				25.7				26.0				7.8					77
Y1	2.9	3.3	87.9	64.4	27.3	26.5	103.0	106.6	27.4	26.6	103.0	103.8	8.2	8.7	94.2	102.5	67	67	100.0	94.4
A2	5.0	5.1	98.0	111.1	25.3	25.5	99.2	98.8	26.1	26.2	99.6	98.9	7.6	7.8	97.4	95.0	70	67	104.5	98.6
C2			6.3				25.5				25.9				7.9					73
E2	4.5	4.4	102.3	100.0	26.5	25.4	104.3	103.5	27.5	26.4	104.2	104.2	8.0	7.9	101.3	100.0	61	66	92.4	85.9
F2			4.9				25.8				26.6				7.5					70
H2	4.8	5.0	96.0	106.7	25.4	25.6	99.2	99.2	26.2	26.3	99.6	99.2	7.8	7.8	100.0	97.5	67	66	101.5	94.4
I2	4.1	3.0	136.7	91.1	25.1	24.9	100.8	98.0	26.1	26.3	99.2	98.9	7.7	7.7	100.0	96.2	81	81	100.0	114.1
J2			4.8				26.4				26.4				8.4					64
N2	5.1	4.7	108.5	113.3	25.6	25.5	100.4	100.0	26.3	26.4	99.6	99.6	8.2	7.5	109.3	102.5	67	69	97.1	94.4
O2	3.9	4.3	90.7	86.7	26.0	26.4	98.5	101.6	26.4	26.8	98.5	100.0	7.3	7.5	97.3	91.2	64	67	95.5	90.1
P2			2.5				25.3				26.7				7.2					83
T2			0.6				24.6				26.5				7.9					67
W2	2.2	2.6	84.6	48.9	24.8	25.0	99.2	96.9	26.3	26.5	99.2	99.6	7.8	8.4	92.6	97.5	73	72	101.4	102.8
Y2	5.7	5.8	98.3	126.7	25.3	25.7	98.4	98.8	25.9	26.2	98.8	98.1	7.3	7.6	96.0	91.2	71	67	106.0	100.0
D3			4.4				26.0				27.0				7.8					65
FKI DATA																				
CUR.																				
AV. 4.4																				
CUM.																				
AV. 4.5																				
IND.																				
*D 97.8																				
100.0																				
100.0																				
98.8																				
100.0																				

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, 1974

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	4.4	4.6	95.6	97.8	33.3	33.3	100.0	102.1	33.4	33.4	100.0	100.0	10.3	9.9	104.0	105.1	96	95	101.0	111.6
B1		5.0				33.0				33.1				10.2				81		
D1	5.8	5.3	109.4	128.9	33.3	33.1	100.6	102.1	33.4	33.2	100.6	100.0	10.0	10.2	98.0	102.0	85	84	101.2	98.8
F1	4.6	4.7	97.9	102.2	32.7	32.8	99.7	100.3	33.8	33.9	99.7	101.2	10.1	9.6	105.2	103.1	86	86	100.0	100.0
H1	3.5	4.2	83.3	77.8	31.7	31.8	99.7	97.2	33.2	33.0	100.6	99.4	8.6	8.8	97.7	87.8	96	94	102.1	111.6
I1		5.8				33.0				33.7				10.2				85		
J1	1.8	2.2	81.8	40.0	32.1	31.9	100.6	98.5	34.2	33.8	101.2	102.4	10.5	9.7	108.2	107.1	85	86	98.8	98.8
K1	5.5			122.2	33.1			101.5	33.9			101.5	9.8			100.0	90			104.6
L1	5.1	5.1	100.0	113.3	32.4	32.5	99.7	99.4	33.3	33.4	99.7	99.7	10.1	10.1	100.0	103.1	80	80	100.0	93.0
N1	5.7	5.7	100.0	126.7	32.9	32.9	100.0	100.9	33.1	33.5	98.8	99.1	9.2	9.4	97.9	93.9	91	96	94.8	105.8
O1	5.4	5.2	103.8	120.0	32.6	32.6	100.0	100.0	32.8	32.8	100.0	98.2	10.0	9.9	101.0	102.0	86	92	93.5	100.0
R1		4.4				32.4				33.6				9.4				83		
S1	2.1	2.5	84.0	46.7	31.3	31.5	99.4	96.0	33.2	33.3	99.7	99.4	9.3	9.4	98.9	94.9	92	86	107.0	107.0
U1		4.7				33.4				34.6				9.7				88		
W1	6.4	6.4	100.0	142.2	33.0	33.0	100.0	101.2	33.5	33.5	100.0	100.3	10.5	10.6	99.0	107.1	86	92	93.5	100.0
X1		6.6				32.6				32.9				9.8				94		
Y1	3.2	4.0	80.0	71.1	33.0	33.0	100.0	101.2	33.2	33.2	100.0	99.4	10.2	10.5	97.1	104.1	78	79	98.7	90.7
A2	5.1	5.1	100.0	113.3	32.7	32.5	100.6	100.3	33.6	33.5	100.3	100.6	10.1	10.0	101.0	103.1	82	83	98.8	95.3
E2	4.1	4.6	89.1	91.1	33.7	33.0	102.1	103.4	35.0	34.1	102.6	104.8	10.7	10.1	105.9	109.2	76	79	96.2	88.4
F2	5.5	5.4	101.8	122.2	32.4	32.7	99.1	99.4	33.2	33.6	98.8	99.4	9.9	10.0	99.0	101.0	85	81	104.9	98.8
G2	3.9	4.4	88.6	86.7	32.7	33.1	98.8	100.3	33.0	33.4	98.8	98.8	9.6	9.8	98.0	98.0	79	80	98.8	91.9
H2	4.7	5.2	90.4	104.4	31.9	32.3	98.8	97.8	33.0	33.2	99.4	98.8	9.5	9.6	99.0	96.9	72	78	92.3	83.7
I2	6.3	4.2	150.0	140.0	32.5	32.1	101.2	99.7	33.0	33.3	99.1	98.8	9.5	9.6	99.0	96.9	90	95	94.7	104.6
J2		3.9				33.8				33.9				10.4				88		
K2		4.9				32.6				33.6				10.2				80		
L2	4.2	4.1	102.4	93.3	33.1	33.3	99.4	101.5	33.2	33.4	99.4	99.4	10.1	10.2	99.0	103.1	91	92	98.9	105.8
N2	5.1	4.9	104.1	113.3	32.6	32.5	100.3	100.0	33.5	33.5	100.0	100.3	10.1	9.9	102.0	103.1	81	81	100.0	94.2
S2	5.8	5.8	100.0	128.9	33.0	33.2	99.4	101.2	33.1	33.2	99.7	99.1					81	84	96.4	94.2
T2	2.0	2.2	90.9	44.4	31.4	31.5	99.7	96.3	33.4	33.4	100.0	100.0	10.4	10.1	103.0	106.1	84	86	97.7	97.7
W2	2.9	2.4	120.8	64.4	31.8	31.7	100.3	97.5	33.5	33.6	99.7	100.3	9.8	10.2	96.1	100.0	82	86	95.3	95.3
Y2	5.6	5.8	96.6	124.4	32.4	32.5	99.7	99.4	33.2	33.2	100.0	99.4	9.6	9.4	102.1	98.0	82	80	102.5	95.3
Z2		4.2				33.0				33.4				10.0				95		
A3		1.2				31.2				33.4				10.0				85		
B3		4.5				32.5				33.7				9.1				89		
D3	5.2	4.7	110.6	115.6	32.8	33.0	99.4	100.6	33.7	34.1	98.8	100.9	8.7	9.7	89.7	88.8	89	84	106.0	103.5
FKI DATA																				
CUR. AV.	4.6				32.6				33.4				9.8				85			
CUM. AV.	4.5				32.6				33.4				9.8				86			
IND. *D	102.2				100.0				100.0				100.0				98.8			

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, 1974

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	4.6	4.6	100.0	102.2	33.7	33.3	101.2	103.4	33.8	33.4	101.2	101.2	10.4	9.9	105.0	106.1	85	96	88.5	98.8
B1		5.0				33.0				33.1				10.2				81		
D1	5.2	5.4	96.3	115.6	33.3	33.2	100.3	102.1	33.4	33.3	100.3	100.0	9.9	10.2	97.0	101.0	89	84	106.0	103.5
E1	5.4			120.0	33.3			102.1	33.4			100.0		9.3		94.9		91		105.8
F1	4.1	4.7	87.2	91.1	32.8	32.8	100.0	100.6	34.1	33.9	100.6	102.1	9.9	9.6	103.1	101.0	87	86	101.2	101.2
H1	4.1	4.2	97.6	91.1	32.1	31.8	100.9	98.5	33.4	33.1	100.9	100.0	8.9	8.8	101.1	90.8	95	94	101.1	110.5
I1		5.8				33.0				33.7				10.2				84		
J1		1.9				31.8				33.9				9.8				85		
K1		5.5				33.1				33.9				9.8				90		
L1	5.0	5.0	100.0	111.1	32.5	32.5	100.0	99.7	33.5	33.4	100.3	100.3	9.8	10.0	98.0	100.0	80	80	100.0	93.0
N1	5.3	5.7	93.0	117.8	32.7	32.9	99.4	100.3	33.6	33.4	100.6	100.6	8.6	9.4	91.5	87.8	94	95	98.9	109.3
O1	5.4	5.3	101.9	120.0	32.6	32.6	100.0	100.0	32.8	32.8	100.0	98.2	9.8	9.9	99.0	100.0	86	92	93.5	100.0
R1		4.4				32.4				33.6				9.4				83		
S1	2.4	2.5	96.0	53.3	31.9	31.5	101.3	97.8	33.8	33.3	101.5	101.2	9.5	9.4	101.1	96.9	94	85	110.6	109.3
U1	4.7	4.7	100.0	104.4	33.8	33.4	101.2	103.7	34.9	34.6	100.9	104.5	9.8	9.7	101.0	100.0	89	88	101.1	103.5
W1	6.5	6.4	101.6	144.4	33.0	33.0	100.0	101.2	33.5	33.5	100.0	100.3	10.8	10.6	101.9	110.2	95	89	106.7	110.5
X1		6.6				32.6				32.9				9.8				94		
Y1	4.0	4.0	100.0	88.9	33.0	33.0	100.0	101.2	33.2	33.2	100.0	99.4	10.1	10.5	96.2	103.1	75	78	96.2	87.2
A2	5.0	5.1	98.0	111.1	32.1	32.6	98.5	98.5	33.1	33.5	98.8	99.1	10.1	10.0	101.0	103.1	85	83	102.4	98.8
E2	4.8	4.6	104.3	106.7	34.0	33.1	102.7	104.3	35.1	34.2	102.6	105.1	10.8	10.2	105.9	110.2	78	79	98.7	90.7
F2	5.5	5.4	101.8	122.2	32.5	32.7	99.4	99.7	33.3	33.5	99.4	99.7	10.2	10.1	101.0	104.1	81	81	100.0	94.2
G2	4.3	4.3	100.0	95.6	33.0	33.0	100.0	101.2	33.3	33.4	99.7	99.7	9.3	9.8	94.9	94.9	78	80	97.5	90.7
H2	4.4	5.1	86.3	97.8	31.9	32.2	99.1	97.8	33.1	33.2	99.7	99.1	9.6	9.6	100.0	98.0	78	77	101.3	90.7
I2	5.0	4.4	113.6	111.1	32.3	32.1	100.6	99.1	33.3	33.3	100.0	99.7	9.7	9.6	101.0	99.0	98	94	104.2	114.0
J2		3.9				33.8				33.9				10.4				88		
K2		4.9				32.6				33.6				10.2				80		
L2	4.0	4.1	97.6	88.9	33.1	33.2	99.7	101.5	33.2	33.3	99.7	99.4	10.3	10.2	101.0	105.1	97	92	105.4	112.8
N2	5.0	4.9	102.0	111.1	32.7	32.5	100.6	100.3	33.7	33.5	100.6	100.9	10.2	9.9	103.0	104.1	80	81	98.8	93.0
S2	5.7	5.8	98.3	126.7	33.1	33.1	100.0	101.5	33.2	33.2	100.0	99.4					81	84	96.4	94.2
T2	1.9	2.2	86.4	42.2	31.5	31.5	100.0	96.6	33.5	33.4	100.3	100.3	10.2	10.2	100.0	104.1	83	86	96.5	96.5
W2	2.2	2.5	88.0	48.9	31.1	31.7	98.1	95.4	33.0	33.5	98.5	98.8	9.8	10.2	96.1	100.0	86	85	101.2	100.0
Y2		5.8				32.4				33.1				9.4				80		
Z2		4.3				33.1				33.3				10.0				94		
A3		1.2				31.2				33.4				10.0				85		
E3		4.5				32.5				33.7				9.1				89		
O3	5.7	4.8	118.8	126.7	33.0	33.0	100.0	101.2	33.8	34.0	99.4	101.2	8.6	9.6	89.6	87.8	95	84	113.1	110.5
FKI DATA																				
CUR.																				
AV. 4.6																				
CUM.																				
AV. 4.5																				
IND.																				
*D 102.2																				
100.3																				
100.3																				
100.0																				
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
MAY, 1974

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ACJ. BASIS WT.,*A LB / M SC 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			38.1				38.2				10.9				106			
B1		5.4			38.2				38.3				11.5				94			
C1		5.3			37.7				38.8				10.4				97			
D1	6.1	5.3	115.1	119.6	38.2	38.1	100.3	101.3	38.3	38.2	100.3	99.7	11.6	11.5	100.9	105.4	92	94	97.9	95.8
E1	5.6	5.6	100.0	109.8	37.9	38.0	99.7	100.5	38.0	38.1	99.7	99.0	10.2	10.2	100.0	92.7	98	95	103.2	102.1
F1	5.2	5.6	92.8	102.0	37.6	37.8	99.5	99.7	38.7	38.7	100.0	100.8	11.3	10.9	103.7	102.7	97	96	101.0	101.0
G1	6.1	5.8	105.2	119.6	37.6	37.7	99.7	99.7	38.3	38.5	99.5	99.7	11.5	11.2	102.7	104.5	92	92	100.0	95.8
H1	4.1	4.3	95.3	80.4	36.8	36.7	100.3	97.6	38.3	38.1	100.5	99.7	9.8	10.2	96.1	89.1	104	103	101.0	108.3
I1		5.9			38.3				39.1				11.8				96			
J1		4.0			37.2				38.7				10.6				102			
K1		5.2			37.8				38.8				11.6				98			
L1	4.2	5.0	84.0	82.4	37.1	37.3	99.5	98.4	38.5	38.4	100.3	100.3	11.2	11.6	96.6	101.8	90	90	100.0	93.8
M1		6.0			37.8				38.5				11.1				97			
Q1	5.8	5.8	100.0	113.7	37.8	37.6	100.5	100.3	38.0	37.8	100.5	99.0	12.1	11.6	104.3	110.0	94	102	92.2	97.9
Q1		4.2			37.4				38.8								102			
S1	4.4	3.3	133.3	86.3	36.9	36.5	101.1	97.9	38.3	38.3	100.0	99.7	11.0	10.8	101.8	100.0	104	95	109.5	108.3
T1	6.3	5.0	126.0	123.5	38.1	38.3	99.5	101.1	38.7	39.5	98.0	100.8	10.0	10.2	98.0	90.9	88	92	95.6	91.7
U1		5.3			38.4				39.4				10.5				93			
Y1	4.0	4.4	90.9	78.4	38.1	37.9	100.5	101.1	38.3	38.1	100.5	99.7	11.2	11.3	99.1	101.8	88	89	98.9	91.7
B2		3.5			36.8				38.5				10.7				84			
D2	6.7	6.6	101.5	131.4	37.5	37.5	100.0	99.5	38.0	38.0	100.0	99.0	10.5	10.6	99.0	95.4	88	87	101.1	91.7
F2	7.2	6.8	105.9	141.2	37.7	38.0	99.2	100.0	38.0	38.4	99.0	99.0	11.8	11.5	102.6	107.3	90	90	100.0	93.8
G2	4.0	4.6	87.0	78.4	38.5	38.1	101.0	102.1	38.8	38.4	101.0	101.0	11.3	11.5	98.3	102.7	92	86	107.0	95.8
I2	5.4	5.4	100.0	105.9	37.2	37.4	99.5	98.7	38.2	38.4	99.5	99.5	9.9	10.2	97.0	90.0	103	109	94.5	107.3
J2		5.9			38.4				38.5				11.6				98			
L2	5.0	4.7	106.4	98.0	38.2	38.3	99.7	101.3	38.3	38.4	99.7	99.7	11.7	11.6	100.9	106.4	95	100	95.0	99.0
M2	4.5	4.4	102.3	88.2	38.1	38.2	99.7	101.1	38.2	38.4	99.5	99.5	10.9	10.7	101.9	99.1	89	102	87.2	92.7
N2	5.1	4.9	104.1	100.0	37.5	37.4	100.3	99.5	38.6	38.6	100.0	100.5	11.4	11.4	100.0	103.6	94	93	101.1	97.9
P2	3.1	3.4	91.2	60.8	36.3	36.4	99.7	96.3	38.2	38.1	100.3	99.5	10.7	10.7	100.0	97.3	104	94	110.6	108.3
Q2	4.4	5.5	80.0	86.3	37.8	37.8	100.0	100.3	39.2	38.7	101.3	102.1	10.3	11.0	93.6	93.6	107	93	115.0	111.4
S2	5.7	5.7	100.0	111.8	38.0	38.1	99.7	100.8	38.1	38.2	99.7	99.2					90	93	96.8	93.8
W2	3.9	3.1	125.8	76.5	36.6	36.8	99.4	97.1	38.1	38.7	98.4	99.2	10.7	10.9	98.2	97.3	100	98	102.0	104.2
X2		5.5			37.4				38.3				10.6				114			
Z2		4.5			38.1				38.4				11.3				103			
A3	2.5	3.1	80.6	49.0	36.3	36.4	99.7	96.3	38.4	38.3	100.3	100.0	11.5	11.5	100.0	104.5	93	94	98.9	96.9
D3	5.4	5.0	108.0	105.9	38.1	38.0	100.3	101.1	39.1	39.2	99.7	101.8	9.7	10.9	89.0	88.2	101	96	105.2	105.2
FKI DATA																				
CUR.																				
AV.	5.0				37.6				38.4				10.9				95			
CUM.																				
AV.	5.1				37.7				38.4				11.0				96			
IND.																				
*D	98.0				99.7				100.0				99.1				99.0			

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

TABLE VI
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SC 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	5.1	4.8	106.2	100.0	38.1	38.0	100.3	101.1	38.2	38.1	100.3	99.5	11.8	10.9	108.2	107.3	95	108	88.0	99.0
B1		5.4				38.2				38.2				11.5			94			
C1		5.3				37.7				38.7				10.4			97			
D1	6.3	5.4	116.7	123.5	38.3	38.2	100.3	101.6	38.4	38.3	100.3	100.0	11.4	11.6	98.3	103.6	95	94	101.1	99.0
E1	5.5	5.6	98.2	107.8	38.0	38.0	100.0	100.8	38.1	38.1	100.0	99.2	10.3	10.2	101.0	93.6	96	96	100.0	100.0
F1	5.1	5.6	91.1	100.0	37.5	37.8	99.2	99.5	38.6	38.7	99.7	100.5	11.3	11.0	102.7	102.7	96	96	100.0	100.0
G1	6.2	5.9	105.1	121.6	37.4	37.7	99.2	99.2	38.0	38.5	98.7	99.0	11.4	11.2	101.8	103.6	90	92	97.8	93.8
H1	4.0	4.3	93.0	78.4	36.9	36.7	100.5	97.9	38.4	38.1	100.8	100.0	10.1	10.2	99.0	91.8	100	102	98.0	104.2
I1	5.9	5.9	100.0	115.7	37.6	38.3	98.2	99.7	38.4	39.1	98.2	100.0	11.2	11.8	94.9	101.8	96	96	100.0	100.0
J1		4.0				37.2				38.7				10.6			102			
K1		5.2				37.8				38.8				11.6			98			
L1	4.8	4.9	98.0	94.1	37.3	37.3	100.0	98.9	38.5	38.5	100.0	100.3	11.0	11.6	94.8	100.0	91	90	101.1	94.8
M1	4.4	6.0	73.3	86.3	37.6	37.8	99.5	99.7	39.0	38.5	101.3	101.6	10.5	11.1	94.6	95.4	97	97	100.0	101.0
N1	5.6	5.8	96.6	109.8	38.0	37.6	101.1	100.8	38.2	37.8	101.0	99.5	11.0	11.7	94.0	100.0	95	101	94.0	99.0
O1	2.6	3.8	68.4	51.0	36.6	37.0	98.9	97.1	38.6	38.6	100.0	100.5	10.4		94.5	103	106	97.2	107.3	
S1		3.6				36.6				38.3				10.9			97			
T1	4.8	5.1	94.1	94.1	38.1	38.3	99.5	101.1	39.4	39.4	100.0	102.6	10.5	10.2	102.9	95.4	89	91	97.8	92.7
U1		5.3				38.4				39.4				10.5			93			
V1	4.7	4.4	106.8	92.2	37.9	38.0	99.7	100.5	38.1	38.2	99.7	99.2	10.8	11.4	94.7	98.2	87	89	97.8	90.6
B2		3.6				36.8				38.4				10.6			82			
D2	6.5	6.6	98.5	127.4	37.5	37.5	100.0	99.5	38.0	38.0	100.0	99.0	10.3	10.6	97.2	93.6	88	87	101.1	91.7
F2	7.2	6.8	105.9	141.2	37.9	37.9	100.0	100.5	38.2	38.4	99.5	99.5	11.5	11.5	100.0	104.5	89	90	98.9	92.7
G2	4.8	4.3	111.6	94.1	38.3	38.3	100.0	101.6	38.6	38.6	100.0	100.5	10.7	11.4	93.8	97.3	89	89	100.0	92.7
H2	5.7		111.8		36.7			97.3	37.5					97.6		96.4	93			96.9
I2	4.6	5.4	85.2	90.2	37.0	37.4	98.9	98.1	38.3	38.4	99.7	99.7	9.7	10.2	95.1	88.2	119	108	110.2	124.0
J2	5.3	5.9	89.8	103.9	38.4	38.4	100.0	101.8	38.5	38.5	100.0	100.3	11.3	11.0	102.7	102.7	98	98	100.0	102.1
L2	4.6	4.7	97.9	90.2	38.2	38.3	99.7	101.3	38.3	38.4	99.7	99.7	11.3	11.6	97.4	102.7	105	99	106.1	109.4
M2	3.4	4.3	79.1	66.7	38.3	38.2	100.3	101.6	38.4	38.3	100.3	100.0	10.2	10.8	94.4	92.7	99	99	100.0	103.1
N2	5.1	4.9	104.1	100.0	37.5	37.4	100.3	99.5	38.6	38.6	100.0	100.5	11.6	11.4	101.8	105.4	92	93	98.9	95.8
P2	3.1	3.2	96.9	60.8	36.2	36.4	99.4	96.0	38.0	38.2	99.5	99.0	11.1	10.7	103.7	100.9	99	99	100.0	103.1
Q2	6.4	5.1	125.5	125.5	37.8	37.7	100.3	100.3	38.4	38.8	99.0	100.0	11.2	10.8	103.7	101.8	94	96	97.9	97.9
S2	5.7	5.7	100.0	111.8	38.0	38.1	99.7	100.8	38.1	38.2	99.7	99.2					92	93	98.9	95.8
W2		3.3				36.6				38.4				10.8			98			
X2		5.0				37.2				38.1				10.5			113			
Z2		4.6				38.2				38.4				11.3			103			
A3		3.0				36.4				38.3				11.5			94			
D3	5.7	5.1	111.8	111.8	38.3	38.0	100.8	101.6	39.2	39.2	100.0	102.1	9.9	10.8	91.7	90.0	104	96	108.3	108.3
FKI DATA																				
CUR.																				
AV.	5.1				37.7				38.4				10.8				96			
CUM.																				
AV.	5.1				37.7				38.4				11.0				96			
IND.																				
*D	100.0				100.0				100.0				98.2				100.0			

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

TABLE VII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD
MAY, 1974

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ACJ. 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		5.1			42.3			42.4				12.5				107					
B1		5.2			42.0			42.1				12.6				101					
C1	5.6	5.6	100.0	107.7	41.2	41.2	100.0	99.0	42.2	42.2	100.0	99.5	11.5	11.6	99.1	95.8	99	102	97.0	95.2	
D1	6.0	5.5	109.1	115.4	42.3	42.1	100.5	101.7	42.4	42.2	100.5	100.0	12.5	12.3	101.6	104.2	104	103	101.0	100.0	
E1	5.6	5.8	96.6	107.7	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	11.0	11.3	97.3	91.7	101	101	100.0	97.1	
F1		5.8			41.8			42.7				12.0				106					
G1	6.6	6.2	106.4	126.9	41.6	41.7	99.8	100.0	42.1	42.4	99.3	99.3	13.4	12.6	106.3	111.7	100	100	100.0	96.2	
H1	4.0	4.4	90.9	76.9	40.6	40.6	100.0	97.6	42.3	42.1	100.5	99.8	11.3	11.1	101.8	94.2	110	109	100.9	105.8	
I1	6.4	6.0	106.7	123.1	41.1	41.9	98.1	98.8	41.7	42.7	97.6	98.3	12.2	12.9	94.6	101.7	103	103	100.0	99.0	
J1	3.2	3.6	88.9	61.5	40.6	40.8	99.5	97.6	42.6	42.6	100.0	100.5	11.9	12.0	99.2	99.2	107	108	99.1	102.9	
M1	5.1	5.8	87.9	98.1	41.7	41.7	100.0	100.2	42.9	42.6	100.7	101.2	11.9	12.1	98.3	99.2	102	104	98.1	98.1	
O1	5.9	5.9	100.0	113.5	41.6	41.5	100.2	100.0	41.8	41.7	100.2	98.6	12.3	12.6	97.6	102.5	104	108	96.3	100.0	
Q1	4.4	3.9	112.8	84.6	40.9	40.6	100.7	98.3	42.4	42.3	100.2	100.0	11.1	11.0	100.9	92.5	104	102	102.0	100.0	
R1	5.8	6.2	93.5	111.5	41.6	41.7	99.8	100.0	42.5	42.5	100.0	100.2	12.9	12.6	102.4	107.5	106	105	101.0	101.9	
S1	4.8	4.2	114.3	92.3	40.9	40.7	100.5	98.3	42.2	42.3	99.8	99.5	12.2	11.8	103.4	101.7	103	102	101.0	99.0	
T1	6.7	6.2	108.1	128.8	42.1	42.4	99.3	101.2	42.6	43.1	98.8	100.5	11.1	11.2	99.1	92.5	100	103	97.1	96.2	
U1	5.2	5.3	98.1	100.0	41.3	41.8	98.8	99.3	42.5	42.9	99.1	100.2	12.3	12.3	100.0	102.5	102	103	99.0	98.1	
V1		4.8			40.4			41.7				12.1				120					
W1		7.1			42.1			42.4				11.9				107					
Y1	4.5	4.5	100.0	86.5	41.9	42.0	99.8	100.7	42.1	42.2	99.8	99.3	12.2	12.3	99.2	101.7	96	99	97.0	92.3	
B2		4.0			40.4			42.0				11.6				96					
G2	7.4	7.2	102.8	142.3	41.6	41.7	99.8	100.0	41.8	41.9	99.8	98.6	11.5	11.5	100.0	95.8	100	100	100.0	96.2	
E2	4.6	4.8	95.8	88.5	43.3	42.1	102.8	104.1	44.8	43.5	103.0	105.7	13.3	13.0	102.3	110.8	97	103	94.2	93.3	
F2	7.4	7.4	100.0	142.3	42.2	42.1	100.2	101.4	42.4	42.3	100.2	100.0	12.7	12.6	100.8	105.8	98	101	97.0	94.2	
G2	4.4	4.9	89.8	84.6	42.4	42.5	99.8	101.9	42.8	42.9	99.8	100.9	12.4	12.2	101.6	103.3	99	100	99.0	95.2	
H2	5.6	5.5	101.8	107.7	41.2	41.4	99.5	99.0	42.2	42.4	99.5	99.5	12.0	11.5	100.8	100.0	96	100	96.0	92.3	
I2	6.7	6.2	108.1	128.8	41.9	41.6	100.7	100.7	42.4	42.3	100.2	100.0	11.1	11.2	99.1	92.5	110	116	94.8	105.8	
J2		6.3			42.2			42.3				12.1				106					
L2	4.9	4.9	100.0	94.2	42.0	42.3	99.3	101.0	42.1	42.4	99.3	99.3	12.9	12.6	102.4	107.5	105	105	100.0	101.0	
M2	4.5	4.8	93.8	86.5	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.3	11.3	11.7	96.6	94.2	98	108	90.7	94.2	
N2	5.3	5.0	106.0	101.9	41.4	41.3	100.2	99.5	42.5	42.6	99.8	100.2	12.7	12.6	100.8	105.8	101	101	100.0	97.1	
P2	3.5	4.2	83.3	67.3	40.4	40.3	100.2	97.1	42.3	41.9	101.0	99.8	12.3	12.1	101.6	102.5	108	112	96.4	103.8	
Q2	6.6	6.3	104.8	126.9	41.6	41.6	100.0	100.0	42.1	42.3	99.5	99.3	12.0	11.9	100.8	100.0	103	102	101.0	99.0	
R2	5.1	5.1	100.0	98.1	41.5	41.3	100.5	99.8	42.7	42.5	100.5	100.7	11.9	12.0	99.2	99.2	102	102	100.0	98.1	
S2	5.7	5.6	101.8	109.6	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.3					100	101	99.0	96.2	
T2	5.7	5.6	101.8	109.6	41.6	41.5	100.2	100.0	42.6	42.5	100.2	100.5	12.9	13.0	99.2	107.5	108	104	103.8	103.8	
U2		5.1			42.5			42.6				12.4				103					
V2	5.6	5.3	105.7	107.7	42.1	41.8	100.7	101.2	43.1	43.0	100.2	101.6	11.3	11.7	96.6	94.2	104	106	98.1	100.0	
W2	4.4	3.6	122.2	84.6	40.8	40.7	100.2	98.1	42.3	42.6	99.3	99.8	12.0	12.2	98.4	100.0	106	108	98.1	101.9	
X2	6.1	6.2	98.4	117.3	41.4	41.2	100.5	99.5	42.1	41.9	100.5	99.3	11.4	11.5	99.1	95.0	109	111	98.2	104.8	
Z2		4.8			41.9			42.2				12.4				109					
A3	3.3	3.8	86.8	63.5	40.3	40.6	99.3	96.9	42.3	42.4	99.8	99.8	12.5	12.5	100.0	104.2	102	104	98.1	98.1	
B3	5.6	5.6	100.0	107.7	41.8	41.7	100.2	100.5	42.8	42.7	100.2	100.9	11.4	11.2	101.8	95.0	106	107	99.1	101.9	
C3	3.5	3.6	97.2	67.3	42.0	42.5	98.8	101.0	42.2	42.7	98.8	99.5	12.3	11.4	107.9	102.5	102	101	101.0	98.1	
D3	5.3	5.2	101.9	101.9	42.3	41.9	101.0	101.7	43.4	43.1	100.7	102.4	11.2	12.2	91.8	93.3	106	103	102.9	101.9	
FKI DATA																					
CUR. AV. 5.3																					
CUM. AV. 5.2																					
IND. #D 101.9																					
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

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.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C
A1		5.1				42.3				42.4				12.5				107		
B1	5.5	5.2	105.8	105.8	42.1	42.0	100.2	101.2	42.2	42.1	100.2	99.5	12.6	12.6	100.0	105.0	104	101	103.0	100.0
C1	5.5	5.6	98.2	105.8	41.0	41.1	99.8	98.6	42.0	42.1	99.8	99.0	11.2	11.6	96.6	93.3	101	101	100.0	97.1
D1	5.9	5.6	105.4	113.5	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.8	12.4	12.3	100.8	103.3	105	103	101.9	101.0
E1	5.9	5.8	101.7	113.5	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.8	11.4	11.3	100.9	95.0	102	101	101.0	98.1
F1	5.2	5.9	88.1	100.0	41.6	41.8	99.5	100.0	42.8	42.7	100.2	100.9	12.4	11.9	104.2	103.3	112	106	105.7	107.7
G1	6.2	6.2	100.0	119.2	41.5	41.6	99.8	99.8	42.2	42.4	99.5	99.5	13.3	12.7	104.7	110.8	99	100	99.0	95.2
H1	4.3	4.4	97.7	82.7	40.7	40.6	100.2	97.8	42.2	42.2	100.0	99.5	11.1	11.1	100.0	92.5	107	109	98.2	102.9
I1	6.3	6.0	105.0	121.2	41.1	41.8	98.3	98.8	41.8	42.6	98.1	98.6	12.1	12.8	94.5	100.8	101	103	98.0	97.1
J1	3.4	3.5	97.1	65.4	40.9	40.7	100.5	98.3	42.9	42.6	100.7	101.2	12.2	12.0	101.7	101.7	107	108	99.1	102.9
M1	4.9	5.8	84.5	94.2	41.5	41.7	99.5	99.8	42.8	42.6	100.5	100.9	11.5	12.0	95.8	95.8	103	104	99.0	99.0
O1	5.9	5.9	100.0	113.5	41.5	41.5	100.0	99.8	41.7	41.7	100.0	98.3	12.2	12.6	96.8	101.7	103	107	96.3	99.0
Q1	4.5	3.8	118.4	86.5	40.9	40.6	100.7	98.3	42.4	42.3	100.2	100.0	10.9	11.0	99.1	90.8	106	102	103.9	101.9
R1	6.3	6.2	101.6	121.2	41.8	41.7	100.2	100.5	42.5	42.5	100.0	100.2	12.4	12.6	98.4	103.3	105	105	100.0	101.0
S1	4.3	4.2	102.4	82.7	40.7	40.7	100.0	97.8	42.2	42.3	99.8	99.5	12.2	11.9	102.5	101.7	103	102	101.0	99.0
T1	6.7	6.2	108.1	128.8	42.2	42.3	99.8	101.4	42.7	43.0	99.3	100.7	11.2	11.2	100.0	93.3	100	102	98.0	96.2
U1	5.4	5.2	103.8	103.8	41.3	41.8	98.8	99.3	42.4	42.9	98.8	100.0	12.1	12.3	98.4	100.8	100	103	97.1	96.2
V1		4.8				40.4				41.7				12.1				120		
W1		7.1				42.1				42.4				11.9				107		
Y1	3.9	4.6	84.8	75.0	41.8	42.0	99.5	100.5	42.0	42.2	99.5	99.0	11.7	12.4	94.4	97.5	97	99	98.0	93.3
B2		4.0				40.4				42.0				11.6				94		
D2	7.4	7.3	101.4	142.3	41.6	41.6	100.0	100.0	41.8	41.9	99.8	98.6	11.4	11.5	99.1	95.0	100	100	100.0	96.2
E2	4.2	4.7	89.4	80.8	42.9	42.2	101.6	103.1	44.6	43.6	102.3	105.2	14.4	13.0	110.8	120.0	96	102	94.1	92.3
F2	7.4	7.4	100.0	142.3	42.0	42.1	99.8	101.0	42.2	42.2	100.0	99.5	12.7	12.6	100.8	105.8	98	100	98.0	94.2
G2	4.5	4.8	93.8	86.5	42.3	42.5	99.5	101.7	42.7	42.9	99.5	100.7	12.1	12.3	98.4	100.8	98	101	97.0	94.2
H2	5.2	5.5	94.5	100.0	41.0	41.2	99.5	98.6	42.1	42.3	99.5	99.3	12.4	11.9	104.2	103.3	95	99	96.0	91.3
I2	6.5	6.3	103.2	125.0	41.9	41.6	100.7	100.7	42.5	42.3	100.5	100.2	11.0	11.2	98.2	91.7	113	116	97.4	108.6
J2	5.4	6.3	85.7	103.8	41.8	42.2	99.0	100.5	41.9	42.3	99.0	98.8	11.9	12.1	98.3	99.2	108	105	102.8	103.8
L2	4.8	4.9	98.0	92.3	42.1	42.2	99.8	101.2	42.2	42.3	99.8	99.5	12.6	12.6	100.0	105.0	108	105	102.8	103.8
M2	4.0	4.7	85.1	76.9	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	11.2	11.7	95.7	93.3	104	107	97.2	100.0
N2	5.4	5.0	108.0	103.8	41.4	41.3	100.2	99.5	42.5	42.5	100.0	100.2	13.2	12.6	104.8	110.0	100	101	99.0	96.2
P2	3.1	4.1	75.6	59.6	39.9	40.3	99.0	95.9	41.9	41.9	100.0	98.8	12.6	12.2	103.3	105.0	106	112	94.6	101.9
Q2	6.5	6.3	103.2	125.0	41.6	41.6	100.0	100.0	42.2	42.3	99.8	99.5	11.9	11.8	100.8	99.2	104	102	102.0	100.0
R2	5.2	5.2	100.0	100.0	41.6	41.4	100.5	100.0	42.8	42.5	100.7	100.9	11.8	12.0	98.3	98.3	102	102	100.0	98.1
S2	5.6	5.6	100.0	107.7	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.3					100	101	99.0	96.2
T2	5.6	5.6	100.0	107.7	41.5	41.5	100.0	99.8	42.5	42.5	100.0	100.2	12.9	12.9	100.0	107.5	103	104	99.0	99.0
U2		5.1				42.5				42.6				12.4				103		
V2	5.7	5.3	107.5	109.6	42.2	41.9	100.7	101.4	43.2	43.0	100.5	101.9	11.4	11.6	98.3	95.0	107	106	100.9	102.9
W2	4.1	3.7	110.8	78.8	40.8	40.7	100.2	98.1	42.4	42.5	99.8	100.0	12.0	12.2	98.4	100.0	106	107	99.1	101.9
X2	5.6	6.2	90.3	107.7	41.2	41.2	100.0	99.0	42.2	41.9	100.7	99.5	11.7	11.4	102.6	97.5	107	110	97.3	102.9
Z2		4.8				41.9				42.1				12.5				108		
A3	3.3	3.6	91.7	63.5	39.8	40.5	98.3	95.7	41.8	42.4	98.6	98.6	12.7	12.5	101.6	105.8	103	104	99.0	99.0
B3	5.7	5.6	101.8	109.6	41.8	41.8	100.0	100.5	42.8	42.8	100.0	100.9	11.3	11.3	100.0	94.2	108	107	100.9	103.8
C3	3.9	3.6	108.3	75.0	41.9	42.5	98.6	100.7	42.1	42.7	98.6	99.3	12.3	11.5	107.0	102.5	100	101	99.0	96.2
D3	5.7	5.2	109.6	109.6	42.3	42.0	100.7	101.7	43.3	43.2	100.2	102.1	11.5	12.2	94.3	95.8	109	103	105.8	104.8

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

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

TABLE IX
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD
MAY, 1974

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ACJ. 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
B1			5.9				68.8				69.0				19.6			144		
C1	6.9	6.8	101.5	113.1	68.3	68.5	99.7	99.7	69.0	69.2	99.7	99.4	19.8	20.5	96.6	100.5	132	132	100.0	93.6
E1		6.2					69.1				69.3				19.8			140		
G1	7.2	6.8	105.9	118.0	68.8	68.6	100.3	100.4	69.3	69.4	99.8	99.8	20.7	20.9	99.0	105.1	132	136	97.0	93.6
H1		4.0					66.2				68.9				17.4			152		
I1		7.1					68.4				68.8				21.2			139		
J1	3.9	4.6	84.8	63.9	66.8	67.4	99.1	97.5	69.6	69.8	99.7	100.3	19.8	20.2	98.0	100.5	146	148	98.6	103.5
M1	6.9	7.2	95.8	113.1	68.2	68.5	99.6	99.6	68.9	69.0	99.8	99.3	19.4	19.3	100.5	98.5	147	149	98.6	104.2
O1	6.3	6.4	98.4	103.3	68.5	68.3	100.3	100.0	68.8	68.6	100.3	99.1	20.5	19.9	103.0	104.1	143	148	96.6	101.4
Q1	6.4	6.5	98.5	104.9	68.4	68.4	100.0	99.8	69.4	69.3	100.1	100.0	19.5	19.1	102.1	99.0	139	136	102.2	98.6
R1	6.7	6.6	101.5	109.8	68.7	68.7	100.0	100.3	69.5	69.6	99.8	100.1	19.7	19.8	99.5	100.0	143	139	102.9	101.4
S1	5.2	4.9	106.1	85.2	67.5	67.2	100.4	98.5	69.4	69.3	100.1	100.0	19.6	19.3	101.6	99.5	134	138	97.1	95.0
T1	7.7	8.1	95.1	126.2	68.6	68.8	99.7	100.1	68.7	68.5	100.3	99.0	18.5	18.5	100.0	93.9	135	138	97.8	95.7
U1	6.3	6.1	103.3	103.3	68.3	68.5	99.7	99.7	69.4	69.8	99.4	100.0	20.0	19.9	100.5	101.5	131	136	96.3	92.9
V1	5.3	5.4	98.1	86.9	67.6	67.5	100.1	98.7	69.4	69.3	100.1	100.0	18.2	18.5	98.4	92.4	143	149	96.0	101.4
W1		7.4					69.6				70.0				19.5			142		
Z1	6.8	6.7	101.5	111.5	68.3	68.6	99.6	99.7	69.1	69.5	99.4	99.6	19.2	19.2	100.0	97.5	142	143	99.3	100.7
B2		4.3					66.4				68.9				19.6			140		
D2	8.7	9.0	96.7	142.6	68.5	68.6	99.8	100.0	67.8	67.7	100.1	97.7	19.2	18.8	102.1	97.5	135	137	98.5	95.7
E2	5.8	5.3	109.4	95.1	68.9	68.5	100.6	100.6	70.4	70.3	100.1	101.4	20.6	21.5	95.8	104.6	128	140	91.4	90.8
F2	7.9	7.7	102.6	129.5	69.3	69.5	99.7	101.2	69.2	69.6	99.4	99.7	21.0	20.8	101.0	106.6	141	140	100.7	100.0
G2	5.1	5.9	86.4	83.6	68.9	69.0	99.8	100.6	69.5	69.6	99.8	100.1	20.1	19.0	105.8	102.0	138	140	98.6	97.9
H2		6.5					68.7				69.6				19.4			136		
I2	7.6	6.6	115.2	124.6	69.0	68.6	100.6	100.7	69.1	69.4	99.6	99.6	17.3	18.2	95.0	87.8	153	154	99.4	108.5
J2		6.8					69.1				69.3				19.9			148		
L2	5.5	5.4	101.8	90.2	69.1	69.6	99.3	100.9	69.3	69.9	99.1	99.8	20.5	20.1	102.0	104.1	138	139	99.3	97.9
M2	5.6	5.2	107.7	91.8	69.1	69.1	100.0	100.9	69.3	69.3	100.0	99.8	18.4	18.6	98.9	93.4	133	142	93.7	94.3
Q2	6.8	7.1	95.8	111.5	68.5	68.8	99.6	100.0	69.3	69.3	100.0	99.8	19.1	19.3	99.0	97.0	143	142	100.7	101.4
R2	5.5	5.3	103.8	90.2	68.3	68.1	100.3	99.7	70.0	70.0	100.0	100.9	18.4	19.0	96.8	93.4	137	137	100.0	97.2
S2	6.1	5.8	105.2	100.0	69.1	69.0	100.1	100.9	69.3	69.2	100.1	99.8					134	139	96.4	95.0
U2	6.1	5.7	107.0	100.0	69.6	69.4	100.3	101.6	69.8	69.6	100.3	100.6	20.3	20.2	100.5	103.0	145	146	99.3	102.8
V2	5.9	5.6	105.4	96.7	68.6	68.4	100.3	100.1	70.0	70.0	100.0	100.9	19.7	20.2	97.5	100.0	138	135	102.2	97.9
W2	4.2	4.3	97.7	68.8	66.8	67.3	99.2	97.5	69.4	69.8	99.4	100.0	19.9	20.0	99.5	101.0	149	147	101.4	105.7
X2	7.2	7.1	101.4	118.0	68.8	68.3	100.7	100.4	69.3	68.8	100.7	99.8	18.8	19.1	98.4	95.4	133	141	94.3	94.3
Z2		5.0					68.8				69.2				20.8			144		
A3	5.0	5.3	94.3	82.0	67.6	67.8	99.7	98.7	69.6	69.7	99.8	100.3	20.3	20.4	99.5	103.0	138	140	98.6	97.9
B3	5.6	6.0	93.3	91.8	68.8	68.6	100.3	100.4	70.5	70.0	100.7	101.6	19.4	19.5	99.5	98.5	139	137	101.4	98.6
C3	4.6	4.8	95.8	75.4	68.8	69.3	99.3	100.4	69.1	69.6	99.3	99.6	18.8	19.6	95.9	95.4	133	134	99.2	94.3
FKI DATA																				
CUR. AV.	6.2				68.5				69.4				19.5				139			
CUM. AV.	6.1				68.5				69.4				19.7				141			
IND. *D	101.6				100.0				100.0				99.0				98.6			

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, 1974

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
B1	6.1	6.0	101.7	100.0	69.1	68.8	100.4	100.9	69.3	69.0	100.4	99.8	19.8	19.6	101.0	100.5	146	143	102.1	103.5
C1	6.5	6.8	95.6	106.6	68.5	68.4	100.1	100.0	69.5	69.2	100.4	100.1	20.0	20.5	97.6	101.5	129	132	97.7	91.5
D1	6.2		101.6		69.4		101.3		69.6		100.3		20.4		103.6		145		102.8	
E1		6.2				69.1				69.3				19.8			140			
G1	7.0	6.8	102.9	114.8	68.7	68.6	100.1	100.3	69.3	69.4	99.8	99.8	20.4	20.8	98.1	103.6	134	136	98.5	95.0
H1		4.0				66.2				68.9				17.4			152			
I1	7.5	7.2	104.2	123.0	67.6	68.3	99.0	98.7	67.8	68.8	98.5	97.7	20.9	21.3	98.1	106.1	137	139	98.6	97.2
J1	3.6	4.6	78.3	59.0	66.8	67.4	99.1	97.5	69.9	69.7	100.3	100.7	20.3	20.2	100.5	103.0	148	147	100.7	105.0
M1	6.9	7.2	95.8	113.1	68.2	68.5	99.6	99.6	68.9	69.0	99.8	99.3	19.6	19.3	101.6	99.5	142	148	95.9	100.7
D1	6.5	6.4	101.6	106.6	68.1	68.3	99.7	99.4	68.4	68.6	99.7	98.6	19.6	20.0	98.0	99.5	145	148	98.0	102.8
Q1	6.4	6.6	97.0	104.9	68.2	68.4	99.7	99.6	69.2	69.3	99.8	99.7	19.8	19.1	103.7	100.5	136	136	100.0	96.4
R1	6.5	6.6	98.5	106.6	68.7	68.7	100.0	100.3	69.7	69.6	100.1	100.4	19.6	19.8	99.0	99.5	145	139	104.3	102.8
S1	5.0	4.9	102.0	82.0	67.2	67.2	100.0	98.1	69.2	69.3	99.8	99.7	19.1	19.4	98.4	97.0	139	137	101.4	98.6
T1	7.9	8.0	98.8	129.5	68.7	68.8	99.8	100.3	68.6	68.6	100.0	98.8	18.4	18.5	99.4	93.4	136	138	98.6	96.4
U1	6.3	6.1	103.3	103.3	68.0	68.4	99.4	99.3	69.1	69.7	99.1	99.6	19.6	19.9	98.5	99.5	131	135	97.0	92.9
V1	5.4	5.3	101.9	88.5	67.7	67.5	100.3	98.8	69.5	69.3	100.3	100.1	18.1	18.4	98.4	91.9	141	148	95.3	100.0
W1	7.1	7.4	95.9	116.4	69.3	69.6	99.6	101.2	69.9	70.0	99.8	100.7	19.3	19.5	99.0	98.0	145	142	102.1	102.8
Z1	7.0	6.7	104.5	114.8	68.4	68.5	99.8	99.8	69.0	69.4	99.4	99.4	19.2	19.2	100.0	97.5	141	143	98.6	100.0
B2		4.2				66.3				68.9				19.6			140			
D2	8.8	8.9	98.9	144.3	68.7	68.6	100.1	100.3	68.0	67.7	100.4	98.0	19.2	18.9	101.6	97.5	138	137	100.7	97.9
E2	5.1	5.4	94.4	83.6	69.8	68.6	101.7	101.9	71.8	70.3	102.1	103.4	22.8	21.4	106.5	115.7	127	139	91.4	90.1
F2	7.6	7.7	98.7	124.6	69.1	69.5	99.4	100.9	69.2	69.6	99.4	99.7	20.6	20.8	99.0	104.6	140	140	100.0	99.3
G2	5.4	5.8	93.1	88.5	68.8	69.0	99.7	100.4	69.4	69.6	99.7	100.0	19.7	19.2	102.6	100.0	142	140	101.4	100.7
H2		6.5				68.7				69.6				19.4			136			
I2	7.4	6.7	110.4	121.3	69.1	68.6	100.7	100.9	69.4	69.4	100.0	100.0	17.4	18.1	96.1	88.3	148	154	96.1	105.0
J2	7.0	6.8	102.9	114.8	68.7	69.1	99.4	100.3	68.9	69.3	99.4	99.3	19.5	19.9	98.0	99.0	144	149	96.6	102.1
L2	5.4	5.4	100.0	88.5	69.4	69.6	99.7	101.3	69.6	69.8	99.7	100.3	20.1	20.1	100.0	102.0	139	139	100.0	98.6
M2	4.8	5.2	92.3	78.7	69.1	69.1	100.0	100.9	69.3	69.3	100.0	99.8	17.9	18.6	96.2	90.9	146	141	103.5	103.5
Q2	6.9	7.0	98.6	113.1	68.6	68.7	99.8	100.1	69.3	69.3	100.0	99.8	19.8	19.3	102.6	100.5	144	142	101.4	102.1
R2	5.5	5.3	103.8	90.2	68.6	68.1	100.7	100.1	70.3	70.0	100.4	101.3	18.5	19.0	97.4	93.9	137	136	100.7	97.2
S2	5.9	5.8	101.7	96.7	68.5	69.0	99.3	100.0	68.7	69.2	99.3	99.0					136	139	97.8	96.4
U2	5.8	5.7	101.8	95.1	69.5	69.4	100.1	101.4	69.7	69.6	100.1	100.4	20.1	20.3	99.0	102.0	148	146	101.4	105.0
V2	5.8	5.6	103.6	95.1	68.4	68.4	100.0	99.8	69.9	70.0	99.8	100.7	20.0	20.2	99.0	101.5	133	135	98.5	94.3
W2	4.6	4.3	107.0	75.4	67.4	67.2	100.3	98.4	69.8	69.8	100.0	100.6	20.0	19.9	100.5	101.5	143	148	96.6	101.4
X2	7.4	7.1	104.2	121.3	69.0	68.4	100.9	100.7	69.3	68.9	100.6	99.8	19.3	19.0	101.6	98.0	135	139	97.1	95.7
Z2		5.0				68.8				69.1				20.8			144			
A3	5.4	5.3	101.9	88.5	67.7	67.7	100.0	98.8	69.5	69.6	99.8	100.1	20.5	20.4	100.5	104.1	138	139	99.3	97.9
B3	5.7	5.9	96.6	93.4	68.6	68.6	100.0	100.1	70.2	70.0	100.3	101.2	18.8	19.4	96.9	95.4	140	137	102.2	99.3
C3	4.6	4.8	95.8	75.4	68.8	69.3	99.3	100.4	69.2	69.6	99.4	99.7	19.1	19.6	97.4	97.0	134	134	100.0	95.0

FKI DATA
 CUR. AV. 6.2
 CUM. AV. 6.1
 IND. *D 101.6
 68.5
 68.5
 100.0
 69.4
 69.4
 100.0
 19.6
 19.7
 99.5
 140
 141
 99.3

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, 1974

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
B1		5.5			90.1				90.4				25.4				170			
G1		6.8			89.1				90.1				27.0				168			
J1	4.1	5.0	82.0	64.1	87.3	88.4	98.8	97.6	90.8	91.1	99.7	100.4	26.1	26.4	98.9	102.4	175	179	97.8	103.6
M1	7.0	7.6	92.1	109.4	89.3	89.4	99.9	99.9	90.1	89.6	100.6	99.7	26.4	25.7	102.7	103.5	172	176	97.7	101.8
Q1	6.0	6.5	92.3	93.8	89.0	89.2	99.8	99.6	90.8	90.4	100.4	100.4	25.1	24.5	102.4	98.4	162	162	100.0	95.8
R1	6.6	6.9	95.6	103.1	89.9	90.1	99.8	100.6	91.1	91.1	100.0	100.8	26.3	26.6	98.9	103.1	169	172	98.2	100.0
S1	4.9	5.1	96.1	76.6	87.5	87.7	99.8	97.9	90.2	90.3	99.9	99.8	25.7	25.7	100.0	100.8	159	158	100.6	94.1
T1	8.4	8.5	98.8	131.2	90.9	90.1	100.9	101.7	90.3	89.4	101.0	99.9	24.7	24.5	100.8	96.9	161	167	96.4	95.3
U1		6.3			88.9				90.4				25.6				164			
V1	5.3	5.8	91.4	82.8	88.3	88.6	99.7	98.8	90.7	90.4	100.3	100.3	23.8	24.1	96.8	93.3	174	174	100.0	103.0
Z1	8.1	7.9	102.5	126.6	90.2	90.4	99.8	100.9	89.9	90.3	99.6	99.4	24.6	24.2	101.6	96.5	167	168	99.4	98.8
B2		5.3			87.6				90.0				26.0				167			
H2	7.0	6.8	102.9	109.4	89.2	89.0	100.2	99.8	90.0	89.9	100.1	99.6	25.6	25.5	100.4	100.4	152	160	95.0	89.9
I2		6.8			89.6				90.6				24.3				178			
J2		6.9			90.4				90.7				25.7				175			
M2	5.8	5.5	105.4	90.6	89.9	89.9	100.0	100.6	90.2	90.2	100.0	99.8	24.8	24.9	99.6	97.2	159	161	98.8	94.1
Q2	7.3	7.5	97.3	114.1	89.8	89.9	99.9	100.4	90.2	90.2	100.0	99.8	25.3	24.9	101.6	99.2	173	173	100.0	102.4
S2		5.8			89.5				89.8								168			
U2	6.3	5.7	110.5	98.4	90.6	90.4	100.2	101.3	90.9	90.7	100.2	100.6	26.8	26.5	101.1	105.1	173	174	99.4	102.4
Z2		6.2			89.5				89.9				26.4				174			
A3	4.6	5.6	82.1	71.9	87.2	88.8	98.2	97.5	90.3	90.9	99.3	99.9	26.7	26.7	100.0	104.7	164	166	98.8	97.0
B3	6.7	6.3	106.3	104.7	90.1	89.6	100.6	100.8	91.2	91.0	100.2	100.9	26.0	25.9	100.4	102.0	153	152	100.6	90.5
FKI DATA																				
CUR.																				
AV.	6.3				89.2				90.5				25.6				165			
CUM.																				
AV.	6.4				89.4				90.4				25.5				169			
IND.																				
*D	98.4				99.8				100.1				100.4				97.6			

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, 1974

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.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	
B1	6.5	5.6	116.1	101.6	90.2	90.1	100.1	100.9	90.5	90.4	100.1	100.1	27.2	25.4	107.1	106.7	162	170	95.3	95.8
G1		6.9				89.2				90.0				27.6			170			
J1	3.5	4.9	71.4	54.7	87.0	88.3	98.5	97.3	91.1	91.1	100.0	100.8	26.1	26.3	99.2	102.4	177	178	99.4	104.7
M1	7.2	7.5	96.0	112.5	88.8	89.4	99.3	99.3	89.4	89.7	99.7	98.9	25.7	25.7	100.0	100.8	176	175	100.6	104.1
Q1	6.4	6.5	98.5	100.0	88.9	89.2	99.7	99.4	90.2	90.4	99.8	99.8	24.8	24.6	100.8	97.2	161	162	99.4	95.3
R1	7.5	6.8	110.3	117.2	90.7	90.1	100.7	101.4	91.0	91.1	99.9	100.7	27.1	26.6	101.9	106.3	173	172	100.6	102.4
S1	4.4	5.1	86.3	68.8	87.1	87.7	99.3	97.4	90.3	90.3	100.0	99.9	25.1	25.7	97.7	98.4	173	158	109.5	102.4
T1	8.8	8.4	104.8	137.5	89.6	90.2	99.3	100.2	88.6	89.6	98.9	98.0	24.7	24.5	100.8	96.9	166	166	100.0	98.2
J1		6.0				89.3				91.0				25.6			163			
V1	5.9	5.8	101.7	92.2	89.0	88.5	100.6	99.6	90.8	90.5	100.3	100.4	25.6	24.0	106.7	100.4	163	172	94.8	96.4
Z1	7.9	7.9	100.0	123.4	90.3	90.4	99.9	101.0	90.2	90.2	100.0	99.8	25.3	24.3	104.1	99.2	166	168	98.8	98.2
B2		5.3				87.7				90.1				26.0			165			
H2		6.8				88.7				89.7				25.8			158			
I2	7.7	6.9	111.6	120.3	90.4	89.7	100.8	101.1	90.5	90.6	99.9	100.1	23.8	24.4	97.5	93.3	175	178	98.3	103.6
J2	6.6	6.9	95.6	103.1	89.9	90.4	99.4	100.6	90.2	90.7	99.4	99.8	26.5	25.9	102.3	103.9	170	175	97.1	100.6
M2		5.5				89.8				90.2				25.0			159			
Q2	7.4	7.4	100.0	115.6	89.8	89.8	100.0	100.4	90.2	90.2	100.0	99.8	25.9	24.8	104.4	101.6	169	174	97.1	100.0
S2		5.8				89.4				89.7							167			
J2	5.9	5.8	101.7	92.2	90.6	90.5	100.1	101.3	90.9	90.8	100.1	100.6	26.4	26.5	99.6	103.5	172	174	98.8	101.8
Z2		6.2				89.5				89.9				26.4			174			
A3	5.7	5.5	103.6	89.1	88.0	88.6	99.3	98.4	90.0	90.8	99.1	99.6	26.3	26.7	98.5	103.1	164	166	98.8	97.0
B3	6.2	6.4	96.9	96.9	89.8	89.7	100.1	100.4	91.4	91.0	100.4	101.1	25.2	25.9	97.3	98.8	155	152	102.0	91.7
FKI DATA																				
CUR.																				
AV.	6.5					89.3				90.4				25.7				168		
CUM.																				
AV.	6.4					89.4				90.4				25.5				169		
IND.																				
*D	101.6					99.9				100.0				100.8				99.4		

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, 1974

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	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
B1	No	--	--	--	No
C1	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
D1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
E1	No	--	--	--	Yes: 75 ± 5°F; 50 ± 5% RH
F1	No	--	--	--	No
G1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
H1	No	--	--	--	No
I1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J1	No	--	--	--	No
K1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
L1	No	--	--	--	No
M1	No	--	--	--	No
N1	Yes	20 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
O1	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
P1	No	--	--	--	No
Q1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 5% RH
R1	No	--	--	--	Yes: 70 ± 3°F; 50 ± 3% RH
S1	No	--	--	--	No
T1	No	--	--	--	No
U1	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
V1	No	--	--	--	No
W1	No	--	--	--	Yes: 72 ± 2°F; 55 ± 5% RH
X1	No samples submitted for May and June				
Y1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Z1	No	--	--	--	No
A2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
B2	No samples submitted for May and June				
C2	No samples submitted for May and June				
D2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 3% RH
E2	No	--	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
F2	No	--	--	--	No
G2	Yes	--	73	50	Yes: 73°F; 50 ± 2% RH
H2	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
I2	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
J2	No	--	--	--	No
K2	No samples submitted for May and June				
L2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
M2	No	--	--	--	No
N2	No	--	--	--	Yes: 73 ± 3°F; 50% RH
O2	Yes	7 min	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
P2	No	--	--	--	No
Q2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
R2	No	--	--	--	No
S2	No	--	--	--	No
T2	No	--	--	--	Yes: 70 ± 3°F; 50 ± 3% RH
U2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
V2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
W2	No	--	--	--	No
X2	No	--	--	--	No
Y2	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Z2	No samples submitted for May and June				
A3	No	--	--	--	No
B3	No	--	--	--	No
C3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
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.