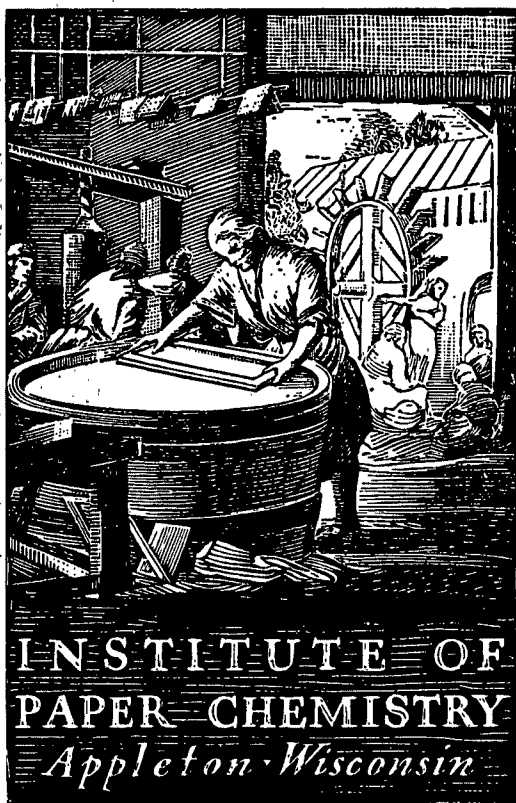




BASE-LINE

MAY-JUNE, 1973

**CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR MAY AND JUNE, 1973)**

Project 2694-1

Report Thirty-Nine

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 22, 1973

BASE-LINE
MAY-JUNE, 1973

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR MAY AND JUNE, 1973)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(MARCH-JUNE, 1973)

Linerboard Grade Wt.		Moisture Content			
		March	April	May	June
26 Lb.	Max. ^a	6.0	6.5	6.1	6.2
	Min. ^a	0.4	0.7	0.5	1.7
	Av. ^b	4.5 (14)	4.6 (15)	4.4 (18)	4.4 (17)
33 Lb.	Max. ^a	6.2	6.5	6.5	6.4
	Min. ^a	2.2	2.4	2.1	2.3
	Av. ^b	4.7 (21)	4.6 (25)	4.5 (26)	4.4 (25)
38 Lb.	Max. ^a	6.8	6.6	7.1	6.0
	Min. ^a	3.4	3.7	2.7	3.2
	Av. ^b	5.0 (25)	5.1 (24)	5.0 (28)	5.0 (23)
42 Lb.	Max. ^a	7.3	7.4	7.3	7.3
	Min. ^a	3.6	3.4	3.1	3.6
	Av. ^b	5.3 (38)	5.3 (40)	5.3 (41)	5.2 (41)
69 Lb.	Max. ^a	7.9	8.3	9.1	8.4
	Min. ^a	4.0	3.7	4.2	4.2
	Av. ^b	6.0 (29)	5.8 (31)	6.1 (32)	6.0 (33)
90 Lb.	Max. ^a	8.2	9.2	8.7	8.9
	Min. ^a	4.7	4.2	5.0	4.2
	Av. ^b	6.2 (20)	6.1 (21)	6.4 (20)	6.4 (19)

^aCurrent machine average.

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

PART III: SUMMARY OF CALIPER DATA
(MARCH-JUNE, 1973)

Linerboard Grade Wt.		Caliper, pt.			
		March	April	May	June
26 Lb.	Max. ^a	8.5	8.6	8.8	8.6
	Min. ^a	7.4	7.2	7.4	6.9
	Av. ^b	7.9 (14)	7.9 (14)	8.0 (17)	7.9 (16)
33 Lb.	Max. ^a	10.6	11.0	10.6	10.8
	Min. ^a	8.9	9.2	8.8	8.6
	Av. ^b	9.8 (21)	9.9 (24)	9.8 (25)	9.8 (24)
38 Lb.	Max. ^a	12.2	12.1	12.0	12.0
	Min. ^a	9.9	9.7	9.9	9.8
	Av. ^b	11.1 (24)	10.8 (23)	10.9 (26)	11.0 (22)
42 Lb.	Max. ^a	13.2	13.3	13.2	13.7
	Min. ^a	11.1	10.9	11.0	10.7
	Av. ^b	12.0 (39)	12.0 (39)	12.0 (40)	12.0 (40)
69 Lb.	Max. ^a	21.5	21.2	21.4	22.6
	Min. ^a	17.8	17.1	17.6	18.6
	Av. ^b	19.5 (29)	19.6 (30)	19.7 (31)	19.9 (32)
90 Lb.	Max. ^a	27.3	27.6	27.2	27.4
	Min. ^a	23.1	23.7	23.3	23.9
	Av. ^b	25.2 (20)	25.8 (20)	25.2 (19)	25.6 (18)

^aCurrent machine average.

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

PART IV: SUMMARY OF BURSTING STRENGTH DATA
(MARCH-JUNE, 1973)

Linerboard Grade Wt.		Bursting Strength, p.s.i.g.			
		March	April	May	June
26 Lb.	Max. ^a	79	82	84	83
	Min. ^a	64	64	64	63
	Av. ^b	70 (14)	71 (15)	72 (18)	72 (17)
33 Lb.	Max. ^a	100	100	101	102
	Min. ^a	79	78	78	77
	Av. ^b	87 (22)	87 (25)	87 (26)	88 (25)
38 Lb.	Max. ^a	110	110	114	107
	Min. ^a	88	89	87	89
	Av. ^b	96 (25)	97 (24)	98 (28)	97 (23)
42 Lb.	Max. ^a	119	117	119	123
	Min. ^a	98	98	98	98
	Av. ^b	106 (40)	106 (40)	106 (41)	106 (41)
69 Lb.	Max. ^a	161	166	160	156
	Min. ^a	129	123	129	132
	Av. ^b	142 (30)	143 (31)	142 (32)	143 (33)
90 Lb.	Max. ^a	203	197	195	183
	Min. ^a	159	162	160	157
	Av. ^b	172 (21)	171 (21)	172 (20)	171 (19)

^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, 1973

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		5.6				25.9				26.5				7.4				70			
H1		2.7				25.3				26.7				7.3				68			
I1		3.2				25.3				26.6				7.4				74			
J1	2.6	3.5	74.3	57.8	25.3	26.3	96.2	97.3	26.7	26.6	100.4	100.0	8.3	8.0	103.8	105.1	75	74	101.4	104.2	
L1	5.8	5.4	107.4	128.9	25.6	25.8	99.2	98.5	26.2	26.5	98.9	98.1	7.8	7.8	100.0	98.7	65	67	97.0	90.3	
M1	3.2	3.2	100.0	71.1	25.9	26.2	98.8	99.6	26.0	27.4	94.9	97.4	7.9	8.6	91.9	100.0	70	68	102.9	97.2	
N1	6.1	6.2	98.4	135.6	26.2	26.4	99.2	100.8	26.3	26.5	99.2	98.5					67	68	98.5	93.0	
S1		4.7				26.1				27.0				8.1				79			
T1		5.2				26.9				27.3				7.3				66			
V1		5.9				26.5				26.6				8.6				66			
X1	4.6	4.7	97.9	102.2	25.6	25.7	99.6	98.5	26.5	26.6	99.6	99.2	7.8	7.5	104.0	98.7	69	73	94.5	95.8	
Y1		3.4				25.7				26.9				7.4				66			
Z1	0.5	1.0	50.0	11.1	24.5	25.0	98.0	94.2	26.4	26.8	98.5	98.9	8.1	8.1	100.0	102.5	64	66	97.0	88.9	
B2		5.3				26.1				26.4				8.2				76			
C2	3.4	3.8	89.5	75.6	24.9	25.0	99.6	95.8	26.1	26.1	100.0	97.8	7.7	7.6	101.3	97.5	81	78	103.8	112.5	
D2	4.4	4.6	95.6	97.8	26.7	26.6	100.4	102.7	27.1	27.0	100.4	101.5	7.4	7.5	98.7	93.7	67	68	98.5	93.0	
E2	5.3	5.4	98.1	117.8	26.7	26.6	100.4	102.7	27.4	27.3	100.4	102.6	8.1	8.2	98.8	102.5	72	68	105.9	100.0	
F2	5.8	5.8	100.0	128.9	26.0	26.0	100.0	100.0	26.6	26.6	100.0	99.6	8.6	8.3	103.6	108.9	84	80	105.0	116.7	
H2		6.0				26.5				26.6								69			
I2	5.3	4.8	110.4	117.8	25.5	25.4	100.4	98.1	26.2	26.2	100.0	98.1	8.4	7.5	112.0	106.3	68	69	98.6	94.4	
J2		5.1				25.6				26.3				8.7				69			
K2		5.2				26.1				26.8				8.0				79			
M2	2.6	4.3	60.5	57.8	24.7	25.9	95.4	95.0	26.1	26.8	97.4	97.8	7.5	7.8	96.2	94.9	82	86	95.3	113.9	
O2	5.2	4.9	106.1	115.6	26.7	26.6	100.4	102.7	26.8	26.7	100.4	100.4	8.2	7.8	105.1	103.8	70	74	94.6	97.2	
P2		4.3				26.1				27.1				7.7				75			
Q2	5.6	5.7	98.2	124.4	25.7	25.8	99.6	98.8	26.3	26.4	99.6	98.5	7.6	7.9	96.2	96.2	67	68	98.5	93.0	
T2		0.9				24.7				26.6				8.0				65			
U2	5.0	4.8	104.2	111.1	25.7	25.8	99.6	98.8	25.8	25.9	99.6	96.6	7.7	7.7	100.0	97.5	79	75	105.3	109.7	
W2		3.7				26.4				26.4				8.6				80			
X2		4.6				26.0				26.8				8.2				67			
Y2	4.3	4.4	97.7	95.6	26.0	26.0	100.0	100.0	27.0	27.0	100.0	101.1	7.6	7.6	100.0	96.2	72	72	100.0	100.0	
Z2	4.1	4.0	102.5	91.1	26.2	26.3	99.6	100.8	26.3	26.4	99.6	98.5	7.7	8.0	96.2	97.5	78	73	106.8	108.3	
A3	5.6	5.7	98.2	124.4	26.6	26.2	101.5	102.3	27.2	26.8	101.5	101.9	8.8	9.0	97.8	111.4	69	69	100.0	95.8	
C3		1.5				25.2				26.9				7.4				76			
FKI DATA																					
CUR.																					
AV.				4.4					25.8					8.0					72		
CUM.																					
AV.				4.5					26.0					7.9					72		
IND.																					
*D				97.8					99.2					101.3					100.0		

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

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		5.6				26.0				26.6				7.4				70		
H1		2.7				25.3				26.7				7.3				68		
I1		3.2				25.3				26.5				7.4				74		
J1	2.5	3.0	83.3	55.6	25.2	26.2	96.2	97.3	26.6	26.6	100.0	99.6	8.3	8.1	102.5	105.1	73	74	98.6	101.4
L1	4.6	5.5	83.6	102.2	25.5	25.8	98.8	98.4	26.4	26.5	99.6	98.9	7.7	7.8	98.7	97.5	66	67	98.5	91.7
M1	3.6	3.2	112.5	80.0	26.0	26.2	99.2	100.4	26.1	27.2	96.0	97.8	8.5	8.5	100.0	107.6	67	68	98.5	93.0
N1	6.2	6.1	101.6	137.8	26.0	26.4	98.5	100.4	26.1	26.5	98.5	97.8					69	68	101.5	95.8
S1		4.8				25.8				26.5				8.0				80		
T1		5.2				26.9				27.3				7.3				66		
V1		5.9				26.5				26.6				8.6				66		
X1	4.5	4.7	95.7	100.0	25.4	25.7	98.8	98.1	26.3	26.6	98.9	98.5	7.3	7.5	97.3	92.4	69	73	94.5	95.8
Y1		3.4				25.7				27.0				7.4				67		
Z1		0.5				24.7				26.5				8.0				65		
B2		5.3				26.1				26.4				8.2				76		
C2	3.8	3.8	100.0	84.4	25.2	25.0	100.8	97.3	26.3	26.1	100.8	98.5	7.5	7.6	98.7	94.9	75	78	96.2	104.2
D2		4.6				26.6				27.3				7.5				68		
E2	4.9	5.4	90.7	108.9	26.3	26.6	98.9	101.5	27.1	27.3	99.3	101.5	7.7	8.2	93.9	97.5	69	69	100.0	95.8
F2	5.7	5.8	98.3	126.7	26.1	26.0	100.4	100.8	26.7	26.5	100.4	100.0	8.4	8.3	101.2	106.3	81	80	101.2	112.5
H2		6.0				26.5				26.6								69		
I2	5.1	5.0	102.0	113.3	25.4	25.4	100.0	98.1	26.1	26.2	99.6	97.8	8.4	7.6	110.5	106.3	67	68	98.5	93.0
J2		5.1				25.6				26.3				8.7				69		
K2		5.0				26.0				26.8				8.0				76		
M2	2.2	4.0	55.0	48.9	24.5	25.7	95.3	94.6	26.0	26.7	97.4	97.4	7.2	7.7	93.5	91.1	83	86	96.5	115.3
O2	5.9	5.0	118.0	131.1	26.3	26.7	98.5	101.5	26.4	26.8	98.5	98.9	8.4	8.0	105.0	106.3	66	72	91.7	91.7
P2		4.2				26.1				27.1				7.6				75		
Q2	5.8	5.6	103.6	128.9	25.5															

CUR.	
AV.	4.4
CUM.	
AV.	4.5
IND.	
#D	97.8

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

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	4.4	88.6	86.7	32.5	33.1	98.2	99.1	33.9	33.6	100.9	100.9	9.6	9.4	102.1	99.0	89	90	98.9	102.3
B1		5.7				32.4				33.2				9.4			83			
H1	4.4	3.4	129.4	97.8	32.7	32.2	101.6	99.7	33.9	33.7	100.6	100.9	9.8	8.8	111.4	101.0	86	86	100.0	98.8
I1		3.4				32.2				33.7				9.8			84			
J1	2.1	3.6	58.3	46.7	31.8	33.1	96.1	97.0	33.8	33.6	100.6	100.6	10.1	10.0	101.0	104.1	88	88	100.0	101.1
L1	6.2	5.4	114.8	137.8	32.7	32.6	100.3	99.7	33.3	33.5	99.4	99.1	10.3	10.1	102.0	106.2	79	82	96.3	90.8
M1	3.4	3.6	94.4	75.6	32.8	32.4	101.2	100.0	33.0	33.7	97.9	98.2	10.2	10.6	96.2	105.2	83	80	103.8	95.4
N1		6.0				33.0				33.1				8.3			81			
O1		5.2				32.0				32.9				9.2			87			
S1	4.7	5.1	92.2	104.4	31.7	32.2	98.4	96.6	32.8	33.2	98.8	97.6	9.8	9.2	106.5	101.0	101	96	105.2	116.1
T1		5.4				33.6				34.1				8.8			81			
U1		4.9				33.1				33.3				10.3			90			
V1		5.2				33.4				33.5				10.2			81			
W1	4.3	4.2	102.4	95.6	33.1	33.5	98.8	100.9	33.4	33.8	98.8	99.4	9.3	9.7	95.9	95.9	78	78	100.0	89.6
X1	4.9	4.6	106.5	108.9	32.5	32.6	99.7	99.1	33.5	33.8	99.1	99.7	9.8	9.6	102.1	101.0	82	85	96.5	94.2
Y1	3.1	3.4	91.2	68.9	32.0	32.3	99.1	97.6	33.6	33.9	99.1	100.0	9.2	9.5	96.8	94.8	80	83	96.4	92.0
Z1	2.8	3.1	90.3	62.2	31.7	32.0	99.1	96.6	33.4	33.7	99.1	99.4	10.2	10.2	100.0	105.2	84	86	97.7	96.6
B2		4.8				33.4				33.6				10.2			92			
C2	4.0	4.0	100.0	88.9	31.8	31.8	100.0	97.0	33.1	33.1	100.0	98.5	8.8	8.9	98.9	90.7	92	97	94.8	105.7
D2		4.6				33.5				34.0				9.3			87			
E2	5.3	5.7	93.0	117.8	33.2	33.3	99.7	101.2	34.1	34.0	100.3	101.5	9.6	9.9	97.0	99.0	82	81	101.2	94.2
F2	6.5	6.5	100.0	144.4	33.0	33.0	100.0	100.6	33.5	33.5	100.0	99.7	10.6	10.5	101.0	109.3	101	96	105.2	116.1
H2	5.6	5.8	96.6	124.4	33.3	33.2	100.3	101.5	33.4	33.3	100.3	99.4					83	86	96.5	95.4
I2		4.5				32.3				33.5				9.3			85			
J2		5.1				32.0				32.9				10.5			85			
K2	5.3	5.7	93.0	117.8	32.8	32.8	100.0	100.0	33.7	33.6	100.3	100.3	9.8	10.2	96.1	101.0	80	86	93.0	92.0
M2	4.7	4.6	102.2	104.4	32.0	32.6	98.2	97.6	33.1	33.7	98.2	98.5	9.6	9.5	101.0	99.0	100	100	100.0	114.9
O2	4.8	4.5	106.7	106.7	33.4	33.2	100.6	101.8	33.5	33.3	100.6	99.7	10.3	9.4	109.6	106.2	84	90	93.3	96.6
Q2	5.7	6.0	95.0	126.7	33.1	33.0	100.3	100.9	33.9	33.6	100.9	100.9	9.6	9.7	99.0	99.0	78	82	95.1	89.6
T2		4.5				32.4				33.6				9.7			84			
U2	4.9	5.4	90.7	108.9	32.6	32.8	99.4	99.4	32.8	33.0	99.4	97.6	9.9	9.9	100.0	102.1	94	86	109.3	108.0
W2	3.8	3.9	97.4	84.4	32.7	33.3	98.2	99.7	34.1	33.5	101.8	101.5	10.3	10.0	103.0	106.2	95	93	102.2	109.2
X2	4.4	4.5	97.8	97.8	32.7	32.9	99.4	99.7	33.9	34.0	99.7	100.9	9.6	10.2	94.1	99.0	80	83	96.4	92.0
Y2	4.7	4.8	97.9	104.4	32.8	32.8	100.0	100.0	33.9	33.9	100.0	100.9	9.3	9.3	100.0	95.9	86	86	100.0	98.8
Z2	4.8	4.5	106.7	106.7	33.2	33.4	99.4	101.2	33.3	33.5	99.4	99.1	9.8	9.6	102.1	101.0	87	93	93.5	100.0
A3		5.7				33.0				33.8				10.6			86			
B3	5.7	5.6	101.8	126.7	33.1	33.5	98.8	100.9	33.9	34.3	98.8	100.9	10.4	9.8	106.1	107.2	87	90	96.7	100.0
C3	2.2	2.6	84.6	48.9	31.4	31.5	99.7	95.7	33.3	33.3	100.0	99.1	9.2	9.4	97.9	94.8	95	90	105.6	109.2
D3	4.0	4.0	100.0	88.9	33.5	33.4	100.3	102.1	33.8	33.7	100.3	100.6	10.3	10.2	101.0	106.2	98	92	106.5	112.6
FKI DATA																				
CUR.																				
AV. 4.5																				
CUM.																				
AV. 4.5																				
IND.																				
*D 100.0																				
99.4																				
99.7																				
101.0																				
100.0																				

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

TABLE IV
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB. FOURDRINIER KRAFT LINERBOARD
JUNE, 1973

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	2.3	4.2	54.8	51.1	31.9	33.1	96.4	97.2	33.8	33.7	100.3	100.6	9.6	9.4	102.1	99.0	88	90	97.8	101.1
B1		5.6				32.5				33.2				9.4				83		
M1	4.4	3.5	125.7	97.8	33.0	32.2	102.5	100.6	34.2	33.8	101.2	101.8	10.5	8.9	118.0	108.2	82	86	95.3	94.2
I1		3.5				32.4				33.9				9.8				85		
J1	2.4	2.8	85.7	53.3	31.8	32.9	96.6	97.0	33.7	33.6	100.3	100.3	9.7	10.0	97.0	100.0	87	88	98.9	100.0
L1	5.0	5.5	90.9	111.1	32.4	32.6	99.4	98.8	33.4	33.5	99.7	99.4	10.2	10.1	101.0	105.2	80	82	97.6	92.0
M1	3.4	3.5	97.1	75.6	32.7	32.5	100.5	99.7	32.9	33.6	97.9	97.9	10.3	10.6	97.2	106.2	80	80	100.0	92.0
N1		6.0				33.0				33.0								82		
O1		5.2				32.0				32.9				8.3				87		
S1	5.1	4.7	108.5	113.3	31.7	32.0	99.1	96.6	32.6	33.1	98.5	97.0	9.0	9.3	96.8	92.8	102	98	104.1	117.2
T1		5.4				33.6				34.1				8.8				81		
U1		4.9				33.2				33.3				10.3				90		
V1		5.5				33.3				33.4				10.3				81		
W1	4.4	4.2	104.8	97.8	33.2	33.4	99.4	101.2	33.5	33.7	99.4	99.7	9.6	9.7	99.0	99.0	82	78	105.1	94.2
X1	4.9	4.6	106.5	108.9	32.5	32.6	99.7	99.1	33.5	33.7	99.4	99.7	9.6	9.7	99.0	99.0	83	85	97.6	95.4
Y1	3.1	3.4	91.2	68.9	31.5	32.3	97.5	96.0	33.1	33.8	97.9	98.5	9.8	9.4	104.2	101.0	78	83	94.0	89.6
Z1	2.4	3.0	80.0	53.3	31.6	31.9	99.0	96.3	33.5	33.6	99.7	99.7	10.4	10.2	102.0	107.2	84	86	97.7	96.6
B2		4.7				33.8				33.9				10.6				89		
C2	3.9	4.0	97.5	86.7	31.7	31.8	99.7	96.6	33.1	33.1	100.0	98.5	8.6	9.0	95.6	88.6	93	96	96.9	106.9
D2		4.6				33.5				34.0				9.3				87		
E2	5.0	5.7	87.7	111.1	33.0	33.3	99.1	100.6	34.0	34.0	100.0	101.2	9.9	9.9	100.0	102.1	77	81	95.1	88.5
F2	6.4	6.5	98.5	142.2	33.0	33.0	100.0	100.6	33.5	33.5	100.0	99.7	10.8	10.6	101.9	111.3	89	97	91.8	102.3
H2	5.7	5.7	100.0	126.7	33.4	33.3	100.3	101.8	33.5	33.4	100.3	99.7					87	85	102.4	100.0
I2		4.7				32.2				33.3				9.3				86		
J2		5.1				32.0				32.9				10.5				85		
K2	5.5	5.6	98.2	122.2	32.9	32.8	100.3	100.3	33.7	33.6	100.3	100.3	10.1	10.2	99.0	104.1	82	85	96.5	94.2
M2	4.6	4.6	100.0	102.2	31.9	32.5	98.2	97.2	33.0	33.6	98.2	98.2	9.3	9.5	97.9	95.9	98	100	98.0	112.6
O2	5.4	4.6	117.4	120.0	32.3	33.3	97.0	98.5	32.4	33.4	97.0	96.4	9.9	9.6	103.1	102.1	79	89	88.8	90.8
Q2	5.6	5.9	94.9	124.4	32.7	33.0	99.1	99.7	33.5	33.7	99.4	99.7	9.6	9.7	99.0	99.0	80	80	100.0	92.0
T2		4.5				32.4				33.6				9.7				84		
U2	4.9	5.3	92.4	108.9	32.6	32.7	99.7	99.4	32.8	32.9	99.7	97.6	9.9	9.9	100.0	102.1	98	88	111.4	112.6
W2	4.0	3.9	102.6	88.9	33.0	33.3	99.1	100.6	33.2	33.6	98.8	98.8	9.8	10.0	98.0	101.0	101	93	108.6	115.1
X2		4.5				32.9				34.0				10.0				82		
Y2	4.7	4.8	97.9	104.4	32.9	32.8	100.3	100.3	34.0	33.9	100.3	101.2	9.5	9.3	102.2	97.9	88	86	102.3	101.1
Z2	4.7	4.6	102.2	104.4	33.1	33.4	99.1	100.9	33.2	33.5	99.1	98.8	9.7	9.7	100.0	100.0	98	93	105.4	112.6
A3		5.4				33.2				34.0				10.6				86		
B3	5.5	5.7	96.5	122.2	33.2	33.4	99.4	101.2	34.0	34.2	99.4	101.2	10.8	10.0	108.0	111.3	86	89	96.6	98.8
C3	2.9	2.5	116.0	64.4	31.9	31.5	101.3	97.2	33.6	33.3	100.9	100.0	8.9	9.4	94.7	91.8	91	90	101.1	104.6
O3	3.9	4.0	97.5	86.7	33.3	33.4	99.7	101.5	33.4	33.7	99.1	99.4	10.2	10.2	100.0	105.2	95	93	102.2	109.2
FKI DATA																				
CUR.																				
AV. 4.4																				
CUM.																				
AV. 4.5																				
IND.																				
*D 97.8																				
99.1																				
99.4																				
101.0																				
101.1																				

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

TABLE V
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB. FOURDRINIER KRAFT LINERBOARD
MAY, 1973

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.-G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1	5.4	5.2	103.8	108.0	38.6	38.3	100.8	102.1	39.6	39.4	100.5	102.3	10.2	10.3	99.0	93.6	95	94	101.1	96.9
D1	4.7	4.8	97.9	94.0	37.8	37.9	99.7	100.0	39.1	39.2	99.7	101.0		10.6			97	95	102.1	99.0
G1	5.4	5.5	98.2	108.0	37.5	37.3	100.5	99.2	38.5	38.3	100.5	99.5	10.7	10.1	105.9	98.2	114	114	100.0	116.3
H1	4.7	3.8	123.7	94.0	37.5	37.2	100.8	99.2	38.8	38.8	100.0	100.2	11.0	10.1	108.9	100.9	98	98	100.0	100.0
I1	4.2	3.9	107.7	84.0	37.1	37.4	99.2	98.1	38.5	38.9	99.0	99.5	11.7	11.8	99.2	107.3	95	95	100.0	96.9
J1	2.7	0.0	0.0	54.0	37.8	38.0	99.5	100.0	39.9	38.4	103.9	103.1	11.3	10.7	105.6	103.7	100	100	100.0	102.0
K1	5.7	5.7	100.0	114.0	37.7	37.8	99.7	99.7	38.6	38.6	100.0	99.7	11.4	11.1	102.7	104.6	94	95	98.9	95.9
L1	5.5	5.0	110.0	110.0	37.3	37.5	99.5	98.7	38.2	38.7	98.7	98.7	12.0	11.6	103.4	110.1	90	92	97.8	91.8
M1	4.0	4.7	85.1	80.0	37.6	37.4	100.5	99.5	37.8	38.4	98.4	97.7	10.6	11.1	95.5	97.2	90	92	97.8	91.8
O1		6.0				37.0				37.7				9.5				99		
P1		5.2				38.4				39.5				10.9				99		
S1		5.0				37.1				38.2				10.5				107		
U1	4.9	5.0	98.0	98.0	37.6	38.1	98.7	99.5	37.7	38.3	98.4	97.4	11.3	11.2	100.9	103.7	94	99	94.9	95.9
V1	5.9	5.4	109.2	118.0	38.4	38.4	100.0	101.6	38.5	38.5	100.0	99.5	11.1	10.5	105.7	101.8	99	97	102.1	101.0
W1		4.5				38.1				38.4				10.9				97		
X1	4.9	4.7	104.2	98.0	37.4	37.6	99.5	98.9	38.6	38.8	99.5	99.7	11.0	11.2	98.2	100.9	93	95	97.9	94.9
Y1	3.3	4.0	82.5	66.0	36.8	37.6	97.9	97.4	38.6	39.2	98.5	99.7	10.9	10.8	100.9	100.0	90	92	97.8	91.8
C2	4.1	4.2	97.6	82.0	36.7	36.6	100.3	97.1	38.2	38.0	100.5	98.7	9.9	10.1	98.0	90.8	109	107	101.9	111.2
E2	5.5	6.2	88.7	110.0	38.2	38.6	99.0	101.0	39.2	39.3	99.7	101.3	11.0	11.3	97.3	100.9	99	95	104.2	101.0
F2		7.0				37.9				38.2				10.9				99		
H2	5.6	5.6	100.0	112.0	38.3	38.2	100.3	101.3	38.4	38.3	100.3	99.2					93	96	96.9	94.9
K2	7.1	6.5	109.2	142.0	38.4	37.7	101.8	101.6	38.7	38.2	101.3	100.0	11.5	11.6	99.1	105.5	88	93	94.6	89.8
L2	5.6	5.5	101.8	112.0	38.0	38.5	98.7	100.5	38.1	38.6	98.7	98.4	10.4	10.5	99.0	95.4	95	100	95.0	96.9
M2	5.0	5.4	92.6	100.0	37.3	37.7	98.9	98.7	38.4	38.7	99.2	99.2	10.1	10.1	100.0	92.7	110	113	97.3	112.2
O2	4.9	4.7	104.2	98.0	38.4	38.1	100.8	101.6	38.5	38.2	100.8	99.5	11.2	10.5	106.7	102.8	94	100	94.0	95.9
P2	6.5	6.0	108.3	130.0	38.4	38.3	100.3	101.6	38.9	39.0	99.7	100.5	11.5	11.1	103.6	105.5	93	95	97.9	94.9
S2	4.6	5.0	92.0	92.0	38.3	37.3	102.7	101.3	38.4	38.2	100.5	99.2	10.1	10.4	97.1	92.7	114	100	114.0	116.3
U2		5.8				37.7				37.9				11.3				98		
V2	5.4	5.5	98.2	108.0	38.0	38.8	97.9	100.5	39.0	39.8	98.0	100.8	10.1	11.1	91.0	92.7	99	102	97.0	101.0
W2	4.5	4.2	107.1	90.0	38.0	38.3	99.2	100.5	39.4	38.5	102.3	101.8	11.5	11.2	102.7	105.5	98	101	97.0	100.0
Y2	5.3	5.8	91.4	106.0	37.8	37.9	99.7	100.0	38.8	38.7	100.2	100.2	10.8	10.7	100.9	99.1	100	99	101.0	102.0
Z2	4.6	4.2	109.5	92.0	38.3	38.3	100.0	101.3	38.4	38.4	100.0	99.2	10.9	10.8	100.9	100.0	100	104	96.2	102.0
B3		6.0				38.8				39.6				11.4				99		
C3		3.4				36.5				38.2				11.1				99		
D3	4.9	4.7	104.2	98.0	38.4	38.4	100.0	101.6	38.7	38.7	100.0	100.0	11.7	11.6	100.9	107.3	104	99	105.0	106.1
E3	6.3	6.4	98.4	126.0	37.6	37.5	100.3	99.5	38.2	38.1	100.3	98.7	10.5	10.6	99.0	96.3	87	86	101.2	88.8
FKI DATA																				
CUR.																				
AV. 5.0																				
CUM.																				
AV. 5.0																				
IND.																				
*D 100.0																				
100.0																				
99.7																				
100.0																				
100.0																				

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

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				BURSTING STRENGTH, P.S.I.G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
C1	5.3	5.2	101.9	106.0	38.8	38.4	101.0	102.6	39.8	39.5	100.8	103.1	10.1	10.3	98.0	92.7	94	94	100.0	95.9
D1		4.7				37.9				39.2				10.6				95		
G1		5.5				37.4				38.3				10.2				114		
H1	4.7	3.9	120.5	94.0	37.5	37.2	103.8	99.2	38.8	38.8	100.0	100.5	11.4	10.2	111.8	104.6	95	98	98.0	98.0
I1	3.2	4.0	80.0	64.0	36.6	37.4	97.9	96.8	38.4	38.9	98.7	99.5	11.5	11.8	97.4	105.5	95	95	100.0	96.9
J1		2.7				37.9				39.2				11.0				100		
K1	5.8	5.7	101.8	116.0	37.2	37.7	98.7	98.4	38.0	38.6	98.4	98.4	10.9	11.2	97.3	100.0	91	95	95.8	92.8
L1	4.8	5.0	96.0	96.0	37.2	37.5	99.2	98.4	38.4	38.6	99.5	99.5	11.9	11.6	102.6	109.2	90	92	97.8	91.8
M1	3.5	4.6	76.1	70.0	37.8	37.4	101.1	100.0	38.0	38.4	99.0	98.4	11.4	11.0	103.6	104.6	90	92	97.8	91.8
O1		6.0				37.0				37.7				9.5				99		
P1		5.2				38.4				39.5				10.9				99		
S1		4.9				37.0				38.1				10.5				107		
U1	5.4	5.0	108.0	108.0	37.9	38.1	99.5	100.3	38.0	38.2	99.5	98.4	11.7	11.3	103.5	107.3	98	98	100.0	100.0
V1	5.5	5.4	101.8	110.0	38.7	38.4	100.9	102.4	38.8	38.5	100.8	100.5	11.6	10.6	109.4	106.4	95	97	99.0	98.0
W1		4.5				38.1				38.4				10.9				97		
X1	4.7	4.7	100.0	94.0	37.3	37.6	99.2	98.7	38.6	38.8	99.5	100.0	11.1	11.2	99.1	101.8	94	95	98.9	95.9
Y1	3.3	3.9	84.6	66.0	36.7	37.6	97.6	97.1	38.5	39.1	98.5	99.7	10.8	10.8	100.0	99.1	89	92	96.7	90.8
Z2	4.1	4.2	97.6	82.0	36.6	36.6	100.0	96.8	38.1	38.0	100.3	98.7	9.8	10.0	98.0	89.9	103	107	96.3	105.1
E2		5.9				38.5				39.3				11.2				96		
F2		7.0				37.9				38.2				10.9				99		
H2	5.6	5.6	100.0	112.0	38.1	38.2	99.7	100.8	38.2	38.3	99.7	99.0			</					

AV. 5.0
CUM.
AV. 5.0
IND.
*D 100.0

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

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

MAY, 1973

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	3.5	134.3	88.7	41.3	41.8	98.8	98.8	42.7	42.4	100.7	100.2	12.1	12.0	100.8	100.8	111	108	102.8	103.7
C1	6.2	6.4	96.9	117.0	42.8	42.3	101.2	102.4	43.5	42.9	101.4	102.1	11.2	11.3	99.1	93.3	103	104	99.0	96.3
D1	4.5	5.2	86.5	84.9	41.2	41.5	99.3	98.6	42.7	42.7	100.0	100.2	11.7	11.6	100.9	97.5	102	104	98.1	95.3
E1	5.5	4.7	117.0	103.8	41.8	41.5	100.7	100.0	42.8	42.9	99.8	100.5	11.8	11.2	105.4	98.3	109	110	99.1	101.9
F1	5.3				41.3				42.4				12.6				113			
G1	6.2	6.0	103.3	117.0	41.1	41.2	99.8	98.3	41.8	42.0	99.5	98.1	11.8	11.6	101.7	98.3	118	116	101.7	110.3
H1	5.2	4.0	130.0	98.1	41.6	41.2	101.0	99.5	42.8	42.9	99.8	100.5	11.9	11.1	107.2	99.2	105	107	98.1	98.1
I1	4.6	4.6	100.0	86.8	41.4	41.5	99.8	99.0	42.8	42.9	99.8	100.5	12.9	12.7	101.6	107.5	104	104	100.0	97.2
J1	3.1	3.6	86.1	58.5	40.7	41.9	97.1	97.4	42.8	42.5	100.7	100.5	12.0	11.9	100.8	100.0	110	110	100.0	102.8
K1	6.5	5.9	110.2	122.6	41.8	41.8	100.0	100.0	42.4	42.7	99.3	99.5	12.8	12.4	103.2	106.7	98	103	95.1	91.6
L1	4.4				41.4				42.9				12.3				106			
M1	4.3	4.8	89.6	81.1	41.9	41.5	101.0	100.2	42.1	42.6	98.8	98.8	11.7	12.1	96.7	97.5	100	101	99.0	93.4
O1	5.5	5.6	98.2	103.8	41.5	41.5	100.0	99.3	42.5	42.5	100.0	99.8	11.2	11.2	100.0	93.3	106	111	95.5	99.1
P1	5.4	5.4	100.0	101.9	41.8	42.0	99.5	100.0	42.9	43.1	99.5	100.7	12.1	12.3	98.4	100.8	103	103	100.0	96.3
Q1	5.3				41.4				42.5				11.7				118			
R1	5.9	6.3	93.6	111.3	41.8	41.8	100.0	100.0	42.7	42.5	100.5	100.2	12.2	12.0	101.7	101.7	108	106	101.9	100.9
S1	4.8	4.8	100.0	90.6	40.5	40.7	99.5	96.9	41.8	42.0	99.5	98.1	11.9	11.8	100.8	99.2	114	116	98.3	106.5
U1	5.2	5.2	100.0	98.1	41.8	42.1	99.3	100.0	41.9	42.3	99.0	98.4	12.1	12.4	97.6	100.8	103	106	97.2	96.3
V1	6.3	5.7	110.5	118.9	41.9	42.3	99.0	100.2	42.0	42.4	99.0	98.6	12.0	12.2	98.4	100.0	110	104	105.8	102.8
W1	4.9	4.6	106.5	92.4	42.2	42.4	99.5	101.0	42.6	42.8	99.5	100.0	11.8	12.2	96.7	98.3	98	101	97.0	91.6
X1	4.8	4.7	102.1	90.6	41.3	41.4	99.8	98.8	42.6	42.8	99.5	100.0	12.5	12.4	100.8	104.2	101	104	97.1	94.4
Y1	3.8	4.4	86.4	71.7	40.5	41.4	97.8	96.9	42.2	42.9	98.4	99.1	11.5	11.7	98.3	95.8	103	105	98.1	96.3
Z1	5.5	5.5	100.0	103.8	41.5	41.6	99.8	99.3	42.5	42.6	99.8	99.8	13.0	13.0	100.0	108.3	105	106	99.0	98.1
C2	4.3	4.1	104.9	81.1	40.6	40.5	100.2	97.1	42.1	42.1	100.0	98.8	11.0	11.2	98.2	91.7	112	111	100.9	104.7
E2	5.7	6.2	91.9	107.5	42.4	42.5	99.8	101.4	43.4	43.2	100.5	101.9	11.6	12.2	95.1	96.7	105	106	99.0	98.1
F2	6.8				42.1				42.6				12.0				108			
G2	4.9	4.8	102.1	92.4	41.2	41.3	99.8	98.6	42.5	42.7	99.5	99.8	12.0	11.7	102.6	100.0	104	106	98.1	97.2
H2	5.6	5.6	100.0	105.7	42.1	42.2	99.8	100.7	42.2	42.3	99.8	99.1					102	102	100.0	95.3
K2	7.3	7.1	102.8	137.7	42.3	41.9	101.0	101.2	42.5	42.3	100.5	99.8	12.8	12.6	101.6	106.7	102	103	99.0	95.3
L2	5.9	5.8	101.7	111.3	42.1	42.4	99.3	100.7	42.2	42.4	99.5	99.1	11.1	11.4	97.4	92.5	106	104	101.9	99.1
M2	6.0	5.8	103.4	113.2	41.5	41.7	99.5	99.3	42.3	42.6	99.3	99.3	11.1	11.2	99.1	92.5	117	119	98.3	109.3
N2	5.3				42.6				42.7				12.6				108			
O2	4.8	4.8	100.0	90.6	42.4	42.2	100.5	101.4	42.5	42.3	100.5	99.8	12.7	12.1	105.0	105.8	104	108	96.3	97.2
P2	6.8	6.2	109.7	128.3	41.8	41.7	100.2	100.0	42.3	42.4	99.8	99.3	12.2	11.9	102.5	101.7	102	104	98.1	95.3
R2	3.6	4.6	78.3	67.9	42.3	41.5	101.9	101.2	42.5	42.6	99.8	99.8	11.3	11.4	99.1	94.2	106	105	101.0	99.1
S2	5.1	5.1	100.0	96.2	41.9	41.2	101.7	100.2	42.0	42.4	99.0	98.6	11.3	11.6	97.4	94.2	119	109	109.2	111.2
T2	5.9	5.8	101.7	111.3	41.7	41.7	100.0	99.8	42.6	42.6	100.0	100.0	12.6	12.5	100.8	105.0	107	108	99.1	100.0
U2	6.0	6.0	100.0	113.2	41.3	41.5	99.5	98.8	41.5	41.7	99.5	97.4	12.0	12.2	98.4	100.0	111	106	104.7	103.7
V2	5.6	5.9	94.9	105.7	42.1	42.5	99.0	100.7	43.1	43.4	99.3	101.2	11.5	12.1	95.0	95.8	106	107	99.1	99.1
W2	4.6	4.6	100.0	86.8	42.0	42.3	99.3	100.5	43.5	42.5	102.4	102.1	12.1	12.4	97.6	100.8	114	108	105.6	106.5
X2	5.0	4.5	111.1	94.3	41.9	41.5	101.0	100.2	43.2	43.0	100.5	101.4	13.2	13.0	101.5	110.0	105	107	98.1	98.1
Y2	5.7	6.0	95.0	107.5	41.9	41.7	100.5	100.2	42.9	42.6	100.7	100.7	12.1	11.8	102.5	100.8	107	105	101.9	100.0
Z2	4.9				42.1				42.2				12.3				110			
B3	5.8	5.8	100.0	109.4	42.0	42.0	100.0	100.5	42.9	43.0	99.8	100.7	12.8	12.6	101.6	106.7	103	104	99.0	96.3
C3	4.3	4.1	104.9	81.1	40.7	40.8	99.8	97.4	42.2	42.4	99.5	99.1	11.9	12.0	99.2	99.2	102	105	97.1	95.3
D3	4.9	4.9	100.0	92.4	42.4	42.4	100.0	101.4	42.8	42.8	100.0	100.5	12.8	12.6	101.6	106.7	106	104	101.9	99.1
E3	6.8	7.0	97.1	128.3	41.7	41.7	100.0	99.8	42.2	42.1	100.2	99.1	11.5	11.5	100.0	95.8	100	100	100.0	93.4

FKI DATA

CUR.				
AV.	5.3	41.7	42.5	12.0
CUM.				
AV.	5.3	41.8	42.6	12.0
IND.				
*D 100.0		99.8	99.8	100.0
				99.1

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, 1973

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	4.2	4.1	102.4	71.2	67.6	68.6	98.5	98.5	70.2	69.4	101.2	100.7	20.3	20.2	100.5	103.6	150	146	102.7	104.2	
C1	8.7	7.8	111.5	147.4	68.9	69.0	99.8	100.4	68.2	69.0	98.8	97.8	18.4	18.6	98.9	93.9	138	142	97.2	95.8	
D1	6.0	5.8	103.4	101.7	67.9	68.3	99.4	99.0	69.3	69.8	99.3	99.4	19.1	19.2	99.5	97.4	135	134	100.7	93.8	
E1	5.6	5.2	107.7	94.9	68.4	68.0	100.6	99.7	70.0	69.9	100.1	100.4	20.1	19.9	101.0	102.6	135	138	97.8	93.8	
F1	5.9	5.9	100.0	100.0	68.3	68.0	100.4	99.6	69.7	69.4	100.4	100.0	18.7	18.7	100.0	95.4	160	153	104.6	111.1	
G1		6.9				68.6				69.3				19.3				148			
I1	5.1	5.3	96.2	86.4	68.6	68.3	100.4	100.0	70.6	70.1	100.7	101.3	20.4	20.4	100.0	104.1	141	142	99.3	97.9	
J1	4.6	3.7	124.3	78.0	67.6	68.8	98.2	98.5	70.0	69.8	100.3	100.4	20.2	19.8	102.0	103.1	144	149	96.6	100.0	
K1	7.0	6.4	109.4	118.6	68.8	68.8	100.0	100.3	69.4	69.8	99.4	99.6	21.4	20.4	104.9	109.2	129	135	95.6	89.6	
O1	6.4	6.3	101.6	108.5	68.6	68.4	100.3	100.0	69.6	69.5	100.1	99.8	19.9	18.7	106.4	101.5	137	145	94.5	95.1	
P1	6.0	6.2	96.8	101.7	68.4	68.5	99.8	99.7	69.8	69.7	100.1	100.1	20.2	20.0	101.0	103.1	137	136	100.7	95.1	
Q1		6.6				68.8				69.6				18.9				143			
R1	7.0	7.4	94.6	118.6	68.8	68.7	100.1	100.3	69.4	69.0	100.6	99.6	19.4	19.9	97.5	99.0	156	146	106.8	108.3	
U1		5.7				69.8				70.0				18.8				146			
V1	6.8	6.6	103.0	115.2	68.8	69.2	99.4	100.3	69.0	69.4	99.4	99.0	20.2	19.8	102.0	103.1	138	150	92.0	95.8	
W1	5.7	5.4	105.6	96.6	68.9	69.2	99.6	100.4	69.5	69.8	99.6	99.7	18.5	19.1	96.8	94.4	138	139	99.3	95.8	
Y1	4.7	5.0	94.0	79.7	66.7	68.0	98.1	97.2	69.0	70.1	98.4	99.0	19.5	19.4	100.5	99.5	141	143	98.6	97.9	
A2		5.1				67.6				69.6				19.4				143			
C2		3.9				66.2				69.0				18.4				155			
E2		7.0				69.8				70.4				19.4				142			
F2		7.4				69.6				69.9				19.0				142			
G2	5.1	5.1	100.0	86.4	67.9	68.2	99.6	99.0	69.9	70.2	99.6	100.3	18.9	18.4	102.7	96.4	139	145	95.9	96.5	
H2	6.0	5.8	103.4	101.7	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.4					141	145	97.2	97.9	
K2	7.7	7.4	104.0	130.5	69.6	69.4	100.3	101.4	69.7	69.6	100.1	100.0	21.0	20.8	101.0	107.1	139	141	98.6	96.5	
L2		6.1				69.5				69.7				19.0				141			
M2	6.6	6.3	104.8	111.9	68.5	68.6	99.8	99.8	69.4	69.7	99.6	99.6	17.9	18.6	96.2	91.3	148	153	96.7	102.8	
N2	5.7	5.5	103.6	96.6	69.0	69.4	99.4	100.6	69.2	69.7	99.3	99.3	19.8	20.0	99.0	101.0	147	145	101.4	102.1	
O2	5.5	5.4	101.8	93.2	68.6	69.0	99.4	100.0	68.8	69.2	99.4	98.7	19.5	18.3	106.6	99.5	154	156	98.7	106.9	
P2	7.5	6.4	117.2	127.1	69.2	68.7	100.7	100.9	69.4	69.8	99.4	99.6	19.3	19.1	101.0	98.5	139	142	97.9	96.5	
R2	5.2	5.4	96.3	88.1	69.3	68.4	101.3	101.0	69.6	69.9	99.6	99.8	19.3	19.6	98.5	98.5	136	136	100.0	94.4	
S2	5.6	5.5	101.8	94.9	69.0	67.8	101.8	100.6	69.2	69.4	99.7	99.3	17.6	18.3	96.2	89.8	153	150	102.0	106.2	
T2	6.3	6.1	103.3	106.8	68.4	68.3	100.1	99.7	69.5	69.6	99.8	99.7	20.2	20.1	100.5	103.1	140	141	99.3	97.2	
U2	6.7	6.3	106.3	113.6	68.2	68.6	99.4	99.4	68.5	68.9	99.4	98.3	19.7	19.4	101.5	100.5	148	147	100.7	102.8	
V2	7.2	6.7	107.5	122.0	69.1	69.6	99.3	100.7	69.6	70.5	98.7	99.8	20.6	20.2	102.0	105.1	136	140	97.1	94.4	
W2	5.0	5.4	92.6	84.7	68.7	69.2	99.3	100.1	70.8	69.5	101.9	101.6	20.9	21.2	98.6	106.6	144	146	98.6	100.0	
X2	4.6	4.9	93.9	78.0	67.4	68.3	98.7	98.2	69.8	70.5	99.0	100.1	21.4	22.0	97.3	109.2	139	142	97.9	96.5	
Z2		5.0				69.4				69.6				19.8				154			
B3	6.8	7.1	95.8	115.2	68.7	68.5	100.3	100.1	69.5	69.0	100.7	99.7	21.0	20.7	101.4	107.1	141	139	101.4	97.9	
C3	4.7	4.5	104.4	79.7	67.0	66.9	100.1	97.7	69.3	69.3	100.0	99.4	19.0	19.6	96.9	96.9	143	142	100.7	99.3	
D3	5.6	5.4	103.7	94.9	69.9	69.8	100.1	101.9	70.5	70.4	100.1	101.1	20.5	20.1	102.0	104.6	143	139	102.9	99.3	
E3	9.1	8.6	105.8	154.2	68.6	68.7	99.8	100.0	67.6	68.1	99.3	97.0	18.7	18.7	100.0	95.4	138	136	101.5	95.8	
FKI DATA																					
CUR.																					
AV.		6.1				68.5				69.5				19.7				142			
CUM.																					
AV.		5.9				68.6				69.7				19.6				144			
IND.																					
*D 103.4						99.8				99.7				100.5				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, 1973

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	4.2	4.2	100.0	71.2	67.3	68.5	98.2	98.1	69.9	69.5	100.6	100.4	20.3	20.3	100.0	103.6	151	146	103.4	105.6
C1	8.4	8.0	105.0	142.4	68.8	69.0	99.7	100.3	68.3	68.9	99.1	98.1	18.6	18.6	100.0	94.9	141	141	100.0	98.6
D1	6.4	5.8	110.3	108.5	68.4	68.2	100.3	99.7	69.4	69.7	99.6	99.7	19.2	19.2	100.0	98.0	133	134	99.2	93.0
E1	5.5	5.2	105.8	93.2	68.2	68.0	100.3	99.4	69.9	69.9	100.0	100.4	20.7	20.0	103.5	105.6	132	137	96.4	92.3
F1	5.8	5.9	98.3	98.3	67.4	67.9	99.3	98.2	68.9	69.3	99.4	99.0	19.0	18.6	102.2	96.9	155	154	100.6	108.4
G1	6.8	6.9	98.6	115.2	67.7	68.6	98.7	98.7	68.4	69.3	98.7	98.3	19.4	19.3	100.5	99.0	152	148	102.7	106.3
I1	4.8	5.3	90.6	81.4	68.3	68.3	100.0	99.6	70.6	70.1	100.7	101.4	20.6	20.4	101.0	105.1	142	142	100.0	99.3
J1	4.4	4.2	104.8	74.6	67.7	68.7	98.5	98.7	70.2	69.9	100.4	100.9	19.5	19.8	98.5	99.5	148	148	100.0	103.5
K1	6.7	6.4	104.7	113.6	68.9	68.8	100.1	100.4	69.7	69.8	99.8	100.1	20.9	20.5	102.0	106.6	136	134	101.5	95.1
L1	6.1	6.2	98.4	103.4	68.6	68.5	100.1	100.0	69.9	69.7	100.3	100.4	19.6	18.9	103.7	100.0	140	144	97.2	97.9
P1	6.1	6.2	98.4	103.4	68.9	68.5	100.5	100.4	70.1	69.7	100.6	100.7	19.7	20.0	98.5	100.5	141	138	103.7	98.6
Q1		6.7				68.7				69.5				19.0						
R1	7.2	7.3	98.6	122.0	68.9	68.7	100.3	100.4	69.4	69.1	100.4	99.7	19.5	19.8	98.5	99.5	150	147	102.0	104.9
J1		5.7				69.8				70.0				18.8						
V1	6.4	6.6	97.0	108.5	69.4	69.1	100.4	101.2	69.6	69.3	100.4	100.0	20.8	19.9	104.5	106.1	145	149	97.3	101.4
W1	5.4	5.5	98.2	91.5	69.4	69.2	100.3	101.2	70.0	69.8	100.3	100.6	19.4	19.0	102.1	99.0	139	139	100.0	97.2
Y1	4.2	5.0	84.0	71.2	66.3	67.9	97.6	96.6	68.9	70.0	98.4	99.0	20.0	19.4	103.1	102.0	145	143	101.4	101.4
A2		4.9				67.6				69.7				19.4						
C2		3.9				66.2				69.0				18.5						
E2	6.9	7.0	98.6	116.9	69.1	69.7	99.1	100.7	69.8	70.3	99.3	100.3	19.8	19.6	101.0	101.0	136	141	96.4	95.1
F2		7.4				69.6				69.9				19.0						
G2	4.9	5.1	96.1	83.0	67.8	68.2	99.4	98.8	69.9	70.2	99.6	100.4	18.8	18.5	101.6	95.9	138	144	95.8	96.5
H2	5.8	5.8	100.0	98.3	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.6					141	144	97.9	98.6
K2	7.7	7.5	102.7	130.5	69.4	69.4	100.0	101.2	69.5	69.5	99.8	99.8	20.6	20.8	99.0	105.1	141	140	100.7	98.6
L2		6.1				69.5				69.7				19.0						
M2	6.4	6.4	100.0	108.5	67.8	68.6	98.8	98.8	68.8	69.6	98.8	98.8	19.5	18.5	105.4	99.5	151	152	99.3	105.6
N2	5.8	5.5	105.4	98.3	68.8	69.4	99.1	100.3	69.0	69.6	99.1	99.1	20.5	20.0	102.5	104.6	145	145	100.0	101.4
O2	5.7	5.5	103.6	96.6	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.3	18.8	18.4	102.2	95.9	156	156	100.0	109.1
P2	7.2	6.5	110.8	122.0	69.1	68.8	100.4	100.7	69.6	69.7	99.8	100.0	19.4	19.1	101.6	99.0	140	142	98.6	97.9
A2	5.2	5.4	96.3	88.1	69.6	68.5	101.5	101.4	69.9	69.9	100.0	100.4	19.4	19.6	99.0	99.0	137	136	100.7	95.8
S2	5.4	5.5	98.2	91.5	69.0	67.9	101.6	100.6	69.2	69.4	99.7	99.4	18.8	18.2	103.3	95.9	150	150	100.0	104.9
T2	6.3	6.1	103.3	106.8	68.4	68.3	100.1	99.7	69.5	69.5	100.0	99.8	19.9	20.1	99.0	101.5	139	141	98.6	97.2
U2	6.8	6.4	106.2	115.2	68.2	68.5	99.6	99.4	68.5	68.8	99.6	98.4	20.0	19.5	102.6	102.0	155	147	105.4	108.4
V2	6.8	6.8	100.0	115.2	68.7	69.6	98.7	100.1	69.5	70.4	98.7	99.8	20.6	20.3	101.5	105.1	134	139	96.4	93.7
W2	5.4	5.3	101.9	91.5	68.4	69.2	98.8	99.7	68.8	69.6	98.8	98.8	21.2	21.2	100.0	108.2	145	146	99.3	101.4
X2	4.9	4.8	102.1	83.0	68.1	68.3	99.7	99.3	70.2	70.5	99.6	100.9	22.6	21.9	103.2	115.3	139	142	97.9	97.2
Z2		5.0				69.4				69.6				19.8						
B3	7.0	7.0	100.0	118.6	68.5	68.6	99.8	99.8	69.1	69.2	99.8	99.3	21.0	20.8	101.0	107.1	140	140	100.0	97.9
C3	5.4	4.6	117.4	91.5	67.5	66.9	100.9	98.4	69.3	69.3	100.0	99.6	19.4	19.5	99.5	99.0	140	141	99.3	97.9
D3	5.5	5.4	101.8	93.2	69.6	69.8	99.7	101.4	69.8	70.4	99.1	100.3	20.2	20.2	100.0	103.1	144	139	103.6	100.7
E3		8.8				68.6				67.8				18.7						
FKI DATA																				
CUR.																				
AV. 6.0																				
CUM.																				
AV. 5.9																				
IND.																				
*D 101.7																				

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

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

MAY, 1973																								
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.							
CODE	MACHINE DATA				MACHINE DATA				IND. *C	MACHINE DATA				IND. *C	MACHINE DATA				IND. *C	MACHINE DATA				IND. *C
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	CUR. AV.		CUM. AV.	FACT. *B	CUR. AV.	CUM. AV.		FACT. *B	CUR. AV.	CUM. AV.	FACT. *B		CUR. AV.	CUM. AV.	FACT. *B		
A1	5.0	4.4	113.6	80.6	88.5	89.6	98.8	98.8	91.2	90.8	100.4	100.4	27.2	25.9	105.0	107.1	179	178	100.6	104.1				
C1	8.7	8.3	104.8	140.3	89.3	90.0	99.2	99.7	88.4	89.6	98.7	97.4	24.4	24.6	99.2	96.1	176	172	102.3	102.3				
D1	6.0	5.7	105.3	96.8	88.9	89.0	99.9	99.2	90.7	91.0	99.7	99.9	24.8	25.1	98.8	97.6	163	162	100.6	94.8				
F1	6.3	6.2	101.6	101.6	89.2	89.3	99.9	99.6	90.6	90.8	99.8	99.8	25.0	25.0	100.0	98.4	195	188	103.7	113.4				
G1		7.0				89.6				90.4				25.0				161						
I1	5.9	5.2	113.5	95.2	90.2	89.0	101.3	100.7	92.1	91.5	100.6	101.4	26.6	26.4	100.8	104.7	167	168	99.4	97.1				
J1		4.3				88.4				90.6				26.4				178						
K1	6.2	6.2	100.0	100.0	88.8	90.0	98.7	99.1	90.3	91.5	98.7	99.4	24.3	26.3	92.4	95.7	163	171	95.3	94.8				
O1		6.4				89.5				90.9				24.1				169						
P1	6.8	6.3	107.9	109.7	88.0	88.4	99.5	98.2	89.0	89.8	99.1	98.0	25.8	26.1	98.8	101.6	165	166	99.4	95.9				
Q1	7.9	7.9	100.0	127.4	90.4	90.3	100.1	100.9	90.3	90.2	100.1	99.4	23.3	23.3	100.0	91.7	166	167	99.4	96.5				
R1	7.7	7.8	98.7	124.2	89.7	89.7	100.0	100.1	89.8	89.7	100.1	98.9	26.0	26.1	99.6	102.4	182	173	105.2	105.8				
V1	6.9	6.6	104.5	111.3	90.2	90.6	99.6	100.7	90.5	90.9	99.6	99.7	24.4	24.4	100.0	96.1	175	177	98.9	101.7				
Y1	5.6	5.4	103.7	90.3	87.3	89.4	97.6	97.4	89.4	91.7	97.5	98.4	26.1	26.0	100.4	102.8	176	174	101.1	102.3				
A2		5.2				87.9				90.4				25.1				169						
C2		3.9				86.6				90.2				24.3				188						
E2	7.0	7.2	97.2	112.9	90.4	91.1	99.2	100.9	91.2	91.7	99.4	100.4	24.4	25.4	96.1	96.1	160	168	95.2	93.0				
H2	5.6	5.7	98.2	90.3	90.0	89.8	100.2	100.4	90.3	90.1	100.2	99.4					172	171	100.6	100.0				
M2	6.3	6.4	98.4	101.6	88.6	89.1	99.4	98.9	90.0	90.4	99.6	99.1	23.5	23.2	101.3	92.5	179	178	100.6	104.1				
N2	5.4	5.6	96.4	87.1	90.0	90.3	99.7	100.4	90.3	90.8	99.4	99.4	26.2	26.0	100.8	103.1	171	170	100.6	99.4				
O2	5.2	5.2	100.0	83.9	90.1	90.1	100.0	100.6	90.4	90.4	100.0	99.6	25.4	23.7	107.2	100.0	176	189	93.1	102.3				
P2	8.0	6.5	123.1	129.0	90.1	89.6	100.6	100.6	89.9	90.8	99.0	99.0	25.5	24.8	102.8	100.4	169	178	94.9	98.2				
R2		5.0				90.0				92.7				25.7				161						
S2	5.8	5.8	100.0	93.5	90.2	88.9	101.5	100.7	90.5	90.6	99.9	99.7	23.8	24.2	98.3	93.7	169	175	96.6	98.2				
T2	6.8	6.5	104.6	109.7	90.1	89.9	100.2	100.6	91.1	91.1	100.0	100.3	26.6	26.9	98.9	104.7	169	171	98.8	98.2				
W2		5.6				90.5				91.0				27.2				177						
C3	5.2	4.8	108.3	83.9	87.9	87.5	100.4	98.1	90.4	90.4	100.0	99.6	25.6	26.1	98.1	100.8	162	167	97.0	94.2				
D3		5.7				90.9				91.7				26.9				165						
FKI DATA																								
CUR.																								
AV. 6.4																								
CUM.																								
AV. 6.2																								
IND.																								
*D 103.2																								
99.8																								
99.4																								
99.2																								
100.0																								

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
JUNE, 1973

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				89.4				90.8				26.2				178		
C1	8.9	8.4	106.0	143.5	89.9	89.8	100.1	100.3	88.8	89.3	99.4	97.9	24.4	24.6	99.2	96.1	170	172	98.8	98.8
D1	6.2	5.8	106.9	100.0	89.0	89.0	100.0	99.3	90.5	91.0	99.4	99.8	24.2	25.2	96.0	95.3	159	162	98.1	92.4
F1	5.9	6.2	95.2	95.2	88.9	89.4	99.4	99.2	90.7	90.9	99.8	100.0	25.3	24.9	101.6	99.6	183	188	97.3	106.4
G1		7.0				89.6				90.4				25.0				161		
I1	5.5	5.4	101.8	88.7	89.7	89.1	100.7	100.1	91.9	91.5	100.4	101.3	26.5	26.5	100.0	104.3	168	168	100.0	97.7
J1	4.2	4.3	97.7	67.7	88.1	88.4	99.7	98.3	91.5	90.5	101.0	100.9	26.4	26.4	100.0	103.9	177	178	99.4	102.9
K1	7.0	6.2	112.9	112.9	89.2	89.8	99.3	99.6	90.0	91.4	98.5	99.2	27.4	26.1	105.0	107.9	172	170	101.2	100.0
L1	6.3	6.4	98.4	101.6	89.5	89.5	100.0	99.9	91.0	90.9	100.1	100.3	25.6	24.1	106.2	100.8	157	169	92.9	91.3
P1		6.3				88.5				89.9				26.0				165		
Q1	8.1	7.9	102.5	130.6	90.1	90.3	99.8	100.6	89.8	90.2	99.6	99.0	23.9	23.3	102.6	94.1	165	167	98.8	95.9
R1	7.9	7.8	101.3	127.4	89.5	89.6	99.9	99.9	89.4	89.7	99.7	98.6	25.3	26.1	96.9	99.6	175	173	101.2	101.7
V1	6.6	6.6	100.0	106.4	91.4	90.6	100.9	102.0	91.7	90.9	100.9	101.1	26.0	24.4	106.6	102.4	176	177	99.4	102.3
Y1	5.4	5.3	101.9	87.1	88.7	89.2	99.4	99.0	91.0	91.6	99.3	100.3	25.9	26.0	99.6	102.0	174	175	99.4	101.2
A2		5.2				87.9				90.4				25.1				169		
C2		3.9				86.6				90.2				24.3				188		
E2		7.2				91.0				91.6				25.2				166		
H2	6.0	5.7	105.3	96.8	89.9	89.8	100.1	100.3	90.2	90.1	100.1	99.4					168	171	98.2	97.7
M2	6.8	6.4	106.2	109.7	89.7	89.0	100.8	100.1	90.7	90.3	100.4	100.0	25.8	23.3	110.7	101.6	178	178	100.0	103.5
N2	5.4	5.6	96.4	87.1	89.8	90.4	99.3	100.2	90.1	90.8	99.2	99.3	26.5	26.0	101.9	104.3	171	170	100.6	99.4
O2	5.3	5.2	101.9	85.5	91.4	90.1	101.4	102.0	91.7	90.4	101.4	101.1	23.9	23.8	100.4	94.1	180	189	95.2	104.6
P2	7.1	6.7	106.0	114.5	89.9	89.6	100.3	100.3	90.6	90.7	99.9	99.9	25.1	24.8	101.2	98.8	169	177	95.5	98.2
R2		4.9				90.0				92.9				25.8				160		
S2		5.7				89.0				90.6				24.1				174		
T2	6.7	6.6	101.5	108.1	89.8	89.9	99.9	100.2	90.9	91.1	99.8	100.2	27.1	26.8	101.1	106.7	174	172	101.2	101.2
W2	6.3	5.5	114.5	101.6	88.3	90.4	97.7	98.5	88.7	90.9	97.6	97.8	26.6	27.2	97.8	104.7	174	176	98.9	101.2
C3	5.6	4.8	116.7	90.3	88.1	87.5	100.7	98.3	90.2	90.4	99.8	99.4	25.6	26.0	98.5	100.8	166	166	100.0	96.5
U3		5.7				91.0				91.8				27.0				164		
FKI DATA																				
CUR.																				
AV. 6.4					89.5					90.5					25.6					171
CUM.																				
AV. 6.2					89.6					90.7					25.4					172
IND.																				
*D 103.2					99.9					99.8					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, 1973

Code	Conditioning Environment				Testing Environment
	Are Quality Samples Conditioned Before Testing?	Time	Procedure R.H., %	Temp., °F.	Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	No
B1	No samples submitted for May and June				
C1	No	--	--	--	No
D1	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 5% R.H.
E1	No	--	--	--	Yes: 73 ± 3.5°F.; 50 ± 2% R.H.
F1	No	--	--	--	No
G1	No	--	--	--	No
H1	No	--	--	--	Yes: 73 ± 3.5°F.; 50 ± 2% R.H.
I1	No	--	--	--	No
J1	No	--	--	--	No
K1	No	--	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
L1	No	--	--	--	No
M1	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.
N1	No	--	--	--	No
O1	No	--	--	--	No
P1	Yes	10 min.	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
Q1	No	--	--	--	No
R1	No	--	--	--	No
S1	No	--	--	--	No
T1	No samples submitted for May and June				
U1	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.
V1	No	--	--	--	No
W1	Yes	--	73	50	Yes: 73°F.; 50 ± 2% R.H.
X1	No	--	--	--	Yes: 73 ± 3°F.; 50% R.H.
Y1	Yes	10 min.	73	50	Yes: 73 ± 2°F.; 50 ± 2% R.H.
Z1	No	--	--	--	Yes: 70 ± 2°F.; 50 ± 2% R.H.
A2	No samples submitted for May and June				
B2	No samples submitted for May and June				
C2	No	--	--	--	No
D2	Yes	7 min.	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.
E2	No	--	--	--	Yes: 73 ± 4°F.; 50 ± 10% R.H.
F2	No	--	--	--	Yes: 72 ± 2°F.; 55 ± 5% R.H.
G2	No	--	--	--	No
H2	No	--	--	--	No
I2	No	--	--	--	Yes: 73 ± 3.5°F.; 50 ± 2% R.H.
J2	No samples submitted for May and June				
K2	No	--	--	--	No
L2	No	--	--	--	Yes: 75 ± 5°F.; 50 ± 5% R.H.
M2	No	--	--	--	Yes: 72 ± 2°F.; 50 ± 2% R.H.
N2	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.
O2	No	--	--	--	No
P2	No	--	--	--	Yes: 72 ± 2°F.; 50 ± 1% R.H.
Q2	Yes	10 min.	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
R2	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.
S2	No	--	--	--	No
T2	No	--	--	--	Yes: 70 ± 2°F.; 50 ± 2% R.H.
U2	Yes	15 min.	--	--	Yes: 73 ± 2°F.; 50 ± 1% R.H.
V2	No	--	--	--	Yes: 73 ± 4°F.; 50 ± 10% R.H.
W2	Yes	5-20 min.	--	--	Yes: 73 ± 2°F.; 50 ± 5% R.H.
X2	No	--	--	--	Yes: 72 ± 3.5°F.; 50 ± 2% R.H.
Y2	No	--	--	--	No
Z2	Yes	15 min.	--	--	Yes: 73 ± 3.5°F.; 50 ± 2% R.H.
A3	No	--	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
B3	No	--	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.
C3	No	--	--	--	No
D3	No	--	--	--	Yes: 73 ± 3°F.; 50 ± 2% R.H.
E3	No	--	--	--	Yes: 73 ± 2°F.; 50 ± 2% R.H.

^aSamples were brought to equilibrium at standard temperature and humidity.

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R. C. McKee / gjs.

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.