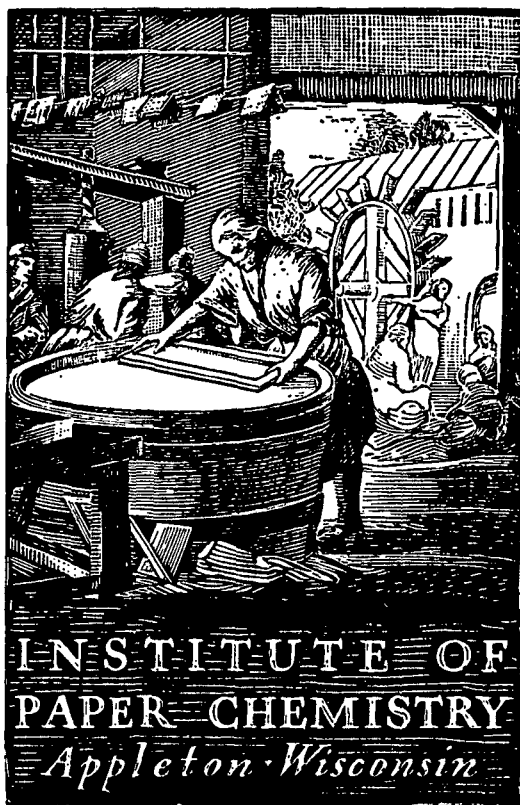




BASE-LINE
1st Half, 1986

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR
JAN-FEB, MAR-APR, MAY-JUN, 1986)

Project 2694-1

Report Ninety-Nine
A Progress Report
to

FOURDRINIER KRAFT BOARD GROUP
OF THE
AMERICAN PAPER INSTITUTE

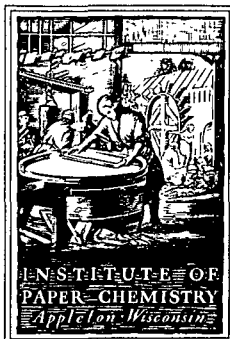
September 1, 1986

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THE INSTITUTE OF PAPER CHEMISTRY
Post Office Box 1039
Appleton, Wisconsin 54912
Phone: 414/734-9251
Telex: 469289

September 1, 1986

Project 2694-1

Dear Sir:

We are enclosing a copy of the following report to the Fourdrinier Kraft Board Group of the American Paper Institute:

Report Ninety-Nine, Project 2694-1 a progress
report entitled, "Continuous Baseline Study
(Modified); Mill Linerboard Data for Jan.-Feb.,
March-April, May-June, 1986" dated September 1, 1986

The code identities for paper machines in your company from which data were submitted for evaluation are given on the inside of the front cover of this report.

The FKBG Technical committee has requested that reports for this project be issued semi-annually instead of quarterly. The enclosed semi-annual report includes data for the period of January 1 to June 30, 1986. The next report for the period of July 1 to December 31, 1986 will be issued March 1, 1987.

A new feature in this report is a two-year trend plot of thickness, burst, and ring crush. These trend plots will be updated and included in future reports.

Sincerely,

Roger H. Van Eperen
Research Associate
Paper Materials Division

RHV/les
Enclosure

GEORGIA-PACIFIC CORP.
Your machines are identified
in this report by the
following codes.

Monticello	Machine	#1 C4
Monticello		#2 D4

Toledo		#1 R1
Toledo		#3 E1

BASE-LINE
1st HALF, 1986

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JAN-FEB, MAR-APR, MAY-JUN, 1986)

Project 2694-1

Report Ninety-Nine

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

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September 1, 1986

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED) (MILL LINERBOARD DATA FOR JAN-FEB, MAR-APR, MAY-JUN, 1986)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA (NOV-JUN, 1986)

Linerboard Grade Wt.	Moisture Content				
		NOV-DEC	JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	6.5	6.8	6.5	6.9
	Min.	3.5	3.6	3.3	3.5
	Ave.	5.1(20)	5.4(20)	5.3(20)	5.5(20)
33 Lb	Max.	6.5	7.0	6.5	6.5
	Min.	4.0	4.1	4.3	4.5
	Ave.	5.4(25)	5.5(27)	5.5(26)	5.5(29)
38 Lb	Max.	6.4	6.4	6.8	6.7
	Min.	3.4	4.8	5.2	5.3
	Ave.	5.5(20)	5.7(19)	5.8(19)	5.9(22)
42 Lb	Max.	6.5	6.5	7.2	6.8
	Min.	4.2	4.9	5.0	5.0
	Ave.	5.7(41)	5.9(38)	5.9(40)	5.9(39)
69 Lb	Max.	7.2	7.1	7.0	7.0
	Min.	4.7	5.6	5.4	5.4
	Ave.	6.2(29)	6.3(29)	6.3(28)	6.4(28)
90 Lb	Max.	8.6	8.0	8.3	8.5
	Min.	5.5	5.5	5.6	5.7
	Ave.	6.5(12)	6.7(11)	6.5(11)	6.7(12)

Max. and Min. values are current machine averages.

Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

**PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA
(NOV-JUN, 1986)**

Linerboard Grade Wt.	Adjusted Basis Weight, lb/M sq ft			
	NOV-DEC	JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	27.6	27.8	28.0
	Min.	26.0	25.8	25.9
	Ave.	26.5(20)	26.6(20)	26.4(20)
33 Lb	Max.	33.8	34.2	34.2
	Min.	32.8	32.6	32.7
	Ave.	33.4(25)	33.3(27)	33.3(26)
38 Lb	Max.	41.1	41.7	41.2
	Min.	38.1	37.9	37.8
	Ave.	38.7(20)	38.6(19)	38.5(19)
42 Lb	Max.	43.0	42.9	42.9
	Min.	41.5	41.5	41.6
	Ave.	42.3(41)	42.3(38)	42.3(40)
69 Lb	Max.	70.3	70.0	69.9
	Min.	68.2	68.2	68.3
	Ave.	69.4(29)	69.4(29)	69.4(28)
90 Lb	Max.	91.7	92.1	91.7
	Min.	89.6	89.6	90.1
	Ave.	90.6(12)	90.6(11)	90.6(11)

Max. and Min. values are current machine averages.

Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

**PART III: SUMMARY OF CALIPER DATA
(NOV-JUN, 1986)**

Linerboard Grade Wt.	Caliper, pt.			
	NOV-DEC	JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	8.8	8.5	8.5
	Min.	7.0	7.1	7.0
	Ave.	7.8(20)	7.9(20)	7.9(20)
33 Lb	Max.	11.0	10.7	10.6
	Min.	8.5	8.5	8.8
	Ave.	9.8(24)	9.7(26)	9.7(25)
38 Lb	Max.	11.6	11.7	11.7
	Min.	9.3	9.7	9.4
	Ave.	10.8(19)	10.9(18)	10.8(18)
42 Lb	Max.	12.8	13.1	12.5
	Min.	10.5	10.5	10.5
	Ave.	11.8(40)	11.8(37)	11.8(39)
69 Lb	Max.	20.9	20.5	20.5
	Min.	17.8	17.5	17.5
	Ave.	19.4(28)	19.4(28)	19.2(27)
90 Lb	Max.	26.6	26.8	27.6
	Min.	24.1	23.6	22.6
	Ave.	25.6(11)	25.4(11)	25.0(11)

Max. and Min. values are current machine averages.

Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

**PART IV: SUMMARY OF BURSTING STRENGTH DATA
(NOV-JUN, 1986)**

Linerboard Grade Wt.	Bursting Strength, psig				
	NOV-DEC	JAN-FEB	MAR-APR	MAY-JUN	
26 Lb	Max.	93	90	85	82
	Min.	66	65	68	65
	Ave.	75(20)	74(19)	73(20)	72(20)
33 Lb	Max.	100	101	103	105
	Min.	79	78	78	79
	Ave.	86(25)	88(25)	87(26)	87(29)
38 Lb	Max.	113	116	111	109
	Min.	92	90	89	92
	Ave.	99(20)	101(18)	99(19)	100(22)
42 Lb	Max.	122	123	120	122
	Min.	91	98	99	98
	Ave.	105(41)	106(37)	106(40)	107(39)
69 Lb	Max.	160	160	158	178
	Min.	132	133	135	135
	Ave.	144(29)	144(29)	143(28)	144(28)
90 Lb	Max.	184	180	183	201
	Min.	154	154	155	155
	Ave.	170(12)	168(11)	169(11)	173(12)

Max. and Min. values are current machine averages.

Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

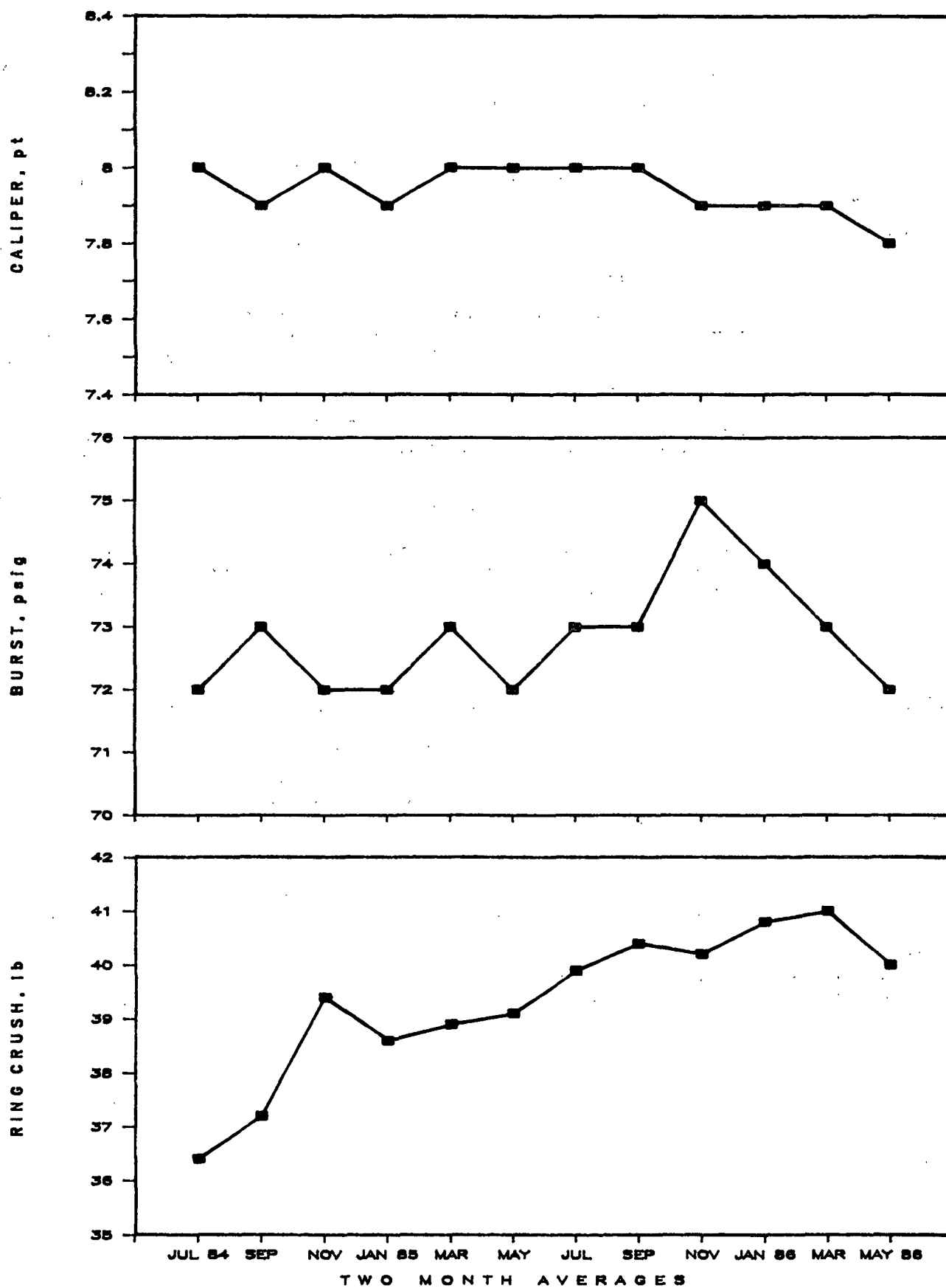
**PART V: SUMMARY OF CD RING CRUSH DATA
(NOV-JUN, 1966)**

Linerboard Grade Wt.	CD Ring Crush, lb			
	NOV-DEC	JAN-FEB	MAR-APR	MAY-JUN
26 Lb	Max.	51.0	51.8	53.0
	Min.	32.0	31.2	33.0
	Ave.	41.0(13)	40.8(12)	41.0(12)
33 Lb	Max.	70.0	70.5	68.0
	Min.	47.0	44.5	45.0
	Ave.	55.0(18)	57.0(18)	54.4(18)
38 Lb	Max.	86.4	82.4	84.0
	Min.	58.0	57.5	58.0
	Ave.	69.2(16)	69.0(14)	69.1(14)
42 Lb	Max.	97.5	93.5	90.0
	Min.	58.0	62.0	60.0
	Ave.	74.6(31)	75.1(29)	75.8(30)
69 Lb	Max.	146.2	148.0	144.0
	Min.	87.0	98.9	100.0
	Ave.	120.2(23)	121.9(23)	122.5(23)
90 Lb	Max.	185.5	174.0	180.0
	Min.	120.0	139.3	129.0
	Ave.	151.0(9)	153.2(9)	154.7(9)

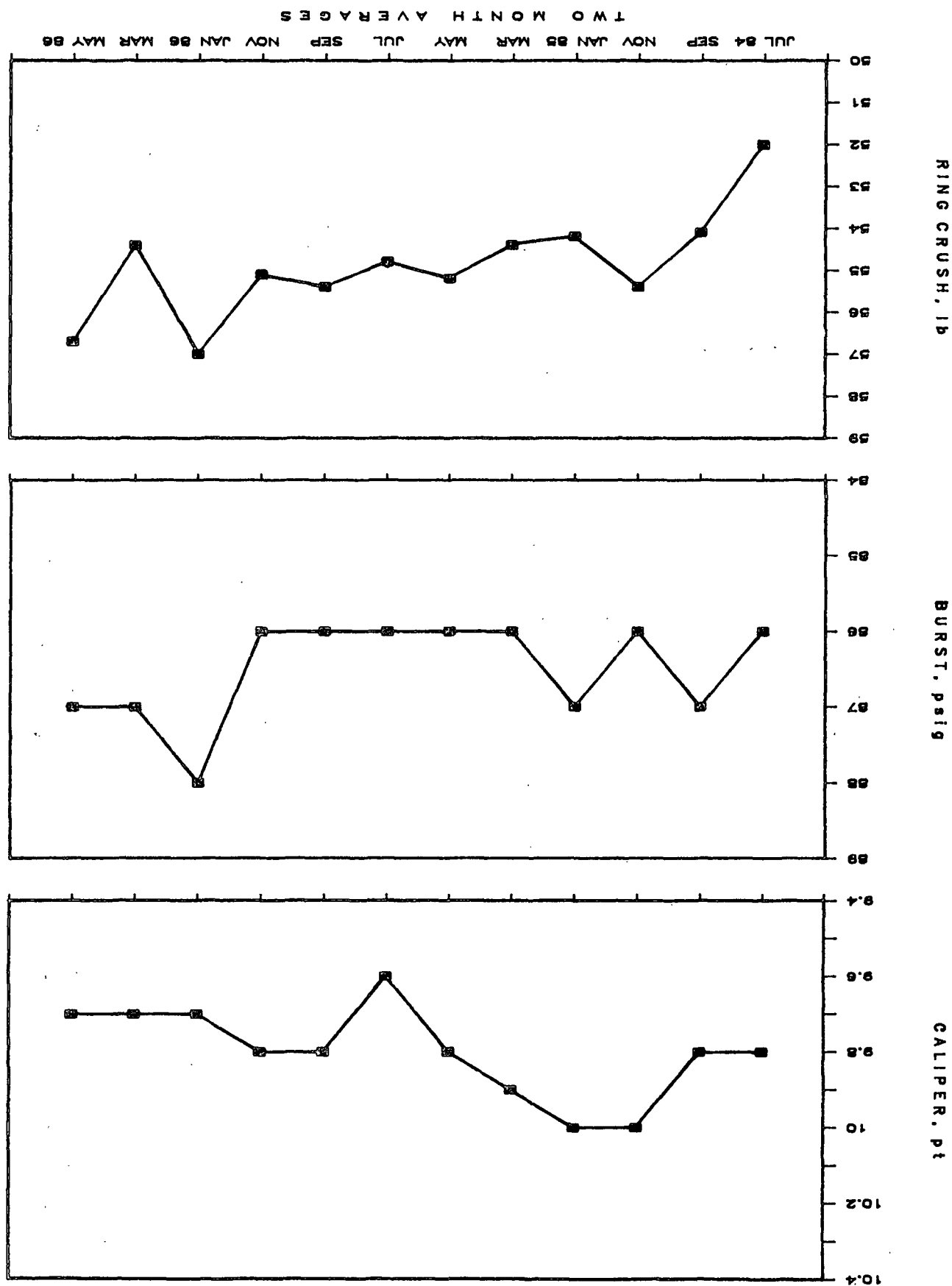
Max. and Min. values are current machine averages.

Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

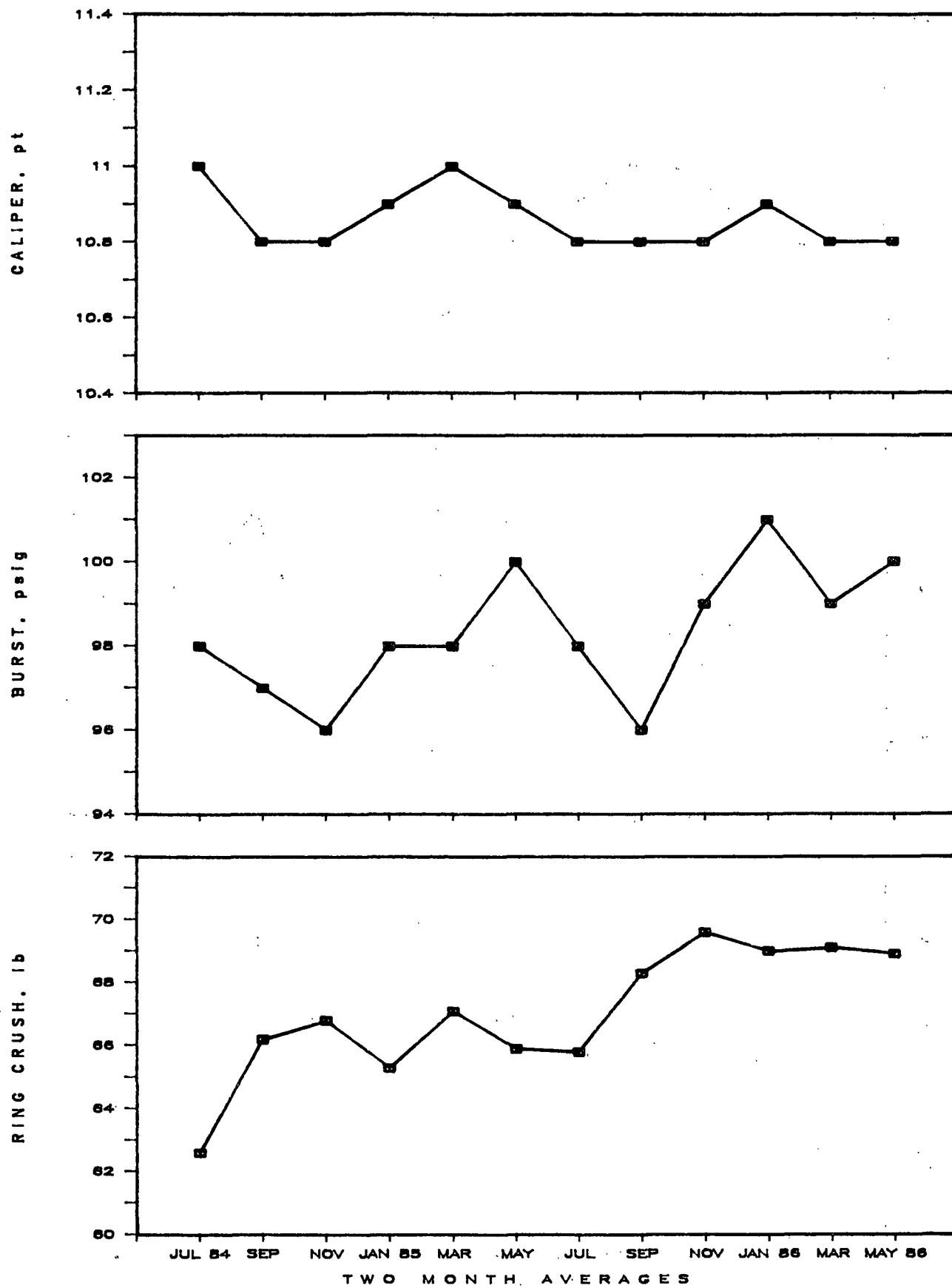
TWO-YEAR TREND PLOTS FOR 26-LB LINER



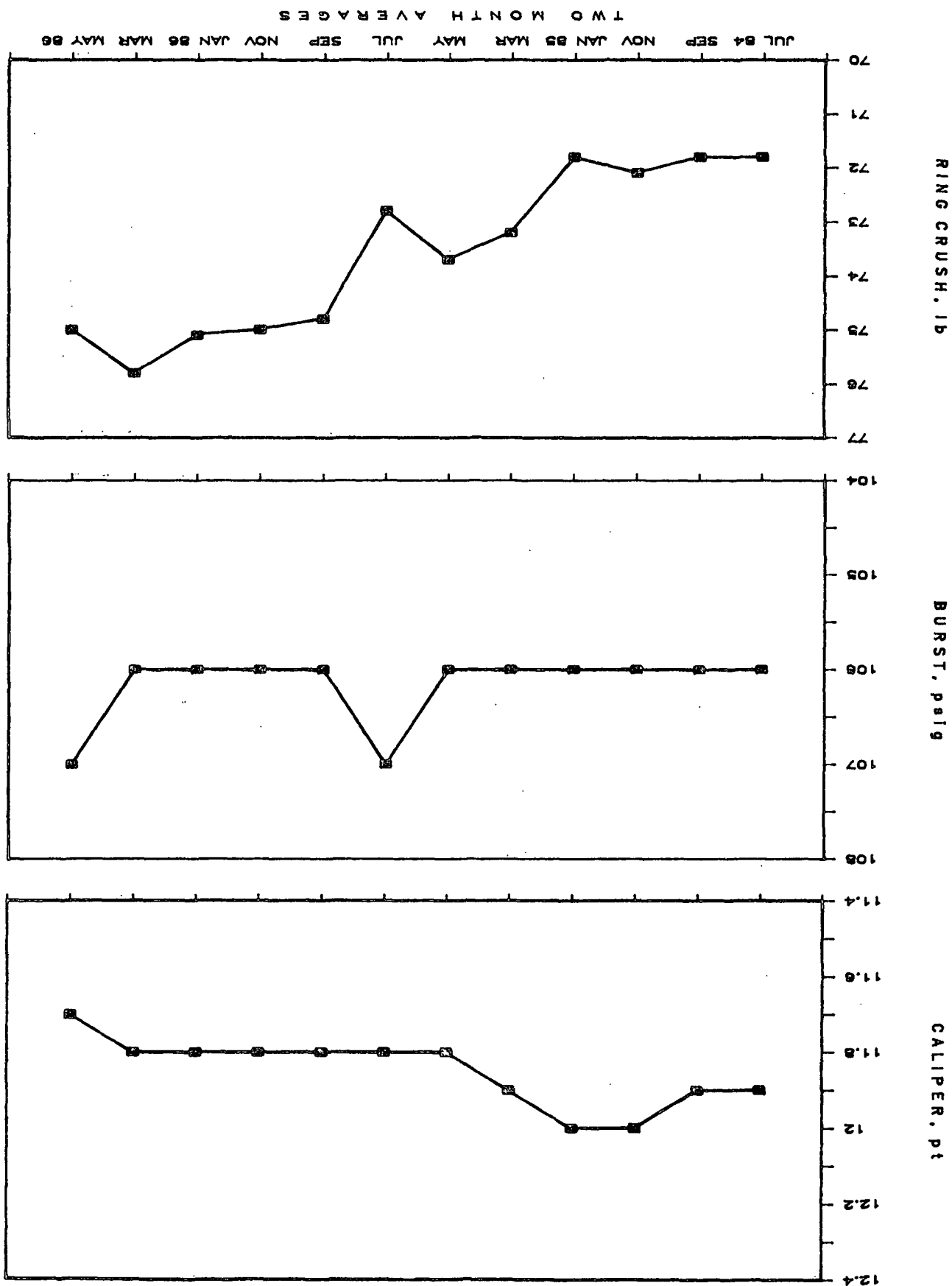
TWO-YEAR TREND PLOTS FOR 33-LB LINER



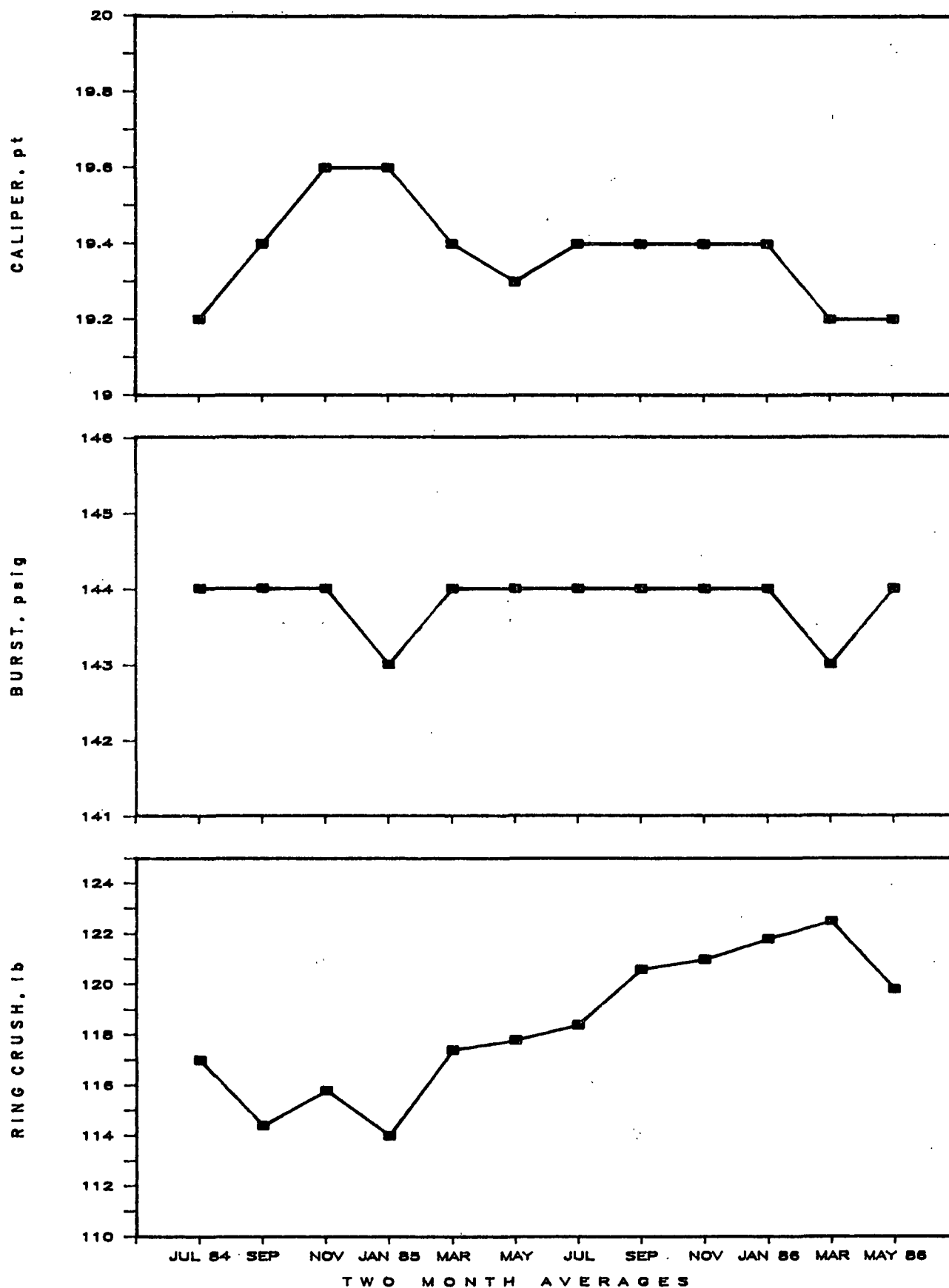
TWO-YEAR TREND PLOTS FOR 38-LB LINER



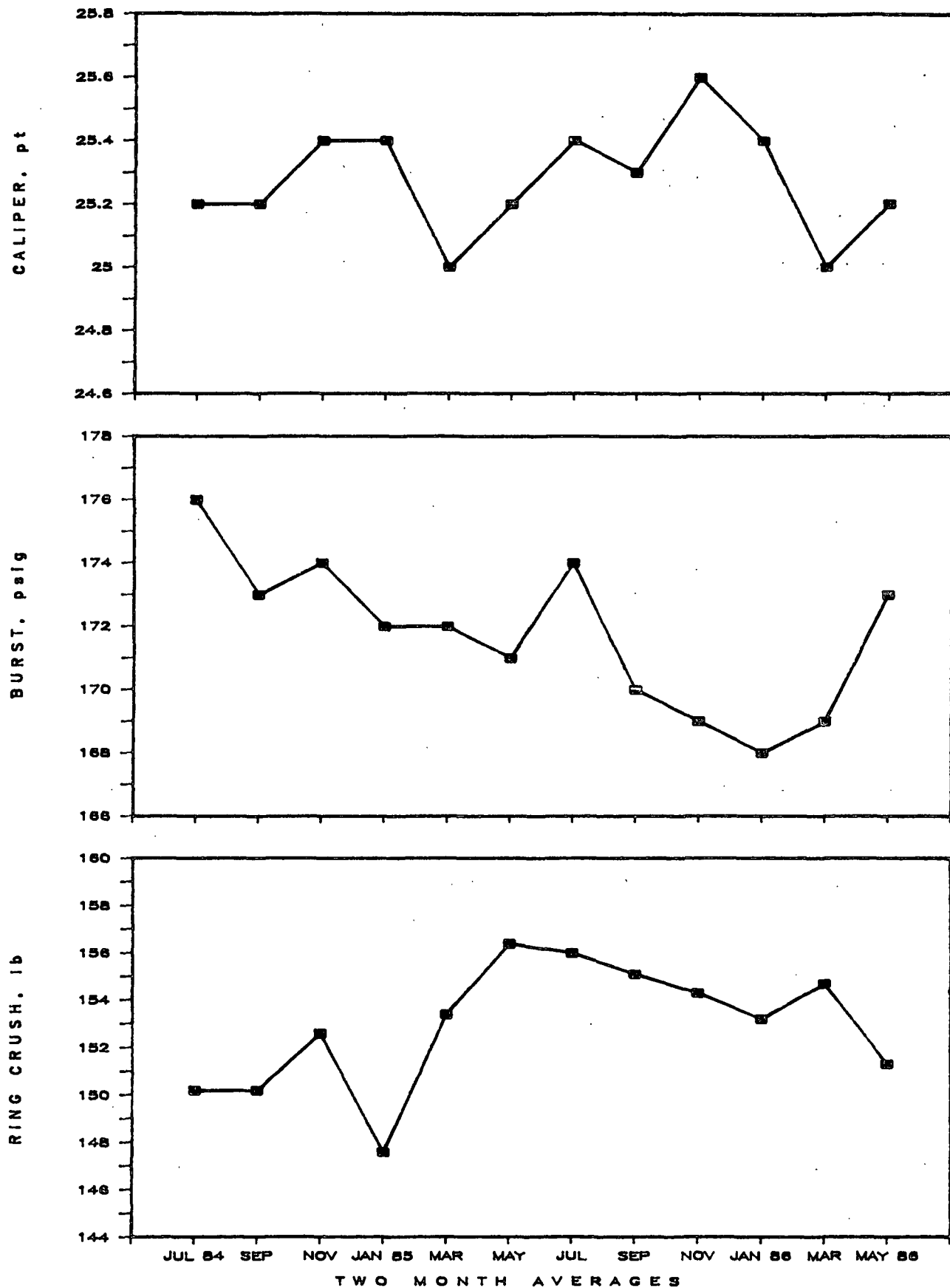
TWO-YEAR TREND PLOTS FOR 42-LB LINER



TWO-YEAR TREND PLOTS FOR 69-LB LINER



TWO-YEAR TREND PLOTS FOR 90-LB LINER



INTRODUCTION

The continuous base-line study (modified) is a compilation of bimonthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, bursting strength, and CD ring crush 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 period: 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. Note that the moisture content at the as-reported basis weight (not shown in Tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

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, bursting strength, and CD ring crush are compiled in the following tables.

Table Number	Description
I-II-III-IV	Mill Test Averages on 26-lb Linerboard
V-VI-VII-VIII	Mill Test Averages on 33-lb Linerboard
IX-X-XI-XII	Mill Test Averages on 38-lb Linerboard
XIII-XIV-XV-XVI	Mill Test Averages on 42-lb Linerboard
XVII-XVIII-XIX-XX	Mill Test Averages on 69-lb Linerboard
XXI-XXII-XXIII-XXIV	Mill Test Averages on 90-lb Linerboard

TABLE I
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD
JAN-FEB, 1986

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
E1	5.6	5.4	103.7	107.7	25.9	25.7	100.8	99.6	26.1	25.9	100.8	98.9	8.2	8.4	97.6	102.5	72	70	102.8	98.6
D1	5.4	5.0	108.0	103.8	25.5	25.4	100.4	98.1	26.2	26.2	100.0	99.2	8.1	8.1	100.0	101.2	80	81	98.8	109.6
T1	5.8	4.9	118.4	111.5	27.2	26.8	101.5	104.6	27.8	27.6	100.7	105.3	7.6	7.5	101.3	95.0	66	67	98.5	90.4
E2	5.9	5.4	109.2	113.5	26.1	25.8	101.2	100.4	26.6	26.4	100.8	100.8	7.1	7.1	100.0	88.8	69	68	101.5	94.5
K2	4.7	4.6	102.2	90.4	25.0	25.4	98.4	96.2	25.8	26.2	98.5	97.7	8.0	8.3	96.4	100.0	82	76	107.9	112.3
P2	5.8	5.9	98.3	111.5	26.2	26.1	100.4	100.8	26.8	26.6	100.8	101.5	7.8	7.7	101.3	97.5	70	72	97.2	95.9
S2	3.6	3.7	97.3	69.2	26.5	26.4	100.4	101.9	27.7	27.6	100.4	104.9	7.6	7.2	105.6	95.0	78	77	101.3	106.8
W2		4.6				25.6				26.5				8.1				71		
A3		5.3				26.0				26.2				8.9				65		
F3	4.8	5.0	96.0	92.3	26.0	26.2	99.2	100.0	26.1	26.3	99.2	98.9	7.9	8.0	98.8	98.8	69	67	103.0	94.5
K3	4.8	4.9	98.0	92.3	26.2	26.1	100.4	100.8	27.1	26.9	100.7	102.6	7.6	7.5	101.3	95.0	78	75	104.0	106.8
D3	3.6	3.5	102.8	69.2	25.6	25.6	100.0	98.5	26.8	26.8	100.0	101.5	8.5	8.6	98.8	106.2	72	70	102.8	98.6
P3	6.2	6.1	101.6	119.2	25.6	25.6	100.0	98.5	26.0	26.1	99.6	98.5	8.0	8.0	100.0	100.0	71	71	100.0	97.3
R3	5.0	5.0	100.0	96.2	26.1	26.0	100.4	100.4	26.2	26.1	100.4	99.2	7.9	7.9	100.0	98.8	72	70	102.8	98.6
T3	5.5	4.1	134.1	105.8	25.9	25.6	101.2	99.6	26.5	26.6	99.6	100.4	7.6	7.6	100.0	95.0	70	74	94.6	95.9
V3	5.3			101.9	26.9			103.5	27.6			104.5	8.2			102.5				
W3	5.7	5.7	100.0	109.6	25.9	26.0	99.6	99.6	26.5	26.5	100.0	100.4	7.8	7.7	101.3	97.5	74	70	105.7	101.4
B4	5.7	5.8	98.3	109.6	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.6	7.7	8.0	96.2	96.2	71	68	104.4	97.3
C4	5.8	5.9	98.3	111.5	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.9	7.9	7.6	103.9	98.8	80	77	103.9	109.6
D4		4.7				26.0				26.1				7.4				93		
G4		6.5				26.0				26.1				7.9				66		
H4	6.8	6.6	103.0	130.8	25.9	26.0	99.6	99.6	26.0	26.1	99.6	98.5	7.8	7.8	100.0	97.5	65	66	98.5	89.0
J4	6.1	6.1	100.0	117.3	26.4	26.3	100.4	101.5	26.5	26.4	100.4	100.4	8.2	8.1	101.2	102.5	77	74	104.0	105.5
M4		5.0				26.0				26.1				7.8				67		
R4	5.3	5.2	101.9	101.9	26.0	25.9	100.4	100.0	26.7	26.6	100.4	101.1	8.3	8.0	103.8	103.8	90	79	113.9	123.3
FXBG DATA																				
CUR.																				
AV. 5.4																				
CUM.																				
AV. 5.2																				
IND.																				
*D 103.8																				
100.0																				
100.8																				
98.8																				
101.4																				

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

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

MAR-APR, 1986

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
E1	5.6	5.4	103.7	107.7	25.9	25.8	100.4	99.6	26.1	26.0	100.4	98.9	8.3	8.4	98.8	103.8	69	70	98.6	94.5
O1	5.3	5.2	101.9	101.9	25.3	25.5	99.2	97.3	26.0	26.2	99.2	98.5	8.0	8.1	98.8	100.0	81	81	100.0	111.0
T1	5.6	5.4	103.7	107.7	27.3	27.0	101.1	105.0	28.0	27.7	101.1	106.1	7.8	7.6	102.6	97.5	72	66	109.1	98.6
E2	5.3	5.5	96.4	101.9	25.7	25.9	99.2	98.8	26.4	26.5	99.6	100.0	6.9	7.1	97.2	86.2	73	68	107.4	100.0
K2	4.5	4.6	97.8	86.5	25.2	25.3	99.6	96.9	26.1	26.1	100.0	98.9	8.4	8.3	101.2	105.0	79	77	102.6	108.2
P2	5.7	5.9	96.6	109.6	26.3	26.1	100.8	101.2	26.9	26.7	100.7	101.9	7.8	7.7	101.3	97.5	68	72	94.4	93.2
S2	4.0	3.7	108.1	76.9	25.9	26.2	98.8	99.6	27.0	27.4	98.5	102.3	7.6	7.2	105.6	95.0	76	77	98.7	104.1
M2		4.6				25.6				26.5				8.1			71			
A3		5.1				26.0				26.2				9.0			65			
F3	4.8	4.9	98.0	92.3	26.1	26.2	99.6	100.4	26.2	26.3	99.6	99.2	8.1	8.0	101.2	101.2	69	68	101.5	94.5
I3	5.1			98.1	25.9			99.6	26.0			98.5	7.0			87.5	68			93.2
K3	4.3	4.8	89.6	82.7	25.7	26.1	98.5	98.8	26.7	27.0	98.9	101.1	8.0	7.6	105.3	100.0	68	75	90.7	93.2
O3	3.3	3.6	91.7	63.5	25.3	25.7	98.4	97.3	26.5	26.9	98.5	100.4	8.5	8.6	98.8	106.2	73	71	102.8	100.0
P3	6.5	6.1	106.6	125.0	25.7	25.6	100.4	98.8	26.1	26.0	100.4	98.9	7.9	8.0	98.8	98.8	70	71	98.6	95.9
R3	5.0	5.0	100.0	96.2	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.9	7.9	7.9	100.0	98.8	73	70	104.3	100.0
T3	5.3	4.3	123.2	101.9	25.5	25.7	99.2	98.1	26.2	26.6	98.5	99.2	7.5	7.6	98.7	93.8	71	74	95.9	97.3
V3		5.3				26.9				27.6				8.2			0			
W3	5.8	5.7	101.8	111.5	26.4	26.0	101.5	101.5	27.0	26.5	101.9	102.3	8.4	7.7	109.1	105.0	74	72	102.8	101.4
B4	6.0	5.8	103.4	115.4	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.6	8.0	8.0	100.0	100.0	70	68	102.9	95.9
C4	6.0	5.8	103.4	115.4	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.9	7.9	7.7	102.6	98.6	79	78	101.3	108.2
D4		4.7				26.0				26.1				7.4			93			
G4		6.5				26.0				26.1				7.9			66			
H4	6.4	6.6	97.0	123.1	25.8	26.0	99.2	99.2	25.9	26.1	99.2	98.1	7.8	7.8	100.0	97.5	68	66	103.0	93.2
J4	6.1	6.1	100.0	117.3	26.3	26.3	100.0	101.2	26.4	26.4	100.0	100.0	8.1	8.1	100.0	101.2	74	74	100.0	101.4
N4		5.0				26.0				26.1				7.8			67			
R4	5.5	5.2	105.8	105.8	26.0	26.0	100.0	100.0	26.6	26.7	99.6	100.8	7.6	8.1	93.8	95.0	85	80	106.2	116.4

FKBG DATA

CUR.																				
AV.	5.3				25.9				26.4				7.9				73			
CUM.																				
AV.	5.2				26.0				26.4				8.0				73			
IND.																				
*D	101.9				99.6				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 26 LB FOURDRINIER KRAFT LINERBOARD
MAY-JUN, 1986

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
E1	5.5	5.4	101.8	105.8	25.9	25.8	100.4	99.6	26.1	26.0	100.4	98.9	8.3	8.4	98.8	103.8	70	71	98.6	95.9
O1	5.1	5.2	98.1	98.1	25.0	25.4	98.4	96.2	25.7	26.2	98.1	97.3	8.1	8.1	100.0	101.2	77	81	95.1	105.5
T1	5.8	5.4	107.4	111.5	26.5	27.1	97.8	101.9	27.1	27.8	97.5	102.6	7.6	7.6	100.0	95.0	68	68	100.0	93.2
E2	5.9	5.5	107.3	113.5	25.8	25.8	100.0	99.2	26.3	26.5	99.2	99.6	7.1	7.0	101.4	88.8	74	69	107.2	101.4
R2		4.7				25.3				26.1				8.4			77			
P2	6.0	5.8	103.4	115.4	26.4	26.2	100.8	101.5	26.9	26.7	100.7	101.9	7.7	7.7	100.0	96.2	75	72	104.2	102.7
S2	4.1	3.8	107.9	78.8	26.3	26.1	100.8	101.2	27.4	27.2	100.7	103.8	7.3	7.3	100.0	91.2	73	77	94.8	100.0
W2		4.6				25.6				26.5				8.1			71			
A3		4.9				26.0				26.2				8.9			64			
F3	5.1	4.9	104.1	98.1	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.9	7.7	8.0	96.2	96.2	70	68	102.9	95.9
I3		5.1				25.9				26.0				7.0			68			
K3	5.0	4.8	104.2	96.2	25.7	26.1	98.5	98.8	26.5	26.9	98.5	100.4	7.7	7.6	101.3	96.2	69	75	92.0	94.5
O3	3.5	3.5	100.0	67.3	25.6	25.7	99.6	98.5	26.8	26.9	99.6	101.5	8.5	8.5	100.0	106.2	71	71	100.0	97.3
P3	6.4	6.2	103.2	123.1	25.8	25.6	100.8	99.2	26.2	26.0	100.8	99.2	8.1	8.1	100.0	101.2	70	70	100.0	95.9
R3	5.0	5.0	100.0	96.2	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.9	8.1	7.8	103.8	101.2	71	70	101.4	97.3
T3	5.0	4.6	108.7	96.2	25.4	25.7	98.8	97.7	26.2	26.6	98.5	99.2	7.4	7.6	97.6	92.5	68	74	91.9	93.2
V3		5.3				26.9				27.6				8.2			0			
W3	5.6	5.7	98.2	107.7	25.9	26.0	99.6	99.6	26.5	26.6	99.6	100.4	7.7	7.8	98.7	96.2	74	73	101.4	101.4
B4	6.2	5.8	106.9	119.2	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.6	7.9	8.0	98.8	98.8	74	68	108.8	101.4
C4	6.0	5.9	101.7	115.4	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.9	7.9	7.7	102.6	98.8	81	79	102.5	111.0
D4		4.7				26.0				26.1				7.4			93			
G4	6.2			119.2	25.9			99.6	26.0			98.5	7.0			87.5	65			89.0
H4	6.9	6.6	104.5	132.7	25.8	26.0	99.2	99.2	25.9	26.0	99.6	98.1	7.5	7.8	96.2	93.8	66	66	100.0	90.4
J4	6.1	6.1	100.0	117.3	26.4	26.3	100.4	101.5	26.5	26.4	100.4	100.4	8.2	8.1	101.2	102.5	72	75	96.0	98.6
N4	4.9	5.0	98.0	94.2	25.9	26.0	99.6	99.6	26.0	26.1	99.6	98.5	8.0	7.8	102.6	100.0	71	67	106.0	97.3
R4	5.1	5.2	98.1	98.1	26.0	26.0	100.0	100.0	26.8	26.7	100.4	101.5	8.1	8.0	101.2	101.2	82	81	101.2	112.3
FKBG DATA																				
CUR.																				
AV. 5.5																				
CUM.																				
AV. 5.2																				
IND.																				
°D 105.8																				
99.6																				
100.0																				
97.5																				
98.6																				

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

TABLE IV
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD
RING COMPRESSION, LBS.

	JAN-FEB, 1986				MAR-APR, 1986				MAY-JUN, 1986			
	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
E1	35.0	37.0	94.6	88.6	33.0	36.7	89.9	82.7	35.0	35.8	97.8	87.1
O1												
T1												
E2		47.2				47.2				47.2		
K2	45.0	44.7	100.7	113.9	53.0	44.8	118.3	132.8		47.9		
P2	40.0	39.3	101.8	101.3	38.0	39.7	95.7	95.2	40.0	39.4	101.5	99.5
S2	51.8	51.8	100.0	131.1	50.0	51.6	96.9	125.3	51.0	51.6	98.8	126.9
M2		35.5				35.5				35.5		
A3		33.9				33.9				33.5		
F3												
I3												
K3	48.0	51.1	93.9	121.5	43.0	50.6	85.0	107.8	47.0	49.2	95.5	116.9
O3	39.0	38.3	101.8	98.7	39.0	38.3	101.8	97.7	36.0	38.3	94.0	89.6
P3	38.5	37.1	103.8	97.5	38.0	37.0	102.7	95.2	36.0	37.5	96.0	89.6
R3	33.0	30.4	108.6	83.5	33.0	31.1	106.1	82.7	34.0	31.7	107.2	84.6
T3	31.2	36.0	86.7	79.0	37.4	35.1	106.6	93.7	40.2	35.2	114.2	100.0
V3												
W3												
B4	42.0	38.1	110.2	106.3	43.0	38.8	110.8	107.8	41.5	39.2	105.9	103.2
C4	43.0	41.1	104.6	108.9	44.0	41.7	105.5	110.3	44.0	42.1	104.5	109.4
D4		48.0				48.0				48.0		
G4												
H4												
J4	43.0	44.1	97.5	108.9	40.0	43.4	92.2	100.2	38.0	42.7	89.0	94.5
N4		29.0				29.0			37.0	29.0	127.6	92.0
R4												
FKBG DATA												
CUR.												
AV.	40.8				41.0				40.0			
CUM.												
AV.	39.5				39.9				40.2			
IND.												
*D	103.3				102.8				99.5			

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

TABLE VI

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

MAR-APR, 1986

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
E1	5.3	5.3	100.0	98.1	32.6	32.6	100.0	99.4	32.9	33.0	99.7	98.5	10.2	10.4	98.1	104.1	85	93	91.4	98.8
O1	5.5	5.5	100.0	101.8	32.0	32.1	99.7	97.6	32.8	32.9	99.7	98.2	9.8	10.0	98.0	100.0	97	97	100.0	112.8
K1	4.9	5.0	98.0	90.7	32.4	32.6	99.4	98.8	32.7	32.9	99.4	97.9	9.9	9.7	102.1	101.0	91	86	105.8	105.8
T1	5.8	5.2	111.5	107.4	33.0	32.6	101.2	100.6	33.7	33.5	100.6	100.9	9.2	9.0	102.2	93.9	82	79	103.8	95.3
Y1	5.3				32.5				33.4				9.1				83			
E2	5.8				32.9				33.6				8.7				82			
F2	5.2	5.4	96.3	96.3	32.5	32.6	99.7	99.1	33.4	33.4	100.0	100.0	9.8	10.2	96.1	100.0	85	82	103.6	98.8
K2	5.2	5.2	100.0	96.3	32.4	32.2	100.6	98.8	33.3	33.1	100.6	99.7	10.2	9.8	104.1	104.1	99	97	102.1	115.1
P2	5.8	6.2	93.5	107.4	32.9	32.7	100.6	100.3	33.6	33.3	100.9	100.6	9.6	9.5	101.0	98.0	82	87	94.2	95.3
R2	4.1				32.5				33.8				10.1				89			
S2	5.0	4.2	119.0	92.6	32.4	32.3	100.3	98.8	33.4	33.6	99.4	100.0	9.2	8.9	103.4	93.9	87	87	100.0	101.2
V2	5.5	5.7	96.5	101.8	32.4	32.5	99.7	98.8	33.2	33.3	99.7	99.4	9.4	9.8	95.9	95.9	85	87	97.7	98.8
W2	4.8				32.4				33.5				9.8				91			
A3	5.4	5.3	101.9	100.0	33.0	33.0	100.0	100.6	33.3	33.2	100.3	99.7	9.6	10.4	92.3	98.0	78	81	96.3	90.7
F3	5.2	5.3	98.1	96.3	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.4	10.0	9.8	102.0	102.0	84	81	103.7	97.7
H3	4.3	4.4	97.7	79.6	32.0	32.4	98.8	97.6	33.2	33.6	98.8	99.4	10.6	10.8	98.1	108.2	89	85	106.7	103.5
I3	5.4	5.7	94.7	100.0	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	8.8	9.0	97.8	89.8	86	88	97.7	100.0
J3	4.8				33.1				33.2				9.1				86			
K3	5.0	5.3	94.3	92.6	32.7	32.9	99.4	99.7	33.7	33.8	99.7	100.9	9.8	9.5	103.2	100.0	81	86	94.2	94.2
O3	4.3				32.5				33.7				10.4				85			
P3	6.5	6.2	104.8	120.4	32.5	32.0	101.6	99.1	33.0	32.6	101.2	98.8	9.5	9.8	96.9	96.9	81	82	98.8	94.2
R3	5.0	5.0	100.0	92.6	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	10.3	10.1	102.0	105.1	84	84	100.0	97.7
T3	5.6	4.9	114.3	103.7	32.5	32.6	99.7	99.1	33.3	33.7	98.8	99.7	9.2	9.4	97.9	93.9	88	90	97.8	102.3
V3	5.7	5.8	98.3	105.6	33.4	33.0	101.2	101.8	34.2	33.8	101.2	102.4	9.6	10.1	95.0	98.0	88	83	106.0	102.3
H3	5.6	5.7	98.2	103.7	33.2	32.8	101.2	101.2	34.0	33.6	101.2	101.8	10.2	10.0	102.0	104.1	86	82	104.9	100.0
Z3	5.8	5.8	100.0	107.4	33.0	33.1	99.7	100.6	33.1	33.2	99.7	99.1					81	82	98.8	94.2
B4	6.3	6.0	105.0	116.7	33.0	33.0	100.0	100.6	33.2	33.2	100.0	99.4	9.9	10.0	99.0	101.0	83	82	101.2	96.5
C4	6.0	5.9	101.7	111.1	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	10.0	9.8	102.0	102.0	90	91	98.9	104.6
D4	5.5	5.0	110.0	101.8	33.1	33.2	99.7	100.9	33.2	33.3	99.7	99.4	9.7	9.9	98.0	99.0	103	96	107.3	119.8
G4	6.4	6.4	100.0	118.5	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	9.0	9.2	97.8	91.8	86	87	98.8	100.0
H4	6.8				33.0				33.1				10.2				85			
J4	6.3	6.2	101.6	116.7	33.4	33.3	100.3	101.8	33.5	33.4	100.3	100.3	10.3	10.2	101.0	105.1	91	88	103.4	105.8
N4	5.0				33.0				33.1				9.4				83			
R4	5.0	5.2	96.2	92.6	32.9	32.9	100.0	100.3	33.9	33.9	100.0	101.5	9.6	10.0	96.0	98.0	97	95	102.1	112.8
T4	4.8				33.4				33.6				9.4				83			
FKBG. DATA																				
CUR.																				
AV. 5.5																				
CUM.																				
AV. 5.4																				
IND.																				
*D 101.8																				
100.0																				
99.7																				
99.0																				
101.2																				

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

TABLE VII

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

MAY-JUN, 1986

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
E1	5.5	5.3	103.8	101.8	32.6	32.7	99.7	99.4	32.9	33.0	99.7	98.5	10.5	10.4	101.0	108.2	94	91	103.3	109.3
O1	6.0	5.5	109.1	111.1	32.0	32.1	99.7	97.6	32.6	32.9	99.1	97.6	9.7	9.9	98.0	100.0	95	97	97.9	110.5
R1	4.8	5.0	96.0	88.9	32.4	32.6	99.4	98.8	32.7	32.9	99.4	97.9	9.7	9.8	99.0	100.0	91	87	104.6	105.8
T1	5.8	5.3	109.4	107.4	33.0	32.7	100.9	100.6	33.7	33.6	100.3	100.9	9.6	9.0	106.7	99.0	79	80	98.8	91.9
Y1	4.6	5.3	86.8	85.2	32.2	32.5	99.1	98.2	33.3	33.4	99.7	99.7	8.7	9.1	95.6	89.7	83	83	100.0	96.5
E2	5.9	5.9	100.0	109.2	32.8	33.0	99.4	100.0	33.5	33.7	99.4	100.3	8.9	8.9	100.0	91.8	89	82	108.5	103.5
F2	5.4	5.3	101.9	100.0	32.6	32.6	100.0	99.4	33.4	33.4	100.0	100.0	9.9	10.1	98.0	102.1	81	84	96.4	94.2
K2	5.4	5.2	103.8	100.0	32.3	32.2	100.3	98.5	33.1	33.1	100.0	99.1	10.4	9.9	105.0	107.2	99	97	102.1	115.1
P2	6.0	6.1	98.4	111.1	32.9	32.7	100.6	100.3	33.6	33.4	100.6	100.6	9.5	9.5	100.0	97.9	86	86	100.0	100.0
R2		3.8				32.8				33.2				9.6				91		
S2	4.8	4.3	111.6	88.9	32.4	32.2	100.6	98.8	33.5	33.5	100.0	100.3	9.0	8.9	101.1	92.8	87	87	100.0	101.2
V2	5.5	5.7	96.5	101.8	32.4	32.5	99.7	98.8	33.2	33.2	100.0	99.4	9.4	9.8	95.9	96.9	85	87	97.7	98.8
W2		5.0				32.5				33.5				9.4				90		
A3	5.8	5.2	111.5	107.4	32.9	33.0	99.7	100.3	33.0	33.3	99.1	98.8	9.1	10.1	90.1	93.8	85	80	106.2	98.8
F3	4.9	5.2	94.2	90.7	32.9	33.1	99.4	100.3	33.0	33.2	99.4	98.8	10.0	9.8	102.0	103.1	83	82	101.2	96.5
H3	4.5	4.4	102.3	83.3	31.9	32.4	98.4	97.2	33.0	33.6	98.2	98.8	10.5	10.8	97.2	108.2	86	86	100.0	100.0
I3	5.3	5.6	94.6	98.1	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	9.1	9.0	101.1	93.8	84	88	95.4	97.7
J3		4.8				33.1				33.2				9.1				86		
K3	5.3	5.2	101.9	98.1	32.7	32.9	99.4	99.7	33.6	33.8	99.4	100.6	9.8	9.5	103.2	101.0	83	85	97.6	96.5
D3		4.3				32.5				33.7				10.4				85		
P3	6.5	6.2	104.8	120.4	32.7	32.1	101.9	99.7	33.2	32.7	101.5	99.4	9.8	9.7	101.0	101.0	81	82	98.8	94.2
R3	5.0	5.0	100.0	92.6	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	10.4	10.2	102.0	107.2	83	84	98.8	96.5
T3	5.3	5.0	106.0	98.1	32.3	32.7	98.8	98.5	33.2	33.6	98.8	99.4	9.3	9.4	98.9	95.9	85	90	94.4	98.8
V3	5.3	5.7	93.0	98.1	33.1	33.1	100.0	100.9	34.0	33.8	100.6	101.8	9.9	10.1	98.0	102.1	89	84	106.0	103.5
W3	5.6	5.6	100.0	103.7	32.7	32.8	99.7	99.7	33.5	33.6	99.7	100.3	9.2	10.1	91.1	94.8	95	84	113.1	110.5
Z3	6.2	5.8	106.9	114.8	33.0	33.1	99.7	100.6	33.1	33.2	99.7	99.1					82	82	100.0	95.3
B4	6.1	6.0	101.7	113.0	33.1	33.0	100.3	100.9	33.3	33.2	100.3	99.7	9.9	9.9	100.0	102.1	84	82	102.4	97.7
C4	6.3	5.9	106.8	116.7	32.9	33.0	99.7	100.3	33.0	33.1	99.7	98.8	9.8	9.9	99.0	101.0	92	90	102.2	107.0
D4	5.6	5.1	109.8	103.7	33.0	33.2	99.4	100.6	33.1	33.3	99.4	99.1	9.8	9.9	99.0	101.0	97	98	99.0	112.8
G4	6.4	6.6	97.0	118.5	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	9.4	9.1	103.3	96.9	84	86	97.7	97.7
H4		6.9				33.0				33.1				10.2				85		
J4	6.3	6.2	101.6	116.7	33.3	33.4	99.7	101.5	33.4	33.4	100.0	100.0	10.3	10.2	101.0	106.2	86	89	96.6	100.0
N4		5.0				33.0				33.1				9.4				84		
R4	5.3	5.0	106.0	98.1	33.0	33.0	100.0	100.6	33.9	34.0	99.7	101.5	10.1	10.0	101.0	104.1	105	95	110.5	122.1
T4	5.0	4.8	104.2	92.6	33.4	33.4	100.0	101.8	33.5	33.6	99.7	100.3	9.4	9.4	100.0	96.9	84	83	101.2	97.7
FKBG DATA																				
CUR.																				
AV. 5.5																				
CUM.																				
AV. 5.4																				
IND.																				
*D 101.8																				
99.7																				
99.7																				
100.0																				
101.2																				

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

TABLE VIII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD
RING COMPRESSION, LBS.

	JAN-FEB, 1986				MAR-APR, 1986				MAY-JUN, 1986			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
	AV.	AV.	#B	#C	AV.	AV.	#B	#C	AV.	AV.	#B	#C
E1	55.0	56.2	97.9	100.4	49.0	55.9	87.6	88.6	54.0	54.1	99.8	97.6
Q1												
R1	49.0	50.7	96.6	89.4	49.0	50.2	97.6	88.6	49.0	50.0	98.0	88.6
T1		54.0			50.0	54.0	92.6	90.4		52.7		
Y1												
E2	70.5	62.2	113.3	128.6		63.8			71.1	64.8	109.7	128.6
F2												
K2	67.0	62.0	108.1	122.3	56.0	62.8	89.2	101.3	73.0	62.5	116.8	132.0
P2	51.0	52.2	97.7	93.1	52.0	51.7	100.6	94.0	53.0	51.2	103.5	95.8
K2		54.3				54.3				54.5		
S2	67.0	65.8	101.8	122.3	68.0	66.2	102.7	123.0	69.5	67.4	103.1	125.7
V2	50.5	44.3	114.0	92.2	48.5	46.3	104.8	87.7	47.0	47.5	98.9	85.0
W2		56.2				56.2				62.6		
A3	49.5	46.9	105.5	90.3	45.5	47.5	95.8	82.3	46.0	46.7	98.5	83.2
F3												
H3	54.0	53.0	101.9	98.5	53.0	53.0	100.0	95.8	50.0	52.8	94.7	90.4
I3												
J3		50.1				50.1				50.1		
K3	63.0	62.2	101.3	115.0	55.0	62.3	88.3	99.4	60.0	60.3	99.5	108.5
Q3		55.4				55.2				55.2		
P3	44.5	49.3	90.3	81.2	46.0	48.3	95.2	83.2	45.0	48.8	92.2	81.4
R3	49.0	46.0	106.5	89.4	50.0	46.9	106.6	90.4	51.0	47.8	106.7	92.2
T3	49.5	54.6	90.6	90.3	58.8	53.8	109.3	106.3	61.3	54.5	112.5	110.8
V3		59.8				58.7				57.3		
W3												
Z3	57.0	54.2	105.2	104.0	55.0	53.9	102.0	99.4	54.5	53.7	101.5	98.6
B4	60.0	55.5	108.1	109.5	62.0	56.2	110.3	112.1	59.0	57.1	103.3	106.7
C4	65.0	60.2	108.0	118.6	62.0	62.8	98.7	112.1	62.0	64.3	96.4	112.1
D4	60.0	62.2	96.5	109.5	61.0	61.8	98.7	110.3	60.0	61.6	97.4	108.5
G4												
H4												
J4	65.0	64.7	100.5	118.6	59.0	64.2	91.9	106.7	55.0	63.0	87.3	99.4
N4		42.4				42.4				42.8		
R4												
T4												
FKBG DATA												
CUR.												
AV.	57.0				54.4				56.7			
CUM.												
AV.	54.8				55.3				55.3			
IND.												
#D	104.0				98.4				102.5			

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

TABLE IX
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD
JAN-FEB, 1986

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
K1		5.3				38.0				39.0				10.5				100		
O1	5.2	5.8	89.6	92.8	37.0	37.2	99.5	97.4	38.0	38.0	100.0	98.4	11.1	11.6	95.7	101.8	110	108	101.8	112.2
T1	5.8	5.1	113.7	103.6	40.8	40.4	101.0	107.4	41.7	41.5	100.5	108.0	11.6	11.0	105.4	106.4	92	91	101.1	93.9
C2		3.4				38.6				39.3				10.6				94		
G2	5.9	5.8	101.7	105.4	38.8	38.5	100.8	102.1	38.9	38.6	100.8	100.8	11.7	11.3	103.5	107.3	116	104	111.5	116.4
K2	6.4	6.2	103.2	114.3	37.6	37.5	100.3	98.9	38.2	38.1	100.3	99.0	11.1	10.9	101.8	101.8	107	108	99.1	109.2
O2		5.5				37.5				38.4				10.7				98		
S2	5.3	5.6	94.6	94.6	37.4	37.6	99.5	98.4	38.4	38.5	99.7	99.5	9.7	9.4	103.2	89.0	102	99	103.0	104.1
V2		6.0				38.4				39.2				10.8				92		
M2	5.1	5.1	100.0	91.1	37.7	37.6	100.3	99.2	38.8	38.7	100.2	100.5	10.3	10.6	97.2	94.5	98	99	99.0	100.0
X2	6.0	6.0	100.0	107.1	38.0	38.2	99.5	100.0	38.1	38.3	99.5	98.7	11.3	11.1	101.8	103.7	100	93	107.5	102.0
A3		6.0		107.1		38.0		100.0		38.3		99.2		10.8		99.1		90		91.8
B3	5.9	6.0	98.3	105.4	38.1	38.1	100.0	100.3	38.2	38.2	100.0	99.0	10.4	10.1	103.0	95.4	100	96	104.2	102.0
J3	5.5	5.7	96.5	98.2	37.8	38.0	99.5	99.5	37.9	38.1	99.5	98.2	10.1	10.4	97.1	92.7	94	97	96.9	95.9
K3		5.8				38.6				39.2				11.2				91		
R3	6.0	6.0	100.0	107.1	38.0	38.0	100.0	100.0	38.1	38.1	100.0	98.7	11.7	11.2	104.5	107.3	95	95	100.0	96.9
T3	5.9	5.2	113.5	105.4	37.7	37.6	100.3	99.2	38.5	38.6	99.7	99.7	10.8	10.6	101.9	99.1	95	98	96.9	96.9
V3	5.8	5.8	100.0	103.6	38.5	38.3	100.5	101.3	39.3	39.1	100.5	101.8	11.6	11.5	100.9	106.4		93		
X3		5.6				38.1				38.4				11.4				97		
Y3	5.6	5.5	101.8	100.0	37.6	37.6	100.0	98.9	38.5	38.5	100.0	99.7	10.8	10.6	101.9	99.1	102	103	99.0	104.1
Z3	5.8	5.8	100.0	103.6	38.4	38.3	100.3	101.0	38.5	38.4	100.3	99.7					94	97	96.9	95.9
B4	6.3	6.3	100.0	112.5	38.0	38.0	100.0	100.0	38.2	38.2	100.0	99.0	10.8	11.2	96.4	99.1	96	94	102.1	98.0
C4		5.9				38.0				38.1				11.1				102		
D4	5.7	5.4	105.6	101.8	38.3	38.2	100.3	100.8	38.4	38.4	100.0	99.5	11.0	11.2	98.2	100.9	115	103	111.6	117.3
E4	5.9	6.4	92.2	105.4	37.5	37.8	99.2	98.7	38.3	38.4	99.7	99.2	10.7	10.6	100.9	98.2	101	101	100.0	103.1
R4	4.8	4.5	106.7	85.7	38.2	37.5	101.9	100.5	39.5	38.8	101.8	102.3	11.1	10.6	104.7	101.8	110	112	98.2	112.2
T4		4.9				38.2				38.4				10.6				96		
FKBG DATA																				
CUR.																				
AV. 5.7																				
CUM.																				
AV. 5.6																				
IND.																				
*D 101.8																				
100.3																				
100.0																				
100.0																				
103.1																				

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

TABLE X

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

MAR-APR, 1986

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	5.2			92.8	38.4			101.0	39.5			102.3	10.6			97.2	104			105.0
K1	5.5			98.2	38.4			101.0	39.4			102.1	9.6			88.1	101			102.0
D1	6.2	5.6	110.7	110.7	37.2	37.1	100.3	97.9	37.8	38.0	99.5	97.9	11.7	11.4	102.6	107.3	102	110	92.7	103.0
T1	5.9	5.2	113.5	105.4	40.4	40.4	100.0	106.3	41.2	41.5	99.3	106.7	11.5	11.1	103.6	105.5	92	91	101.1	92.9
C2		3.4				38.6				39.0				10.6				94		
G2	5.8	5.8	100.0	103.6	38.2	38.5	99.2	100.5	38.3	38.6	99.2	99.2	11.0	11.4	96.5	100.9	111	106	104.7	112.1
K2	6.0	6.3	95.2	107.1	37.1	37.5	98.9	97.6	37.8	38.1	99.2	97.9	10.5	11.0	95.4	96.3	98	107	91.6	99.0
D2		5.5				37.5				38.4				10.9				98		
S2	6.0	5.5	109.1	107.1	37.7	37.5	100.5	99.2	38.5	38.4	100.3	99.7	9.4	9.4	100.0	86.2	97	100	97.0	98.0
V2		6.0				38.4				39.2				10.8				92		
W2	5.4	5.2	103.8	96.4	37.7	37.6	100.3	99.2	38.7	38.7	100.0	100.2	10.7	10.6	100.9	98.2	97	99	98.0	98.0
X2		6.0				38.2				38.3				10.9				96		
A3	5.7	6.0	95.0	101.8	37.9	38.0	99.7	99.7	38.2	38.3	99.7	99.0	11.0	10.8	101.8	100.9	89	90	98.9	89.9
B3	6.0	6.0	100.0	107.1	38.0	38.1	99.7	100.0	38.1	38.2	99.7	98.7	10.5	10.2	102.9	96.3	95	97	97.9	96.0
J3	5.8	5.7	101.8	103.6	37.9	38.0	99.7	99.7	38.0	38.1	99.7	98.4	10.1	10.2	99.0	92.7	96	97	99.0	97.0
K3		5.9				38.3				39.1				11.1				92		
R3	6.0	6.0	100.0	107.1	37.9	38.0	99.7	99.7	38.0	38.1	99.7	98.4	11.2	11.3	99.1	102.8	90	95	96.7	90.9
T3	5.9	5.3	111.3	105.4	37.6	37.6	100.0	98.9	38.4	38.6	99.5	99.5	10.9	10.6	102.8	100.0	98	98	100.0	99.0
V3	5.9	5.8	101.7	105.4	38.4	38.2	100.5	101.0	39.2	39.0	100.5	101.6	11.0	11.5	95.6	100.9	104	93	111.8	105.0
X3		5.5				38.1				38.4				11.4				96		
Y3	5.6	5.5	101.8	100.0	37.4	37.5	99.7	98.4	38.3	38.4	99.7	99.2	11.1	10.7	103.7	101.8	98	103	95.1	99.0
Z3	5.8	5.8	100.0	103.6	38.2	38.3	99.7	100.5	38.3	38.4	99.7	99.2					97	97	100.0	98.0
B4	6.8	6.3	107.9	121.4	38.0	38.0	100.0	100.0	38.2	38.2	100.0	99.0	11.2	11.2	100.0	102.8	94	94	100.0	94.9
C4		5.8				38.0				38.0				11.0				100		
D4	5.8	5.4	107.4	103.6	38.1	38.2	99.7	100.3	38.2	38.4	99.5	99.0	11.6	11.2	103.6	106.4	107	106	100.9	108.1
E4	5.9	6.3	93.6	105.4	37.5	37.8	99.2	98.7	38.3	38.4	99.7	99.2	10.6	10.6	100.0	97.2	105	101	104.0	106.1
R4		4.6				37.8				39.2				10.8				111		
T4		4.9				38.2				38.4				10.6				96		

FKBG DATA

CUR.

AV. 5.8

38.0

38.5

10.8

99

CUM.

AV. 5.6

38.0

38.6

10.9

99

IND.

*D 103.6

100.0

99.7

99.1

100.0

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

TABLE XI

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

MAY-JUN, 1986

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	5.8	5.2	111.5	103.6	38.3	38.4	99.7	100.8	39.1	39.5	99.0	101.3	11.0	10.6	103.8	101.8	106	104	101.9	107.1
K1		5.5				38.4				39.4				9.6				101		
D1	6.1	5.7	107.0	108.9	37.0	37.1	99.7	97.4	37.7	37.9	99.5	97.7	10.9	11.4	95.6	100.9	105	106	99.0	106.1
T1	5.6	5.4	103.7	100.0	40.2	40.4	99.5	105.8	41.2	41.5	99.3	106.7	11.4	11.2	101.8	105.6	92	91	101.1	92.9
C2		3.4				38.6				39.0				10.6				94		
G2	5.8	5.8	100.0	103.6	38.2	38.4	99.5	100.5	38.3	38.6	99.2	99.2	11.7	11.3	103.5	108.3	107	108	99.1	108.1
K2	6.1	6.2	98.4	108.9	37.6	37.4	100.5	98.9	38.3	38.0	100.8	99.2	11.0	10.8	101.8	101.8	106	105	101.0	107.1
O2		5.4				37.4				38.3				10.8				98		
S2	5.8	5.5	105.4	103.6	37.6	37.5	100.3	98.9	38.5	38.5	100.0	99.7	9.1	9.4	96.8	84.2	96	100	96.0	97.0
V2		6.0				38.4				39.2				10.8				92		
H2	5.8	5.3	109.4	103.6	37.9	37.6	100.8	99.7	38.7	38.7	100.0	100.2	10.6	10.6	100.0	98.1	102	97	105.2	103.0
X2	6.0	6.0	100.0	107.1	38.2	38.2	100.0	100.5	38.3	38.3	100.0	99.2	10.9	10.9	100.6	100.9	98	96	102.1	99.0
A3	5.8	5.8	100.0	103.6	37.8	38.0	99.5	99.5	37.9	38.2	99.2	98.2	10.5	10.9	96.3	97.2	95	90	105.6	96.0
B3	5.9	6.0	98.3	105.4	38.1	38.1	100.0	100.3	38.2	38.2	100.0	99.0	10.5	10.2	102.9	97.2	97	96	101.0	98.0
J3	5.8	5.6	103.6	103.6	38.2	38.0	100.5	100.5	38.3	38.1	100.5	99.2	10.0	10.2	98.0	92.6	96	97	99.0	97.0
K3		5.9				38.3				39.1				10.8				91		
R3	5.9	6.0	98.3	105.4	38.0	38.0	100.0	100.0	38.1	38.1	100.0	98.7	11.5	11.4	100.9	106.5	96	94	102.1	97.0
T3	5.5	5.4	101.8	98.2	37.3	37.7	98.9	98.2	38.2	38.6	99.0	99.0	10.7	10.7	100.0	99.1	95	98	96.9	96.0
V3	5.8	5.8	100.0	103.6	38.0	38.2	99.5	100.0	38.8	39.0	99.5	100.5	11.6	11.4	101.8	107.4	104	96	108.3	105.0
X3		5.5				38.0				38.4				11.5				94		
Y3	5.5	5.5	100.0	98.2	37.5	37.5	100.0	98.7	38.4	38.4	100.0	99.5	11.1	10.8	102.8	102.8	100	102	98.0	101.0
Z3	6.0	5.8	103.4	107.1	38.2	38.4	99.5	100.5	38.3	38.5	99.5	99.2					96	97	99.0	97.0
A4	5.9		105.4		37.9		99.7		38.7		100.2		9.9			91.7	109			110.1
B4	6.7	6.4	104.7	119.6	38.0	38.0	100.0	100.0	38.2	38.2	100.0	99.0	11.4	11.1	102.7	105.6	95	94	101.1	96.0
C4	6.3	5.8	108.6	112.5	37.9	38.0	99.7	99.7	38.0	38.1	99.7	98.4	11.0	11.0	100.0	101.8	105	97	108.2	106.1
D4	6.2	5.5	112.7	110.7	38.1	38.2	99.7	100.3	38.2	38.3	99.7	99.0	11.1	11.3	98.2	102.8	105	107	98.1	106.1
E4	6.1	6.2	98.4	108.9	37.5	37.6	99.7	98.7	38.2	38.3	99.7	99.0	10.5	10.6	99.0	97.2	103	101	102.0	104.0
R4		4.6				37.8				39.2				10.8				111		
T4	5.3	4.9	108.2	94.6	38.2	38.2	100.0	100.5	38.3	38.4	99.7	99.2	10.3	10.6	97.2	95.4	96	96	100.0	97.0
FKBG DATA																				
CUR.																				
AV. 5.9																				
CUM.																				
AV. 5.6																				
IND.																				
*D 105.4																				
100.0																				
99.5																				
100.0																				
101.0																				

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

TABLE XII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD
RING COMPRESSION, LBS.

	JAN-FEB, 1986				MAR-APR, 1986				MAY-JUN, 1986			
	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
B1												
K1		65.9			76.8			113.6		76.8		
O1												
T1		73.6			84.0	73.6	114.1	124.3	94.5	75.7	124.8	139.0
C2		64.5				64.5				64.5		
G2	77.0	76.9	100.1	114.9	67.0	77.1	86.9	99.1	68.0	76.2	89.2	100.0
K2	75.0	71.2	105.3	111.9		72.5			77.0	72.5	106.2	113.2
O2												
S2	79.1	73.8	107.2	118.0	72.0	75.6	95.2	106.5	77.2	76.3	101.2	113.5
V2		54.0				54.0				54.0		
W2	82.4	72.0	114.4	123.0	78.3	75.2	104.1	115.8	79.7	76.6	104.0	117.2
X2	65.0	59.1	110.0	97.0		61.7			66.2	61.7	107.3	97.4
A3	57.5			85.8	58.0	57.5	100.9	85.8	59.0	57.8	102.1	86.8
B3	62.0	60.0	103.3	92.5	58.0	60.5	95.9	85.8	63.0	60.0	105.0	92.6
J3	60.4	58.6	103.1	90.1	63.6	59.8	106.4	94.1	58.0	60.4	96.0	85.3
K3		75.3				75.3				75.0		
R3	61.0	56.6	107.8	91.0	58.0	58.0	100.0	85.8	60.0	58.6	102.4	88.2
T3	59.9	66.3	90.3	89.4	73.5	65.2	112.7	108.7	75.4	66.2	113.9	110.9
V3		69.8				69.1				68.5		
X3		61.7				61.9				61.6		
Y3	66.0	66.0	100.0	98.5	65.0	65.9	98.6	96.2	67.5	65.8	102.6	99.3
Z3	71.5	69.5	102.9	106.7	71.0	70.0	101.4	105.0	70.0	70.3	99.6	102.9
A4										43.0		63.2
B4	73.0	68.1	107.2	109.0	69.0	68.9	100.1	102.1	66.5	68.9	96.5	97.8
L4		71.0				72.5			80.0	71.0	112.7	117.6
D4	76.0	69.8	108.9	113.4	73.0	71.1	102.7	108.0	66.0	71.8	91.9	97.0
E4												
R4												
T4		60.0				60.0				60.0		
FKBG DATA												
CUR.												
AV.	69.0				69.1				68.9			
CUM.												
AV.	67.0				67.6				68.0			
IND.												
*D	103.0				102.2				101.3			

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

TABLE XIII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD
JAN-FEB, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.1	6.0	101.7	105.2	42.1	42.0	100.2	101.0	42.3	42.2	100.2	100.0	11.5	11.6	99.1	97.4	108	110	98.2	101.9
K1	5.7	5.6	101.8	98.3	41.6	41.6	100.0	99.8	42.6	42.6	100.0	100.7	11.2	11.4	98.2	94.9	108	110	98.2	101.9
O1	6.4	6.3	101.6	110.3	41.3	41.2	100.2	99.0	41.9	42.0	99.8	99.0	12.1	12.7	95.3	102.5	118	114	103.5	111.3
R1	5.4	5.3	101.9	93.1	41.5	41.3	100.5	99.5	41.9	41.7	100.5	99.0	12.3	12.4	99.2	104.2	105	104	101.0	99.0
S1	6.0	6.0	100.0	103.4	41.9	41.6	100.7	100.5	42.7	42.4	100.7	100.9	11.6	11.5	100.9	98.3	101	105	96.2	95.3
T1	6.0	5.2	115.4	103.4	41.4	41.3	100.2	99.3	42.2	42.5	99.3	99.8	11.6	11.3	102.6	98.3	98	100	98.0	92.4
Y1	6.2	6.2	100.0	106.9	41.5	41.5	100.0	99.5	42.2	42.2	100.0	99.8	11.2	11.2	100.0	94.9	106	103	102.9	100.0
C2		4.2				42.6				43.0				12.0				105		
F2	6.2	6.0	103.3	106.9	41.6	41.5	100.2	99.8	42.3	42.3	100.0	100.0	12.3	12.0	102.5	104.2	103	100	103.0	97.2
G2	5.6	5.8	96.6	96.6	42.3	42.3	100.0	101.4	42.4	42.4	100.0	100.2	12.6	12.5	100.8	106.8	114	105	108.6	107.5
K2	6.4	6.4	100.0	110.3	41.4	41.6	99.5	99.3	42.0	42.2	99.5	99.3	11.8	11.8	100.0	100.0	111	113	98.2	104.7
L2	6.3	6.2	101.6	108.6	41.8	41.5	100.7	100.2	42.5	42.2	100.7	100.5	12.5	12.4	100.8	105.9	100	100	100.0	94.3
O2		5.8				41.7				42.6				12.1				103		
R2	4.9	5.1	96.1	84.5	41.3	41.4	99.8	99.0	42.6	42.6	100.0	100.7	12.1	12.2	99.2	102.5	102	104	98.1	96.2
S2	5.6	5.7	98.2	96.6	41.3	41.4	99.8	99.0	42.3	42.4	99.8	100.0	10.5	10.4	101.0	89.0	107	107	100.0	100.9
V2	6.1	6.2	98.4	105.2	41.5	41.6	99.8	99.5	42.2	42.2	100.0	99.8	11.9	11.0	108.2	100.8	104	106	98.1	98.1
W2	5.5	5.6	98.2	94.8	41.7	41.5	100.5	100.0	42.7	42.5	100.5	100.9	11.7	11.9	98.3	99.2	107	106	100.9	100.9
X2	6.0	6.0	100.0	103.4	42.0	42.2	99.5	100.7	42.1	42.3	99.5	99.5	12.6	12.3	102.4	106.8	104	101	103.0	98.1
A3	6.0	5.4	111.1	103.4	41.9	42.1	99.5	100.5	42.3	42.5	99.5	100.0	12.1	12.6	96.0	102.5	100	91	109.9	94.3
B3	6.0	6.0	100.0	103.4	42.1	42.0	100.2	101.0	42.2	42.2	100.0	99.8	11.7	11.3	103.5	99.2	103	104	99.0	97.2
H3	5.2	5.2	100.0	89.6	41.1	41.1	100.0	98.6	42.3	42.3	100.0	100.0	12.4	12.6	98.4	105.1	102	103	99.0	96.2
I3	5.9	6.1	96.7	101.7	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.0	11.1	99.1	93.2	105	107	98.1	99.0
J3	5.9	5.9	100.0	101.7	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.8	11.1	11.4	97.4	94.1	104	104	100.0	98.1
K3	5.9	6.0	98.3	101.7	41.8	41.7	100.2	100.2	42.7	42.5	100.5	100.9	11.7	11.9	98.3	99.2	100	100	100.0	94.3
L3	5.3	5.3	100.0	91.4	41.5	41.6	99.8	99.5	42.6	42.7	99.8	100.7	10.8	10.7	100.9	91.5	105	106	99.0	99.0
O3	5.5	5.5	100.0	94.8	41.5	41.6	99.8	99.5	42.5	42.6	99.8	100.5	12.1	12.6	96.0	102.5	104	104	100.0	98.1
P3	6.3	6.0	105.0	108.6	40.8	40.8	100.0	97.8	41.5	41.6	99.8	98.1	12.1	12.4	97.6	102.5	102	104	98.1	96.2
Q3	5.8	4.9	118.4	100.0	41.9	41.6	100.7	100.5	42.8	42.9	99.8	101.2	10.9	11.1	98.2	92.4	107	109	98.2	100.9
T3	5.9	5.4	109.2	101.7	41.7	41.5	100.5	100.0	42.6	42.6	100.0	100.7	11.8	11.9	99.2	100.0	104	106	98.1	98.1
Y3	6.0	5.8	103.4	103.4	42.1	41.8	100.7	101.0	42.9	42.7	100.5	101.4	12.4	12.3	100.8	105.1		103		
X3		5.7				42.0				42.4				12.6				104		
Y3	6.0	5.9	101.7	103.4	41.4	41.2	100.5	99.3	42.2	42.1	100.2	99.8	12.0	11.6	103.4	101.7	109	110	99.1	102.0
Z3	5.8	5.8	100.0	100.0	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.5					104	103	101.0	98.1
A4	5.4	5.5	98.2	93.1	41.4	41.2	100.5	99.3	42.5	42.3	100.5	100.5	11.5	11.7	98.3	97.4	115	118	97.4	108.5
B4	6.5	6.5	100.0	112.1	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	11.9	12.3	96.7	100.8	105	105	100.0	99.0
D4	5.7	5.5	103.6	98.3	42.2	42.2	100.0	101.2	42.3	42.4	99.8	100.0	12.3	12.4	99.2	104.2	117	111	105.4	110.4
E4	5.8	6.4	90.6	100.0	41.2	41.6	99.0	98.8	42.1	42.3	99.5	99.5	12.1	12.2	99.2	102.5	108	106	101.9	101.9
G4	6.4	6.4	100.0	110.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.6	11.7	99.1	98.3	107	107	100.0	100.9
H4	6.5	6.1	106.6	112.1	41.7	41.8	99.8	100.0	41.8	41.9	99.8	98.8	13.1	13.7	95.6	111.0	104	104	100.0	98.1
M4	5.9	5.9	100.0	101.7	42.1	42.2	99.8	101.0	42.2	42.2	100.0	99.8	12.1	12.0	100.8	102.5	123	121	101.6	116.0
T4	4.9	5.0	98.0	84.5	42.5	42.2	100.7	101.9	42.6	42.4	100.5	100.7	11.8	11.4	103.5	100.0	107	105	101.9	100.9
FKBG DATA																				
CUR.																				
AV. 5.9																				
CUM.																				
AV. 5.8																				
IND.																				
*D 101.7																				
100.0																				
100.0																				
100.0																				

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

TABLE XIV

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

MAR-APR, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
A1	5.9	6.0	98.3	101.7	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	11.9	11.6	102.6	100.8	106	110	96.4	100.0
B1	5.9			101.7	42.0			100.7	42.9			101.4	12.1			102.5	115			108.5
K1	5.9	5.6	105.4	101.7	41.8	41.6	100.5	100.2	42.7	42.6	100.2	100.9	10.7	11.4	93.8	90.7	107	110	97.3	100.9
O1	6.2	6.3	98.4	106.9	41.2	41.3	99.8	98.8	41.9	42.0	99.8	99.0	12.4	12.5	99.2	105.1	115	116	99.1	108.5
R1	5.4	5.3	101.9	93.1	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.3	12.3	12.3	100.0	104.2	107	104	102.9	100.9
S1	6.2	6.0	103.3	106.9	42.0	41.6	101.0	100.7	42.7	42.4	100.7	100.9	11.5	11.6	99.1	97.4	106	105	101.0	100.0
T1	6.1	5.4	113.0	105.2	41.6	41.3	100.7	99.8	42.3	42.4	99.8	100.0	11.8	11.4	103.5	100.0	99	99	100.0	93.4
Y1	6.2	6.2	100.0	106.9	41.5	41.5	100.0	99.5	42.2	42.2	100.0	99.8	11.1	11.2	99.1	94.1	105	103	101.9	99.0
C2		4.2				42.6				43.0				12.0				105		
F2	6.3	6.0	105.0	108.6	41.5	41.5	100.0	99.5	42.2	42.3	99.8	99.8	12.1	12.0	100.8	102.5	101	101	100.0	95.3
G2	5.7	5.8	98.3	98.3	42.2	42.3	99.8	101.2	42.3	42.4	99.8	100.0	12.4	12.5	99.2	105.1	111	107	103.7	104.7
K2	6.2	6.4	96.9	106.9	41.5	41.5	100.0	99.5	42.2	42.2	100.0	99.8	11.8	11.9	99.2	100.0	115	112	102.7	108.5
L2	6.0	6.2	96.8	103.4	41.4	41.6	99.5	99.3	42.2	42.2	100.0	99.8	12.0	12.3	97.6	101.7	105	100	105.0	99.0
O2		5.8				41.7				42.6				12.1				103		
R2	5.0	5.0	100.0	86.2	40.9	41.4	98.8	98.1	42.1	42.6	98.8	99.5	12.0	12.2	98.4	101.7	104	103	101.0	98.1
S2	6.0	5.6	107.1	103.4	41.6	41.4	100.5	99.8	42.4	42.4	100.0	100.2	10.7	10.4	102.9	90.7	110	107	102.8	103.8
V2	6.2	6.2	100.0	106.9	41.5	41.6	99.8	99.5	42.2	42.2	100.0	99.8	11.5	11.1	103.6	97.4	104	106	98.1	98.1
W2	5.8	5.6	103.6	100.0	41.8	41.5	100.7	100.2	42.7	42.5	100.5	100.9	11.8	11.9	99.2	100.0	105	106	99.0	99.0
X2	6.0	6.0	100.0	103.4	42.1	42.2	99.8	101.0	42.2	42.2	100.0	99.8	12.1	12.4	97.6	102.5	104	102	102.0	98.1
A3	5.9	5.7	103.5	101.7	41.9	42.0	99.8	100.5	42.3	42.4	99.8	100.0	12.0	12.4	96.8	101.7	100	96	104.2	94.3
B3	6.0	6.0	100.0	103.4	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.5	11.6	11.3	102.6	98.3	103	104	99.0	97.2
H3	5.2	5.2	100.0	89.6	41.0	41.1	99.8	98.3	42.1	42.3	99.5	99.5	12.5	12.5	100.0	105.9	102	102	100.0	96.2
I3	5.8	6.1	95.1	100.0	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.2	11.1	100.9	94.9	104	107	97.2	98.1
J3	6.0	5.9	101.7	103.4	42.0	42.1	99.8	100.7	42.2	42.2	100.0	99.8	11.1	11.3	98.2	94.1	104	104	100.0	98.1
K3	5.8	6.0	96.7	100.0	41.4	41.7	99.3	99.3	42.3	42.5	99.5	100.0	12.0	11.8	101.7	101.7	99	100	99.0	93.4
L3	5.3	5.3	100.0	91.4	41.6	41.5	100.2	99.8	42.7	42.6	100.2	100.9	10.6	10.7	99.1	89.8	107	106	100.9	100.9
O3	5.3	5.5	96.4	91.4	41.2	41.6	99.0	98.8	42.3	42.6	99.3	100.0	12.3	12.5	98.4	104.2	103	104	99.0	97.2
P3	6.5	6.1	106.6	112.1	41.1	40.8	100.7	98.6	41.7	41.5	100.5	98.6	12.3	12.3	100.0	104.2	102	103	99.0	96.2
Q3	5.8	5.1	113.7	100.0	41.4	41.7	99.3	99.3	42.3	42.9	98.6	100.0	10.5	11.1	94.6	89.0	107	108	99.1	100.9
T3	5.9	5.5	107.3	101.7	41.3	41.6	99.3	99.0	42.2	42.6	99.1	99.8	11.8	11.8	100.0	100.0	102	106	96.2	96.2
V3	6.2	5.9	105.1	106.9	42.1	41.8	100.7	101.0	42.8	42.7	100.2	101.2	12.4	12.3	100.8	105.1	102	103	99.0	96.2
X3	5.9	5.7	103.5	101.7	41.9	42.0	99.8	100.5	42.3	42.4	99.8	100.0	12.0	12.5	96.0	101.7	100	104	96.2	94.3
Y3	5.9	5.9	100.0	101.7	41.3	41.2	100.2	99.0	42.2	42.1	100.2	99.8	11.9	11.6	102.6	100.8	105	110	95.4	99.0
Z3	5.9	5.8	101.7	101.7	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.5					102	104	98.1	96.2
A4	5.9	5.5	107.3	101.7	41.5	41.2	100.7	99.5	42.4	42.3	100.2	100.2	11.9	11.6	102.6	100.8	112	118	94.9	105.7
B4	7.2	6.5	110.8	124.1	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	12.0	12.2	98.4	101.7	104	104	100.0	98.1
D4	5.8	5.6	103.6	100.0	42.1	42.2	99.8	101.0	42.2	42.4	99.5	99.8	12.3	12.4	99.2	104.2	117	113	103.5	110.4
E4	6.0	6.3	95.2	103.4	41.4	41.6	99.5	99.3	42.2	42.2	100.0	99.8	11.7	12.2	95.9	99.2	110	106	103.8	103.8
F4	5.0		86.2			42.3		101.4		42.4		100.2		11.1		94.1	120			113.2
G4	6.5	6.4	101.6	112.1	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.7	11.7	100.0	99.2	107	107	100.0	100.9
H4		6.2				41.8				41.9				13.5				104		
M4	6.1	5.9	103.4	105.2	42.1	42.2	99.8	101.0	42.2	42.2	100.0	99.8	12.1	12.0	100.8	102.5	118	121	97.5	111.3
T4	5.4	5.0	108.0	93.1	42.3	42.2	100.2	101.4	42.4	42.4	100.0	100.2	11.5	11.4	100.9	97.4	107	106	100.9	100.9

FK86 DATA

CUR.				
AV.	5.9		41.7	42.3
CUM.				
AV.	5.8		41.7	42.3
IND.				
#D	101.7		100.0	100.0
				100.0
				100.0
				100.0

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

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

MAY-JUN, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.0	6.0	100.0	103.4	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	11.6	11.7	99.1	98.3	108	108	100.0	101.9
B1	5.8	5.9	98.3	100.0	42.1	42.0	100.2	101.0	43.0	42.9	100.2	101.6	12.3	12.1	101.6	104.2	122	115	106.1	115.1
K1	6.0	5.7	105.3	103.4	41.8	41.7	100.2	100.2	42.6	42.7	99.8	100.7	10.5	11.2	93.8	89.0	108	111	97.3	101.9
D1	6.3	6.3	100.0	108.6	40.9	41.3	99.0	98.1	41.6	41.9	99.3	98.3	12.1	12.5	96.8	102.5	112	116	96.6	105.7
R1	5.3	5.3	100.0	91.4	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.3	12.5	12.3	101.6	105.9	103	104	99.0	97.2
S1	6.2	6.1	101.6	106.9	41.5	41.7	99.5	99.5	42.2	42.5	99.3	99.8	11.7	11.6	100.9	99.2	106	104	101.9	100.0
T1	5.8	5.5	105.4	100.0	41.5	41.4	100.2	99.5	42.4	42.4	100.0	100.2	11.8	11.4	103.5	100.0	98	99	99.0	92.4
Y1	6.1	6.2	98.4	105.2	41.5	41.5	100.0	99.5	42.2	42.2	100.0	99.8	10.9	11.2	97.3	92.4	103	103	100.0	97.2
C2		4.2				42.6				43.0				12.0				105		
F2	6.1	6.0	101.7	105.2	41.5	41.5	100.0	99.5	42.2	42.3	99.8	99.8	11.7	12.1	96.7	99.2	101	101	100.0	95.3
G2	6.0	5.7	105.3	103.4	42.2	42.3	99.8	101.2	42.3	42.4	99.8	100.0	12.5	12.4	100.8	105.9	108	108	100.0	101.9
K2	6.0	6.3	95.2	103.4	41.7	41.5	100.5	100.0	42.5	42.2	100.7	100.5	12.3	11.9	103.4	104.2	115	113	101.8	108.5
L2	5.8	6.2	93.5	100.0	41.6	41.6	100.0	99.8	42.5	42.3	100.5	100.5	11.8	12.2	96.7	100.0	106	101	105.0	100.0
D2		5.8				41.7				42.6				12.0				104		
R2	5.0	5.0	100.0	86.2	41.0	41.4	99.0	98.3	42.2	42.6	99.1	99.8	11.8	12.2	96.7	100.0	106	103	102.9	100.0
S2	5.9	5.6	105.4	101.7	41.6	41.4	100.5	99.8	42.4	42.4	100.0	100.2	10.6	10.5	101.0	89.8	106	108	98.1	100.0
V2	6.2	6.2	100.0	106.9	41.6	41.6	100.0	99.8	42.3	42.2	100.2	100.0	11.6	11.2	103.6	98.3	103	105	98.1	97.2
M2	6.2	5.6	110.7	106.9	42.0	41.6	101.0	100.7	42.7	42.6	100.2	100.9	12.0	11.9	100.8	101.7	107	105	101.9	100.9
X2	6.0	6.0	100.0	103.4	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.8	11.7	12.3	95.1	99.2	107	102	104.9	100.9
A3	6.4	5.8	110.3	110.3	41.8	42.0	99.5	100.2	41.9	42.4	98.8	99.0	11.9	12.2	97.5	100.8	105	97	108.2	99.0
B3	5.9	6.0	98.3	101.7	41.9	42.0	99.8	100.5	42.0	42.2	99.5	99.3	11.8	11.4	103.5	100.0	104	104	100.0	98.1
H3	5.0	5.3	94.3	86.2	40.9	41.1	99.5	98.1	42.1	42.2	99.8	99.5	12.4	12.6	98.4	105.1	104	102	102.0	98.1
I3	5.7	6.0	95.0	98.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.3	11.2	100.9	95.8	103	106	97.2	97.2
J3	6.0	5.9	101.7	103.4	42.5	42.1	101.0	101.9	42.6	42.2	100.9	100.7	11.2	11.2	100.0	94.9	105	104	101.0	99.0
K3	5.7	5.9	96.6	98.3	41.5	41.6	99.8	99.5	42.5	42.4	100.2	100.5	12.0	11.7	102.6	101.7	99	100	99.0	93.4
L3	5.2	5.2	100.0	89.6	41.4	41.5	99.8	99.3	42.6	42.6	100.0	100.7	10.8	10.8	100.0	91.5	108	106	101.9	101.9
D3	5.5	5.5	100.0	94.8	41.2	41.5	99.3	98.8	42.2	42.5	99.3	99.8	12.1	12.4	97.6	102.5	103	104	99.0	97.2
P3	6.4	6.1	104.9	110.3	41.2	40.8	101.0	98.8	41.8	41.6	100.5	98.8	12.4	12.3	100.8	105.1	103	103	100.0	97.2
Q3	5.8	5.2	111.5	100.0	41.4	41.7	99.3	99.3	42.3	42.8	98.8	100.0	10.6	11.0	96.4	89.8	106	108	98.1	100.0
T3	5.7	5.6	101.8	98.3	41.2	41.6	99.0	98.8	42.1	42.6	98.8	99.5	11.8	11.8	100.0	100.0	102	105	97.1	96.2
V3	6.2	5.9	105.1	106.9	41.7	41.9	99.5	100.0	42.4	42.8	99.1	100.2	12.9	12.3	104.9	109.3	104	103	101.0	98.1
X3		5.8				42.0				42.4				12.4				102		
Y3	5.8	5.9	98.3	100.0	41.2	41.3	99.8	98.8	42.1	42.1	100.0	99.5	12.4	11.7	106.0	105.1	105	108	97.2	99.0
Z3	6.0	5.8	103.4	103.4	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.8		0.0			104	103	101.0	98.1
A4	5.7	5.6	101.8	98.3	41.4	41.3	100.2	99.3	42.4	42.3	100.2	100.2	11.0	11.7	94.0	93.2	119	118	100.8	112.3
B4	6.8	6.6	103.0	117.2	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	12.4	12.2	101.6	105.1	106	104	101.9	100.0
D4	6.2	5.6	110.7	106.9	42.0	42.2	99.5	100.7	42.1	42.4	99.3	99.5	12.3	12.4	99.2	104.2	110	114	96.5	103.8
E4	6.1	6.2	98.4	105.2	41.4	41.5	99.8	99.3	42.1	42.2	99.8	99.5	11.6	12.1	95.9	98.3	107	107	100.0	100.9
F4	5.2	5.0	104.0	89.6	42.1	42.3	99.5	101.0	42.2	42.4	99.5	99.8	10.8	11.1	97.3	91.5	118	120	98.3	111.3
G4	6.7	6.4	104.7	115.5	42.2	42.0	100.5	101.2	42.3	42.1	100.5	100.0	11.4	11.7	97.4	96.6	105	107	98.1	99.0
H4		6.3				41.8				41.9				13.3				104		
M4	6.1	6.0	101.7	105.2	42.1	42.2	99.8	101.0	42.2	42.2	100.0	99.8	11.8	12.0	98.3	100.0	118	120	98.3	111.3
T4	5.1	5.0	102.0	87.9	42.2	42.3	99.8	101.2	42.3	42.4	99.8	100.0	11.3	11.4	99.1	95.8	106	106	100.0	100.0
FKBG DATA																				
CUR.																				
AV. 5.9																				
CUM.																				
AV. 5.8																				
IND.																				
*D 101.7																				
100.0																				
99.8																				
99.2																				
100.9																				

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

TABLE XVI
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOUNDRY KRAFT LINERBOARD
RING COMPRESSION, LBS.

	JAN-FEB, 1986				MAR-APR, 1986				MAY-JUN, 1986			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. #8	IND. #C	CUR. AV.	CUM. AV.	FACT. #8	IND. #C	CUR. AV.	CUM. AV.	FACT. #8	IND. #C
A1	84.0	74.5	112.8	114.1	85.5	76.1	112.4	115.4	78.0	78.2	99.7	104.7
B1												
K1	91.2	84.2	108.3	123.9	87.1	86.7	100.5	117.5	92.4	87.5	105.6	124.0
O1												
R1	69.0	70.9	97.3	93.8	66.0	71.1	92.8	89.1	64.0	70.2	91.2	85.9
S1	70.0	69.7	100.4	95.1	70.0	69.5	100.7	94.5	70.0	68.8	101.7	94.0
T1	93.5	84.6	110.5	127.0	85.5	86.4	99.0	115.4	87.0	86.2	100.9	116.8
Y1												
C2	70.0				70.0				70.0			
F2												
G2	80.0	78.2	102.3	108.7	73.0	78.2	93.4	98.5	72.5	77.7	93.3	97.3
K2	80.0	82.3	97.2	108.7	90.0	81.2	110.8	121.4	83.0	81.8	101.5	111.4
L2	75.0	74.9	100.1	101.9	83.0	74.9	110.8	112.0	82.0	75.9	108.0	110.1
O2												
R2	71.0	70.6	100.6	96.5	72.0	70.5	102.1	97.2	65.0	70.3	92.5	87.2
S2	84.1	84.2	99.9	114.3	87.0	85.1	102.2	117.4	90.6	86.2	105.1	121.6
V2	65.5	59.6	109.9	89.0	66.0	61.6	107.1	89.1	64.5	63.2	102.0	86.6
W2	91.6	83.3	110.0	124.4	87.8	86.2	101.8	118.5	88.2	88.0	100.2	118.4
X2	66.4	70.1	94.7	90.2	69.9	70.0	99.8	94.3	75.7	69.3	109.2	101.6
A3	65.5	66.0	99.2	89.0	68.0	65.8	103.3	91.8	66.0	66.5	99.2	88.6
B3	69.0	67.4	102.4	93.8	70.0	68.1	102.8	94.5	72.0	68.5	105.1	96.6
H3	71.0	70.8	100.3	96.5	70.0	70.6	99.2	94.5	68.0	70.2	96.9	91.3
I3												
J3	66.2	64.0	103.4	89.9	68.3	65.5	104.3	92.2	65.9	66.0	99.8	88.4
K3	78.0	79.7	97.9	106.0	78.0	79.4	98.2	105.3	77.0	78.4	98.2	103.4
L3	88.2	85.5	103.2	119.8	88.0	86.7	101.5	118.8	91.4	87.5	104.4	122.7
U3	71.0	74.3	95.6	96.5	70.0	72.9	96.0	94.5	64.0	72.5	88.3	85.9
P3	66.0	68.5	96.4	89.7	67.0	67.8	98.8	90.4	66.0	67.9	97.2	88.6
Q3	70.9	74.6	95.0	96.3	83.9	74.1	113.2	113.2	84.6	75.3	112.4	113.6
T3	69.1	75.3	91.8	93.9	82.0	74.2	110.5	110.7	82.4	75.1	109.7	110.6
V3		76.2				75.1				74.6		
X3		69.2			69.0	69.7	99.0	93.1		69.4		
Y3	70.0	70.2	99.7	95.1	70.0	70.0	100.0	94.5	69.0	69.7	99.0	92.6
Z3	75.0	73.7	101.8	101.9	76.5	72.8	105.1	103.2	75.0	73.3	102.3	100.7
A4	62.0	67.1	92.4	84.2	60.0	67.1	89.4	81.0	58.0	66.2	87.6	77.8
B4	80.0	75.9	105.4	108.7	76.0	76.6	99.2	102.6	75.0	76.6	97.9	100.7
D4	79.0	76.8	102.9	107.3	78.0	77.8	100.2	105.3	72.0	78.0	92.3	96.6
E4												
F4												
G4												
H4		73.8				73.0				83.0		
I4	75.0	72.6	103.3	101.9	77.0	73.5	104.8	103.9	76.0	74.3	102.3	102.0
FKBG DATA												
CUR.												
AV.	75.1				75.8				75.0			
CUM.												
AV.	73.6				74.1				74.5			
IND.												
#D	102.0				102.3				100.7			

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

TABLE XVII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

JAN-FEB, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.5	6.5	100.0	104.8	69.1	69.1	100.0	100.7	69.4	69.4	100.0	100.0	18.7	18.9	98.9	96.4	142	142	100.0	98.6
K1	5.7	5.7	100.0	91.9	68.3	68.2	100.1	99.6	69.9	69.7	100.3	100.7	20.1	19.6	103.6	103.6	160	150	106.7	111.1
Q1	6.0	6.6	90.9	96.6	67.3	68.1	98.8	98.1	68.6	69.0	99.4	98.8	20.2	21.2	95.3	104.1	152	149	102.0	105.6
R1	5.7	5.9	96.6	91.9	68.0	67.8	100.3	99.1	68.6	68.4	100.3	98.8	20.3	20.3	100.0	104.6	146	150	97.3	101.4
S1	6.6	6.5	101.5	106.4	68.8	68.4	100.6	100.3	69.7	69.3	100.6	100.4	19.7	19.8	99.5	101.5	133	135	98.5	92.4
T1	6.5	6.1	106.6	104.8	68.7	68.8	99.8	100.1	69.7	70.0	99.6	100.4	19.6	19.7	99.5	101.0	138	139	99.3	95.8
Y1	6.8	6.8	100.0	109.7	68.9	68.7	100.3	100.4	69.7	69.4	100.4	100.4	19.0	19.0	100.0	97.9	136	138	98.6	94.4
C2		6.0				68.9				69.5				19.5				139		
G2	5.9	5.9	100.0	95.2	69.4	69.4	100.0	101.2	69.6	69.6	100.0	100.3	20.2	20.3	99.5	104.1	158	146	108.2	109.7
K2	6.8	7.1	95.8	109.7	68.1	68.5	99.4	99.3	68.8	69.1	99.6	99.1	18.7	19.4	96.4	96.4	148	143	103.5	102.8
L2	7.0	7.1	98.6	112.9	68.9	68.8	100.1	100.4	69.5	69.3	100.3	100.1	19.5	19.6	99.5	100.5	140	142	98.6	97.2
O2	6.7	6.9	97.1	108.1	69.1	68.9	100.3	100.7	69.9	69.6	100.4	100.7	20.5	19.1	107.3	105.7	136	136	100.0	94.4
R2	5.7	5.8	98.3	91.9	68.2	68.3	99.8	99.4	69.8	69.8	100.0	100.6	18.8	19.0	98.9	96.9	139	143	97.2	96.5
V2	6.1	5.5	110.9	98.4	68.0	67.8	100.4	99.1	69.2	69.4	99.7	99.7	19.2	18.2	105.5	99.0	136	138	98.6	94.4
H2	5.9	5.9	100.0	95.2	68.3	68.3	100.0	99.6	69.7	69.6	100.1	100.4	20.2	20.6	98.6	104.1	141	137	102.9	97.9
X2	6.8	6.9	98.6	109.7	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	19.2	19.1	100.5	99.0	142	135	105.2	98.6
B3	7.1	7.0	101.4	114.5	68.8	69.0	99.7	100.3	69.0	69.2	99.7	99.4	19.1	19.4	98.4	98.4	136	137	99.3	94.4
J3	6.8	6.6	103.0	109.7	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.1	18.7	96.8	93.3	145	146	99.3	100.7
L3	5.8	5.6	103.6	93.5	68.0	67.8	100.3	99.1	69.5	69.4	100.1	100.1	17.5	17.5	100.0	90.2	143	144	99.3	99.3
P3	6.6	6.1	108.2	106.4	67.3	66.9	100.6	98.1	68.2	68.1	100.1	98.3	19.9	20.1	99.0	102.6	142	143	99.3	98.6
Q3	6.8	6.7	101.5	109.7	68.6	68.6	100.0	100.0	69.4	69.4	100.0	100.0	18.0	17.6	102.3	92.8	148	151	98.0	102.8
X3	5.8	5.8	100.0	93.5	68.8	69.0	99.7	100.3	69.4	69.6	99.7	100.0	19.5	20.7	94.2	100.5	138	138	100.0	95.8
Y3	6.5	6.2	104.8	104.8	68.2	68.1	100.1	99.4	69.2	69.2	100.0	99.7	20.5	19.3	106.2	105.7	143	146	97.9	99.3
Z3	5.8	5.8	100.0	93.5	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7					142	143	99.3	98.6
A4	5.9	5.6	105.4	95.2	68.3	67.8	100.7	99.6	69.7	69.4	100.4	100.4	19.4	19.8	98.0	100.0	156	160	97.5	108.3
D4	5.9	5.8	101.7	95.2	69.3	69.3	100.0	101.0	69.5	69.5	100.0	100.1	20.0	20.3	98.5	103.1	154	142	108.4	106.9
F4	6.5	6.6	98.5	104.8	69.2	69.6	99.4	100.9	69.4	69.8	99.4	100.0	19.3	19.1	101.0	99.5	146	148	98.6	101.4
G4	6.5	6.2	104.8	104.8	69.6	69.0	100.9	101.4	69.8	69.2	100.9	100.6	19.8	19.9	99.5	102.1	142	139	102.2	98.6
H4	6.5	6.6	98.5	104.8	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7	19.4	19.0	102.1	100.0	157	160	98.1	109.0
T4	5.6	5.3	105.7	90.3	69.8	69.6	100.3	101.7	70.0	69.8	100.3	100.9	19.7	19.9	99.8	101.5	139	138	100.7	96.5
FKBG DATA																				
CUR.																				
AV. 6.3																				
CUM.																				
AV. 6.2																				
IND.																				
*D 101.6																				
100.0																				
100.0																				
100.0																				

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

TABLE XVIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

MAR-APR. 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.5	6.5	100.0	104.8	69.0	69.1	99.8	100.6	69.3	69.4	99.8	99.8	19.2	18.9	101.6	99.0	141	142	99.3	97.9
K1	6.1	5.8	105.2	98.4	68.6	68.2	100.6	100.0	69.8	69.7	100.1	100.6	19.2	19.3	99.5	99.0	147	152	96.7	102.1
O1	6.5	6.5	100.0	104.8	67.8	68.0	99.7	98.8	68.7	68.9	99.7	99.0	18.5	21.0	88.1	95.4	149	150	99.3	103.5
M1	5.8	5.9	98.3	93.5	67.7	67.8	99.8	98.7	68.3	68.4	99.8	98.4	20.5	20.2	101.5	105.7	147	149	98.6	102.1
S1	6.4	6.5	98.5	103.2	68.9	68.4	100.7	100.4	69.9	69.4	100.7	100.7	19.6	19.9	98.5	101.0	135	135	100.0	93.8
T1	6.4	6.2	103.2	103.2	68.1	68.7	99.1	99.3	69.1	69.9	98.8	99.6	19.2	19.7	97.5	99.0	138	139	99.3	95.8
Y1	6.6	6.9	95.6	106.4	68.9	68.8	100.1	100.4	69.8	69.5	100.4	100.6	19.4	18.9	102.6	100.0	137	137	100.0	95.1
C2		6.0				68.9				69.5				19.4				140		
G2	5.8	5.9	98.3	93.5	69.3	69.4	99.8	101.0	69.5	69.6	99.8	100.1	19.8	20.2	98.0	102.1	158	148	106.8	109.7
K2	6.8	7.0	97.1	109.7	68.4	68.4	100.0	99.7	69.2	69.0	100.3	99.7	18.7	19.2	97.4	96.4	141	144	97.9	97.9
L2	7.0	7.1	98.6	112.9	68.6	68.8	99.7	100.0	69.2	69.4	99.7	99.7	19.1	19.5	97.9	98.4	140	141	99.3	97.2
O2	6.3	6.9	91.3	101.6	68.6	68.9	99.6	100.0	69.7	69.6	100.1	100.4	20.0	19.4	103.1	103.1	135	136	99.3	93.8
R2	5.6	5.8	96.6	90.3	67.7	68.2	99.3	98.7	69.3	69.8	99.3	99.8	19.0	18.9	100.5	97.9	139	142	97.9	96.5
V2	5.4	5.6	96.4	87.1	67.9	67.8	100.1	99.0	69.7	69.4	100.4	100.4	18.5	18.4	100.5	95.4	135	138	97.8	93.8
W2	6.1	5.9	103.4	98.4	68.6	68.3	100.4	100.0	69.8	69.7	100.1	100.6	20.3	20.6	98.5	104.6	145	138	105.1	100.7
X2	6.9	6.9	100.0	111.3	69.0	69.0	100.0	100.6	69.3	69.2	100.1	99.8	19.6	19.2	102.1	101.0	138	136	101.5	95.8
B3	6.9	7.0	98.6	111.3	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	19.7	19.3	102.1	101.5	136	137	99.3	94.4
J3	6.8	6.6	103.0	109.7	69.4	69.0	100.6	101.2	69.6	69.2	100.6	100.3	17.9	18.5	96.8	92.3	142	146	97.3	98.6
L3	5.7	5.6	101.8	91.9	67.8	67.8	100.0	98.8	69.4	69.4	100.0	100.0	17.6	17.6	100.0	90.7	148	145	102.1	102.8
P3	6.3	6.2	101.6	101.6	67.3	67.0	100.4	98.1	68.4	68.1	100.4	98.6	19.7	20.0	98.5	101.5	140	143	97.9	97.2
Q3	6.8	6.8	100.0	109.7	68.4	68.6	99.7	99.7	69.2	69.4	99.7	99.7	17.5	17.7	98.9	90.2	149	150	99.3	103.5
X3	6.2	5.9	105.1	100.0	68.9	68.8	100.1	100.4	69.5	69.4	100.1	100.1	19.1	19.8	96.5	98.4	139	138	100.7	96.5
Y3	6.6	6.3	104.8	106.4	68.4	68.1	100.4	99.7	69.3	69.2	100.1	99.8	19.3	19.5	99.0	99.5	143	145	98.6	99.3
Z3	5.9	5.8	101.7	95.2	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7					140	143	97.9	97.2
A4	5.6	5.6	100.0	90.3	68.3	67.9	100.6	99.6	69.9	69.5	100.6	100.7	19.9	19.7	101.0	102.6	157	160	98.1	109.0
D4	5.9	5.8	101.7	95.2	69.2	69.3	99.8	100.9	69.4	69.5	99.8	100.0	19.9	20.3	98.0	102.6	141	145	97.2	97.9
F4	6.6	6.5	101.5	106.4	69.7	69.6	100.1	101.6	69.9	69.8	100.1	100.7	18.8	19.2	97.9	96.9	145	148	98.0	100.7
G4		6.4				69.2				69.4				19.8				142		
M4	6.6	6.6	100.0	106.4	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7	19.1	19.1	100.0	98.4	153	160	95.6	106.2
T4	5.8	5.3	109.4	93.5	69.5	69.6	99.8	101.3	69.7	69.8	99.8	100.4	19.6	19.8	99.0	101.0	139	138	100.7	96.5

FKBG DATA

CUR.																				
AV.	6.3				68.6				69.4				19.2				143			
CUM.																				
AV.	6.2				68.6				69.4				19.4				144			
IND.																				
*D	101.6				100.0				100.0				99.0				99.3			

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

TABLE XIX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

MAY-JUN, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.4	6.5	98.5	103.2	69.2	69.1	100.1	100.9	69.5	69.4	100.1	100.1	19.2	18.9	101.6	99.0	142	141	100.7	98.6
B1	6.4			103.2	68.8			100.3	69.8			100.6	17.7			91.2	178			123.6
K1	7.0	5.8	120.7	112.9	69.3	68.2	101.6	101.0	69.9	69.8	100.1	100.7	18.3	19.3	94.8	94.3	148	152	97.4	102.8
Q1	6.8	6.5	104.6	109.7	67.6	67.9	99.6	98.5	68.3	68.8	99.3	98.4	21.2	20.5	103.4	109.3	145	151	96.0	100.7
R1	5.8	5.8	100.0	93.5	67.5	67.8	99.6	98.4	68.1	68.4	99.6	98.1	20.3	20.2	100.5	104.6	144	147	98.0	100.0
S1	6.5	6.5	100.0	104.8	68.4	68.6	99.7	99.7	69.4	69.5	99.8	100.0	20.2	19.8	102.0	104.1	135	134	100.7	93.8
T1	6.2	6.2	100.0	100.0	68.2	68.4	99.7	99.4	69.4	69.6	99.7	100.3	19.4	19.6	99.0	100.0	136	139	97.8	94.4
Y1	6.8	6.8	100.0	109.7	69.1	68.8	100.4	100.7	69.9	69.6	100.4	100.7	19.7	19.0	103.7	101.5	136	136	100.0	94.4
C2		5.9				68.9				69.5				19.4				139		
F2	6.7			108.1	68.9			100.4	69.7			100.4	20.2			104.1	136			94.4
G2	5.9	5.8	101.7	95.2	69.4	69.4	100.0	101.2	69.6	69.6	100.0	100.3	20.0	20.1	99.5	103.1	152	151	100.7	105.6
K2	6.7	6.8	98.5	108.1	68.5	68.4	100.1	99.8	69.3	69.1	100.3	99.8	19.7	19.0	103.7	101.5	139	145	95.9	96.5
L2	6.8	7.1	95.8	109.7	69.1	68.8	100.4	100.7	69.9	69.4	100.7	100.7	19.2	19.4	99.0	99.0	143	141	101.4	99.3
O2	6.4	6.8	94.1	103.2	68.5	68.8	99.6	99.8	69.5	69.6	99.8	100.1	19.6	19.6	100.0	101.0	139	136	102.2	96.5
N2	5.8	5.7	101.8	93.5	67.7	68.2	99.3	98.7	69.2	69.7	99.3	99.7	19.0	18.9	100.5	97.9	143	142	100.7	99.3
V2	5.4	5.5	98.2	87.1	67.8	67.8	100.0	98.8	69.6	69.4	100.3	100.3	19.1	18.4	103.8	98.4	136	137	99.3	94.4
M2		6.0				68.4				69.7				20.6				140		
X2	6.9	6.9	100.0	111.3	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	19.8	19.2	103.1	102.1	141	137	102.9	97.9
B3		7.0				69.0				69.2				19.4				136		
J3	6.8	6.7	101.5	109.7	70.3	69.8	101.9	102.5	70.5	69.2	101.9	101.6	18.7	18.2	102.7	96.4	148	146	101.4	102.8
L3	5.6	5.6	100.0	90.3	67.8	67.8	100.0	98.8	69.4	69.4	100.0	100.0	17.4	17.6	98.9	89.7	147	146	100.7	102.1
P3	6.5	6.2	104.8	104.8	67.3	67.1	100.3	98.1	68.2	68.2	100.0	98.3	20.0	20.0	100.0	103.1	140	142	98.6	97.2
Q3	6.9	6.8	101.5	111.3	68.1	68.6	99.3	99.3	68.8	69.4	99.1	99.1	17.5	17.7	98.9	90.2	147	149	98.6	102.1
X3	5.9	6.0	98.3	95.2	68.8	68.8	100.0	100.3	69.0	69.4	99.4	99.4	18.6	19.6	94.9	95.9	142	130	102.9	98.6
Y3	6.5	6.4	101.6	104.8	68.2	68.2	100.0	99.4	69.2	69.2	100.0	99.7	19.9	19.4	102.6	102.6	145	145	100.0	100.7
Z3	6.0	5.8	103.4	96.8	69.2	69.0	100.3	100.9	69.4	69.2	100.3	100.0					143	143	100.0	99.3
A4	5.9	5.7	103.5	95.2	68.1	68.0	100.1	99.3	69.5	69.5	100.0	100.1	18.7	19.7	94.9	96.4	154	159	96.8	106.9
D4	6.3	5.8	108.6	101.6	69.2	69.3	99.8	100.9	69.4	69.5	99.8	100.0	20.1	20.2	99.5	103.6	140	145	96.6	97.2
F4	6.6	6.6	100.0	106.4	69.2	69.6	99.4	100.9	69.4	69.8	99.4	100.0	18.4	19.1	96.3	94.8	142	147	96.6	98.6
G4		6.4				69.2				69.4				19.8				142		
H4	7.0	6.6	106.1	112.9	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.8	19.1	98.4	96.9	148	158	93.7	102.8
T4	5.8	5.3	109.4	93.5	69.2	69.7	99.3	100.9	69.4	69.9	99.3	100.0	19.0	19.7	96.4	97.9	140	138	101.4	97.2
FKBG DATA																				
CUR.																				
AV. 6.4																				
CUM.																				
AV. 6.2																				
IND.																				
*D 103.2																				
100.0																				
99.8																				
99.0																				
100.0																				

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

TABLE XX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 L8 FOURDRINIER KRAFT LINERBOARD
RING COMPRESSION, LBS.

	JAN-FEB, 1986				MAR-APR, 1986				MAY-JUN, 1986			
	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
A1	129.0	126.1	102.3	109.1	133.0	126.6	105.0	111.3	127.0	127.1	99.9	105.5
B1												
K1	147.1	130.1	113.1	124.4	142.8	136.6	104.5	119.5	146.1	140.1	104.3	121.3
G1												
R1	109.0	120.4	90.5	92.2	108.0	119.0	90.8	90.4	104.0	116.8	89.0	86.4
S1	116.0	117.2	99.0	98.1	121.0	117.8	102.7	101.2	111.0	118.0	94.1	92.2
T1	131.5	128.8	102.1	111.2	131.5	127.6	103.0	110.0	132.0	128.1	103.0	109.6
Y1												
C2		122.2				121.2				120.3		
F2												
G2	117.0	115.5	101.3	99.0	115.0	115.4	99.6	96.2	117.5	115.8	101.5	97.6
K2	148.0	136.0	108.8	125.2	144.0	139.0	103.6	120.5	134.0	140.2	95.6	111.3
L2	115.0	117.4	98.0	97.3	122.0	117.0	104.3	102.1	129.0	117.2	110.1	107.1
O2												
R2	120.0	116.6	102.9	101.5	126.0	118.2	106.6	105.4	120.0	119.7	100.2	99.7
V2	116.0	106.4	109.0	98.1	116.0	108.8	106.6	97.1	110.0	110.8	99.3	91.4
W2	140.2	121.6	115.3	118.6	136.2	126.6	107.6	114.0		131.3		
X2	114.7	115.0	99.7	97.0	118.4	115.4	102.6	99.1	126.9	116.6	108.8	105.4
B3	129.0	125.7	102.6	109.1	118.0	127.7	92.4	98.7		125.7		
J3	110.1	112.4	98.0	93.1	111.9	113.0	99.0	93.6	112.5	112.4	100.1	93.4
L3	132.9	131.9	100.8	112.4	138.0	133.8	103.1	115.5	137.8	135.5	101.7	114.4
P3	112.0	120.0	93.3	94.8	120.0	118.4	101.4	100.4	113.0	117.0	96.6	93.8
Q3	98.9	104.1	95.0	83.7	119.7	103.6	115.5	100.2	116.7	106.1	110.0	96.9
X3	111.0	111.0	100.0	93.9	111.0	111.3	99.7	92.9	113.0	111.2	101.6	93.8
Y3	116.0	110.0	105.4	98.1	116.0	110.8	104.7	97.1	115.5	112.0	103.1	95.9
Z3	131.5	118.3	111.2	111.2	126.0	119.5	105.4	105.4	126.0	120.9	104.2	104.6
A4	99.0	108.9	90.9	83.8	100.0	108.1	92.5	83.7	96.0	107.2	89.6	79.7
D4	126.0	115.8	108.8	106.6	113.0	118.7	95.2	94.6	109.0	118.2	92.2	90.5
F4												
G4												
M4		126.7				127.8				131.5		
T4	131.0	124.1	105.6	110.8	130.0	125.9	103.2	108.8		128.1		
FKBG DATA												
CUR.												
AV.	121.8				122.5				119.8			
CUM.												
AV.	118.2				119.5				120.4			
IND.												
*D	103.0				102.5				99.5			

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

TABLE XXI
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD
JAN-FEB, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. °B	IND. °C	CUR. AV.	CUM. AV.	FACT. °B	IND. °C	CUR. AV.	CUM. AV.	FACT. °B	IND. °C	CUR. AV.	CUM. AV.	FACT. °B	IND. °C	CUR. AV.	CUM. AV.	FACT. °B	IND. °C
A1		7.0				90.2				90.6				26.0				188		
R1	8.0	8.3	96.4	123.1	88.8	89.1	99.7	99.1	89.6	89.9	99.7	98.9	26.6	26.6	100.0	105.1	178	177	100.6	104.1
S1	6.3	6.2	101.6	96.9	89.7	88.9	100.9	100.1	91.1	90.5	100.7	100.6	26.1	26.1	100.0	103.2	166	164	101.2	97.1
T1	6.8	6.3	107.9	104.6	89.9	90.1	99.8	100.3	90.9	91.6	99.2	100.3	26.4	26.6	99.2	104.3	154	155	99.4	90.0
Y1	7.4	7.1	104.2	113.8	89.7	89.7	100.0	100.1	90.1	90.3	99.8	99.4	26.8	25.3	105.9	105.9	156	160	97.5	91.2
R2	6.0	6.0	100.0	92.3	89.2	89.4	99.8	99.6	91.0	91.2	99.8	100.4	25.0	25.1	99.6	98.8	158	166	95.2	92.4
X2	6.9	6.9	100.0	106.2	89.9	89.8	100.1	100.3	90.2	90.1	100.1	99.6	25.0	25.5	98.0	98.8	164	159	103.1	95.9
L3	5.9	5.7	103.5	90.8	88.8	88.8	100.0	99.1	90.7	90.8	99.9	100.1	23.9	23.1	103.5	94.5	167	169	98.8	97.7
Q3	7.0	6.8	102.9	107.7	89.7	89.5	100.2	100.1	90.5	90.5	100.0	99.9	23.6	23.4	100.8	93.3	179	187	95.7	104.7
Y3	6.8	6.5	104.6	104.6	89.1	89.0	100.1	99.4	90.1	90.3	99.8	99.4	24.9	25.4	98.0	98.4	175	176	99.4	102.3
A4	5.5	5.8	94.8	84.6	89.9	88.6	101.5	100.3	92.1	90.6	101.6	101.6	26.2	26.2	100.0	103.6	177	175	101.1	103.5
D4		5.8				90.4				90.7				26.2				164		
F4		6.6				90.7				91.0				24.8				182		
M4	6.7	6.6	101.5	103.1	90.1	90.0	100.1	100.6	90.4	90.4	100.0	99.8	25.1	24.6	102.0	99.2	180	187	96.2	105.3
FKBG DATA																				
CUR.																				
AV. 6.7																				
CUM.																				
AV. 6.5																				
IND.																				
°D 103.1																				
99.9																				
100.0																				
100.4																				
98.2																				

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

TABLE XXII

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

MAR-APR, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		7.0				90.2				90.6				26.0				188		
R1	8.3	8.3	100.0	127.7	89.3	88.9	100.4	99.8	90.1	89.7	100.4	99.4	27.6	26.4	104.5	109.1	183	178	102.8	107.0
S1	6.1	6.2	98.4	93.8	89.8	89.0	100.9	100.3	91.4	90.6	100.9	100.9	26.0	26.0	100.0	102.8	166	165	100.6	97.1
T1	6.7	6.4	104.7	103.1	89.8	89.9	99.9	100.3	90.9	91.3	99.6	100.3	26.4	26.6	99.2	104.3	157	155	101.3	91.8
Y1	6.2	7.1	87.3	95.4	89.0	89.7	99.2	99.4	90.5	90.3	100.2	99.9	25.1	25.7	97.7	99.2	155	159	97.5	90.6
R2	6.0	5.9	101.7	92.3	88.6	89.4	99.1	99.0	90.4	91.2	99.1	99.8	24.6	25.1	98.0	97.2	159	164	97.0	93.0
X2	6.8	6.9	98.6	104.6	89.9	89.8	100.1	100.4	90.2	90.1	100.1	99.6	25.0	25.5	98.0	98.8	163	160	101.9	95.3
L3	5.8	5.7	101.8	89.2	88.6	88.8	99.8	99.0	90.5	90.7	99.8	99.9	22.6	23.1	97.8	89.3	168	169	99.4	98.2
Q3	6.9	6.8	101.5	106.2	89.3	89.6	99.7	99.8	90.2	90.5	99.7	99.6	23.0	23.4	98.3	90.9	176	185	95.1	102.9
Y3	6.9	6.6	104.5	106.2	89.3	89.0	100.3	99.8	90.2	90.2	100.0	99.6	24.8	25.3	98.0	98.0	177	176	100.6	103.5
A4	5.6	5.7	98.2	86.2	88.8	88.8	100.0	99.2	90.9	90.8	100.1	100.3	24.9	26.1	95.4	98.4	174	174	100.0	101.8
D4		5.8				90.4				90.6				26.3				164		
F4	6.4	6.7	95.5	98.5	91.4	90.5	101.0	102.1	91.7	90.8	101.0	101.2	24.8	24.7	100.4	98.0	181	181	100.0	105.8
M4		6.6				90.0				90.4				24.6				187		
FKBG DATA																				
CUR.																				
AV. 6.5																				
CUM.																				
AV. 6.5																				
IND.																				
*D 100.0																				

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

TABLE XXIII

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

MAY-JUN, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		6.8				90.0				90.4				25.9				180		
R1	8.5	8.3	102.4	128.8	88.0	89.0	98.9	98.3	88.8	89.8	98.9	98.0	26.2	26.6	98.5	103.6	172	179	96.1	101.2
S1	6.6	6.2	106.4	100.0	89.1	89.3	99.8	99.6	90.3	90.9	99.3	99.7	26.5	26.1	101.5	104.7	169	164	103.0	99.4
T1	6.6	6.5	101.5	100.0	89.5	89.7	99.8	100.0	90.7	91.0	99.7	100.1	26.2	26.6	98.5	103.6	155	154	100.6	91.2
Y1	7.5	6.9	108.7	113.6	90.1	89.5	100.7	100.7	90.4	90.4	100.0	99.8	26.0	25.9	100.4	102.8	156	159	98.1	91.8
R2	6.3	5.9	106.8	95.4	88.9	89.2	99.7	99.3	90.3	91.1	99.1	99.7	24.1	25.1	96.0	95.2	165	162	101.8	97.0
K2	6.8	6.8	100.0	103.0	89.9	89.8	100.1	100.4	90.2	90.1	100.1	99.6	26.8	25.4	105.5	105.9	169	160	105.6	99.4
L3	5.7	5.7	100.0	86.4	88.6	88.7	99.9	99.0	90.7	90.7	100.0	100.1	23.5	23.1	101.7	92.9	175	170	102.9	102.9
Q3	6.9	6.8	101.5	104.5	89.1	89.6	99.4	99.6	90.0	90.5	99.4	99.3	23.2	23.4	99.1	91.7	182	184	98.9	107.0
Y3	6.7	6.6	101.5	101.5	89.2	89.1	100.1	99.7	90.3	90.2	100.1	99.7	25.0	25.2	99.2	98.8	180	176	102.3	105.9
A4	6.3	5.7	110.5	95.4	89.4	88.8	100.7	99.9	90.8	90.9	99.9	100.2	24.7	25.7	96.1	97.6	201	174	115.5	118.2
D4	5.9	5.8	101.7	89.4	90.2	90.4	99.8	100.8	90.5	90.7	99.8	99.9	26.1	26.5	98.5	103.2	168	165	101.8	98.8
F4	6.7	6.7	100.0	101.5	89.9	90.9	98.9	100.4	90.2	91.2	98.9	99.6	23.7	24.7	96.0	93.7	184	181	101.6	108.2
M4		6.5				90.0				90.3				24.8				185		
FK86 DATA																				
CUR.																				
AV. 6.7																				
CUM.																				
AV. 6.6																				
IND.																				
*D 101.5																				

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

TABLE XXIV
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD
RING COMPRESSION, LBS.

	JAN-FEB, 1986				MAR-APR, 1986				MAY-JUN, 1986			
	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
A1		180.0				180.0				180.0		
R1	140.0	142.8	98.0	91.0	132.0	143.6	91.9	85.3	130.0	141.7	91.7	83.9
S1	155.0	157.9	98.2	100.8	148.0	158.5	93.4	95.7	148.0	155.8	95.0	95.5
T1	174.0	160.4	108.5	113.1	180.0	163.2	110.3	116.4	169.5	167.0	101.5	109.4
Y1												
R2	156.0	153.1	101.9	101.4	157.0	153.7	102.1	101.5	140.0	153.0	91.5	90.3
X2	150.5	149.9	100.4	97.8	152.6	150.3	101.5	98.6	159.0	151.5	105.0	102.6
L3	172.8	176.0	98.2	112.4	177.0	177.0	100.0	114.4	181.4	178.3	101.7	117.0
O3	139.3	147.4	94.5	90.6	165.8	147.2	112.6	107.2	162.7	151.3	107.5	105.0
Y3	151.0	143.2	105.4	98.2	151.0	143.6	105.2	97.6	148.0	143.2	101.9	95.5
A4	140.0	141.9	98.7	91.0	129.0	143.0	90.2	83.4	127.0	138.6	91.6	81.9
D4		148.4				153.4			147.0	153.0	96.1	94.8
F4												
M4		158.7				161.2				174.0		
FKBG DATA												
CUR.												
AV.	153.2				154.7				151.3			
CUM.												
AV.	153.8				154.7				155.0			
IND.												
*D	99.6				100.0				97.6			

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

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

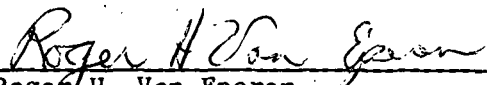
TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

JAN-FEB, MAR-APR, MAY-JUN, 1986

Code	Conditioning Environment			Testing Environment	
	Are Quality Samples Conditioned Before Testing?	Time	Procedure Temp., °F	Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?	
A1	Yes	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
B1	Yes	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
E1	No	--	--	Yes: 70 ± 2°F; 50 ± 2% RH	
K1	No	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH	
O1	Yes	15 min	--	Yes: 73 ± 2°F; 50 ± 1% RH	
R1	No	--	--	Yes: 70 ± 2°F; 50 ± 2% RH	
S1	Yes	10 min	--	Yes: 72 ± 2°F; 50 ± 2% RH	
T1	No	--	--	No	
Y1	No	--	--	Yes: 72 ± 5°F; 50 ± 5% RH	
C2	No data was submitted for this period				
E2	No	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH	
F2	No	--	--	Yes: 72 ± 5°F; 50 ± 5% RH	
G2	No	--	--	No	
K2	No	--	--	Yes: 73°F; 50% RH	
L2	No	--	--	Yes: 72 ± 3°F; 50 ± 2% RH	
O2	Yes	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
P2	Yes	10 min	--	Yes: 72 ± 2°F; 50 ± 2% RH	
R2	Yes	10 min	70	Yes: 70 ± 4°F; 50 ± 5% RH	
S2	No	--	--	Yes: 73 ± 3°F; 50 ± 3% RH	
V2	No	--	--	No	
W2	No	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH	
X2	Yes	7 min	--	Yes: 73 ± 2°F; 50 ± 2% RH	
A3	No	--	--	No	
B3	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
F3	No	--	--	Yes: 72 ± 2°F; 50 ± 2% RH	
H3	Yes	10 min	70	Yes: 70 ± 4°F; 50 ± 5% RH	
I3	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
J3	No	--	--	No	
K3	No	--	--	Yes: 72 ± 3°F; 50 ± 2% RH	
L3	No	--	--	Yes: 73 ± 3°F; 50 ± 3% RH	
O3	Yes	10 min	70	Yes: 70 ± 4°F; 50 ± 5% RH	
P3	No	--	--	Yes: 75 ± 3.5°F; 50 ± 2% RH	
Q3	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
R3	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
T3	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
V3	No	--	--	Yes: 73 ± 3°F; 50 ± 1% RH	
W3	No	--	--	Yes: 73 ± 3°F; 50 ± 1% RH	
X3	No	--	--	No	
Y3	No	--	--	Yes: 72 ± 2°F; 50 ± 1% RH	
Z3	No	--	--	No	
A4	No	--	--	Yes: 73°F; 50% RH	
B4	Yes	--	--	Yes: 73 ± 3°F; 50 ± 2% RH	
C4	No	--	--	Yes: 72 ± 3°F; 50 ± 2% RH	
D4	No	--	--	Yes: 72 ± 3°F; 50 ± 2% RH	
E4	No	--	--	Yes: 73°F; 50% RH	
F4	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
G4	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
H4	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
J4	No	--	--	No	
M4	No	--	--	Yes: 73°F; 50% RH	
N4	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
R4	Yes	--	--	Yes: 73 ± 2°F; 50 ± 2% RH	
T4	No	--	--	Yes: 72 ± 2°F; 50 ± 2% RH	

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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 F.K.B.G. 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

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 6 periods excluding CMA for current period}}{6}$$

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

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 6 periods excluding CFKBGA for current period}}{6}$$

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

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current period for all machines}}{\text{Number of machines}}$$

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

^bCFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given period.

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