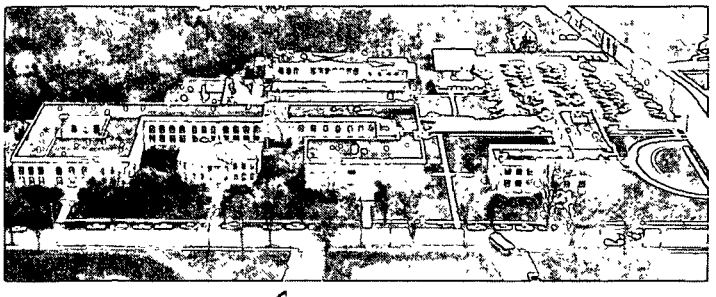

THE INSTITUTE OF PAPER CHEMISTRY, APPLETON, WISCONSIN

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL CORRUGATING MEDIUM DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1980)

Project 2694-2

Report Forty-Two

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

March 2, 1981

NONPARTICIPANT IN THIS REPORT

THE INSTITUTE OF PAPER CHEMISTRY

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TABLE OF CONTENTS

SUMMARY OF 26-LB CORRUGATING MEDIUM DATA
(SEPTEMBER-DECEMBER, 1980)

Test		September		October		November		December	
		Total	Recycled	Total	Recycled	Total	Recycled	Total	Recycled
Moisture content, %	Max.[a]	9.4	8.0	9.0	8.0	9.5	8.0	9.2	8.2
	Min.[a]	3.3	3.3	2.7	2.7	2.9	2.9	2.9	2.9
	Av.[b]	6.5(36)	5.6(11)	6.4(36)	5.6(11)	6.4(35)	5.5(11)	6.4(37)	5.5(11)
Adj. basis weight, lb/M ft^2	Max.[a]	27.6	27.6	27.8	27.8	27.7	27.7	27.6	27.6
	Min.[a]	25.1	26.0	25.4	26.0	25.7	26.0	25.6	26.1
	Av.[b]	26.4(36)	26.6(11)	26.4(36)	26.7(11)	26.4(35)	26.7(11)	26.4(37)	26.7(11)
Caliper, pt.	Max.[a]	11.4	10.1	11.4	10.4	11.3	10.3	11.2	10.3
	Min.[a]	8.3	8.3	7.8	7.8	7.9	7.9	7.9	7.9
	Av.[b]	9.7(35)	9.3(10)	9.8(34)	9.2(10)	9.7(34)	9.2(10)	9.7(36)	9.2(10)
Concora, lb	Max.[a]	70.6	70.6	70.6	70.6	70.5	70.5	69.6	69.6
	Min.[a]	55.0	58.2	56.0	58.0	57.8	57.8	54.2	57.4
	Av.[b]	61.8(36)	61.7(11)	61.9(36)	61.7(11)	61.7(35)	61.6(11)	61.5(37)	62.1(11)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL CORRUGATING MEDIUM DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1980)

THE INSTITUTE OF PAPER CHEMISTRY
Appleton, Wisconsin

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on 26-lb corrugating medium manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, and Concora made on the production of individual machines which produced at least 500 tons of this grade weight during a given month.

PRESENTATION OF DATA

For the 26-lb grade weight of corrugating medium referred to earlier, data on conditioning and testing environments, mill test averages for moisture content, adjusted basis weight, caliper, and Concora results are compiled in the following tables.

Table Number	Description
I-II-III	Mill Test Averages on 26-Lb Corrugating Medium
IV	Data on Conditioning and Testing Environments

The procedure used in calculating 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 month varies for these reasons: a machine must have (a) produced at least 500 tons of 26-lb corrugating medium during the specified month, or (b) produced 500 tons of 26-lb corrugating medium 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 I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM

OCTOBER, 1980

	MOISTURE CONTENT, PERCENT				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				CONCORA TEST, LB.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE *E	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	6.7	6.5	103.1	104.7	26.1	26.2	99.6	98.9	10.9	11.4	95.6	111.2	67.5	66.4	101.6	109.8
B1(R)	6.8	6.6	103.0	106.2	26.2	26.3	99.6	99.2	9.9	9.7	102.1	101.0	70.6	70.4	100.3	114.8
C1	7.0	6.8	102.9	109.4	25.9	26.0	99.6	98.1	9.2	9.4	97.9	93.9	58.0	59.3	97.8	94.3
D1	6.4	6.6	97.0	100.0	26.5	26.5	100.0	100.4		11.0			59.9	60.3	99.3	97.4
E1	6.4	7.0	91.4	100.0	26.0	25.7	101.2	98.5	10.4	10.0	104.0	106.1	65.0	63.6	102.2	105.7
F1(R)	6.0	6.0	100.0	93.8	26.3	26.3	100.0	99.6	9.0	9.0	100.0	91.8	58.3	59.7	97.6	94.8
G1	8.7	7.8	111.5	135.9	25.4	25.8	98.4	96.2	10.3	9.7	106.2	105.1	63.8	64.0	99.7	103.7
H1	5.6	7.0	80.0	87.5	26.6	26.4	100.8	100.8	9.4	9.4	100.0	95.9	62.0	61.6	100.6	100.8
I1	6.9	6.8	101.5	107.8	26.3	26.4	99.6	99.6	9.7	9.8	99.0	99.0	59.6	59.8	99.7	96.9
J1	5.5	5.9	93.2	85.9	26.5	26.5	100.0	100.4	9.2	9.1	101.1	93.9	67.5	65.3	103.4	109.8
K1	7.0	7.0	100.0	109.4	26.2	26.2	100.0	99.2	10.9	10.7	101.9	111.2	58.0	58.7	98.8	94.3
L1	6.9	6.8	101.5	107.8	26.2	26.2	100.0	99.2	11.0	10.8	101.8	112.2	59.0	60.6	97.4	95.9
M1	9.0	9.3	96.8	140.6	25.7	25.5	100.8	97.3	9.8	9.7	101.0	100.0	64.0	63.9	100.2	104.1
N1(R)	5.9	6.0	98.3	92.2	26.4	26.4	100.0	100.0	10.0	10.0	100.0	102.0	62.7	63.3	99.0	102.0
O1	6.9	7.0	98.6	107.8	26.0	26.6	97.7	98.5	9.9	10.6	93.4	101.0	63.2	62.9	100.5	102.8
P1	7.0	7.0	100.0	109.4	26.2	26.3	99.6	99.2	9.2	9.4	97.9	93.9	61.2	61.6	99.4	99.5
Q1(R)	8.0	7.9	101.3	125.0	26.0	26.1	99.6	98.5	8.3	8.4	98.8	84.7	63.0	63.2	99.7	102.4
R1	7.0	7.0	100.0	109.4	26.2	26.3	99.6	99.2	10.1	9.9	102.0	103.1	62.2	62.1	100.2	101.1
S1	7.5	7.5	100.0	117.2	26.1	26.3	99.2	98.9	8.9	8.9	100.0	90.8	67.0	68.2	98.2	108.9
T1(R)	6.6	6.4	103.1	103.1	26.4	26.5	99.6	100.0	9.2	9.1	101.1	93.9	63.0	62.2	101.3	102.4
U1		7.3				26.1				9.4				63.3		
V1	6.7	6.6	101.5	104.7	26.0	26.2	99.2	98.5	9.4	9.6	97.9	95.9	63.0	57.8	109.0	102.4
W1	7.3	6.6	110.6	114.1	26.0	26.2	99.2	98.5	10.8	10.4	103.8	110.2	59.0	57.3	103.0	95.9
X1	5.5	5.9	93.2	85.9	26.4	26.4	100.0	100.0	10.2	10.2	100.0	104.1	62.0	60.8	102.0	100.8
Y1	5.3	5.7	93.0	82.8	27.5	27.3	100.7	104.2	10.1	9.6	105.2	103.1	59.2	58.0	102.1	96.3
Z1(R)	6.8	6.8	100.0	106.2	26.3	26.3	100.0	99.6					61.0	63.3	96.4	99.2
A2(R)	6.5	6.6	98.5	101.6	26.8	26.7	100.4	101.5	9.0	9.0	100.0	91.8	64.0	64.8	98.8	104.1
B2(R)	4.1	4.0	102.5	64.1	27.0	27.0	100.0	102.3	7.8	8.1	96.3	79.6	60.4	61.2	98.7	98.2
C2	6.9	7.4	93.2	107.8	26.1	26.1	100.0	98.9	9.2	8.8	104.5	93.9	67.0	67.6	99.1	108.9
D2	6.7	7.0	95.7	104.7	26.3	26.3	100.0	99.6	10.1	9.8	103.1	103.1	58.0	57.5	100.9	94.3
E2(R)	3.8	3.3	115.2	59.4	27.2	27.2	100.0	103.0	9.9	10.0	99.0	101.0	59.4	59.7	99.5	96.6
F2	7.3	7.1	102.8	114.1	26.5	26.3	100.8	100.4	10.3	10.4	99.0	105.1	60.7	60.9	99.7	98.7
G2(R)	4.0	4.0	100.0	62.5	27.8	27.5	101.1	105.3	9.0	9.0	100.0	91.8	58.0	58.9	98.5	94.3
H2	7.0	6.8	102.9	109.4	26.4	26.4	100.0	100.0	9.3	9.7	95.9	94.9	56.0	57.6	97.2	91.0
I2(R)	2.7	3.0	90.0	42.2	27.4	27.6	99.3	103.8	10.4	10.2	102.0	106.1	58.0	59.3	97.8	94.3
J2	6.4	6.4	100.0	100.0	26.5	26.5	100.0	100.4	11.4	11.0	103.6	116.3	63.6	61.3	103.8	103.4
K2		5.5				26.8				10.9				61.4		
L2	7.1	7.3	97.3	110.9	26.1	26.4	98.9	98.9	9.5	9.6	99.0	96.9	62.4	61.1	102.1	101.5

FKBG DATA	TOTAL	RECYCLED	TOTAL	RECYCLED	TOTAL	RECYCLED	TOTAL	RECYCLED
CUR. AV	6.4	5.6	26.4	26.7	9.8	9.2	61.9	61.7
CUM. AV	6.4	5.4	26.4	26.7	9.8	9.3	61.5	62.1
IND. *D	100.0	103.7	100.0	100.0	100.0	98.9	100.6	99.4

(*)-- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM

NOVEMBER, 1980

	MOISTURE CONTENT, PERCENT				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				CONCORA TEST, LB.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE *E	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	6.6	103.0	106.2	26.2	26.2	100.0	99.2	10.7	11.4	93.8	109.2	66.9	66.6	100.4	108.6
B1(R)	6.8	6.5	104.6	106.2	26.3	26.3	100.0	99.6	9.9	9.7	102.1	101.0	70.5	70.4	100.1	114.4
C1	7.0	6.8	102.9	109.4	26.0	26.0	100.0	98.5	9.4	9.4	100.0	95.9	59.0	59.2	99.7	95.8
D1	6.7	6.6	101.5	104.7	26.2	26.4	99.2	99.2	11.3	11.0	102.7	115.3	60.1	59.6	100.8	97.6
E1	6.2	7.0	88.6	96.9	25.7	25.8	99.6	97.3	10.2	10.0	102.0	104.1	64.0	63.8	100.3	103.9
F1(R)	6.0	6.0	100.0	93.8	26.1	26.3	99.2	98.9	9.0	9.0	100.0	91.8	58.3	59.6	97.8	94.6
G1	8.2	7.9	103.8	128.1	25.7	25.7	100.0	97.3	10.0	9.8	102.0	102.0	63.6	63.9	99.5	103.2
H1	7.1	6.9	102.9	110.9	26.2	26.4	99.2	99.2	9.0	9.4	95.7	91.8	61.3	61.7	99.4	99.5
I1	7.0	6.8	102.9	109.4	26.2	26.4	99.2	99.2	9.0	9.8	91.8	91.8	59.0	59.9	98.5	95.8
J1	5.6	5.8	96.6	87.5	26.6	26.5	100.4	100.8	9.2	9.2	100.0	93.9	66.0	65.5	100.8	107.1
K1	7.0	7.0	100.0	109.4	26.2	26.2	100.0	99.2	10.9	10.7	101.9	111.2	58.0	58.6	99.0	94.2
L1	6.8	6.8	100.0	106.2	26.2	26.2	100.0	99.2	11.0	10.8	101.8	112.2	59.0	60.3	97.8	95.8
M1	9.5	9.3	102.2	148.4	26.5	25.5	103.9	100.4	9.4	9.7	96.9	95.9	64.0	64.1	99.8	103.9
N1(R)	5.9	6.0	98.3	92.2	26.3	26.4	99.6	99.6	10.0	10.0	100.0	102.0	62.8	63.2	99.4	101.9
O1	7.0	7.0	100.0	109.4	26.1	26.5	98.5	98.9	10.2	10.6	96.2	104.1	62.2	62.9	98.9	101.0
P1	7.0	7.0	100.0	109.4	26.3	26.3	100.0	99.6	9.3	9.4	98.9	94.9	61.9	61.7	100.3	100.5
Q1(R)	8.0	7.9	101.3	125.0	26.0	26.0	100.0	98.5	8.5	8.3	102.4	86.7	62.0	63.2	98.1	100.6
R1	7.1	7.0	101.4	110.9	26.2	26.3	99.6	99.2	10.0	9.9	101.0	102.0	61.7	62.2	99.2	100.2
S1	7.5	7.5	100.0	117.2	26.3	26.2	100.4	99.6	8.7	8.8	98.9	88.8	70.0	68.3	102.5	113.6
T1(R)	6.7	6.4	104.7	104.7	26.5	26.5	100.0	100.4	9.0	9.1	98.9	91.8	63.0	62.3	101.1	102.3
J1		7.4				26.2				9.3				63.0		
V1	6.4	6.6	97.0	100.0	25.9	26.2	98.8	98.1	9.6	9.6	100.0	98.0	59.0	58.6	100.7	95.8
W1	7.1	6.7	106.0	110.9	26.1	26.2	99.6	98.9	10.9	10.5	103.8	111.2	60.0	57.4	104.5	97.4
X1	5.5	5.9	93.2	85.9	26.6	26.4	100.8	100.8	10.1	10.2	99.0	103.1	61.0	60.8	100.3	99.0
Y1	5.4	5.7	94.7	84.4	27.1	27.3	99.3	102.6	10.1	9.6	105.2	103.1	59.2	58.1	101.9	96.1
Z1(R)	6.8	6.8	100.0	106.2	26.0	26.3	98.8	98.5					61.0	63.1	96.7	99.0
A2(R)	6.0	6.6	90.9	93.8	26.9	26.7	100.7	101.9	9.0	9.0	100.0	91.8	64.0	64.6	99.1	103.9
B2(R)	3.9	4.0	97.5	60.9	26.6	27.0	98.5	100.8	7.9	8.0	98.8	80.6	61.5	61.1	100.6	99.8
C2	6.8	7.3	93.2	106.2	26.1	26.1	100.0	98.9	9.3	8.9	104.5	94.9	69.0	67.5	102.2	112.0
D2	7.0	7.0	100.0	109.4	26.2	26.3	99.6	99.2	9.8	9.8	100.0	100.0	59.0	57.4	102.8	95.8
E2(R)	2.9	3.4	85.3	45.3	27.7	27.2	101.8	104.9	9.8	10.0	98.0	100.0	58.2	59.8	97.3	94.5
F2	6.9	7.1	97.2	107.8	26.4	26.3	100.4	100.0	10.2	10.4	98.1	104.1	60.6	60.8	99.7	98.4
G2(R)	4.0	4.0	100.0	62.5	27.2	27.5	98.9	103.0	9.0	9.0	100.0	91.8	58.0	58.8	98.6	94.2
H2	6.9	6.8	101.5	107.8	26.6	26.4	100.8	100.8	9.4	9.6	97.9	95.9	59.0	57.5	102.6	95.8
I2(R)	3.2	3.0	106.7	50.0	27.7	27.6	100.4	104.9	10.3	10.2	101.0	105.1	57.8	59.2	97.6	93.8
J2		6.4				26.4				11.1				61.6		
K2		5.5				26.8				10.9				61.7		
L2	7.1	7.3	97.3	110.9	26.2	26.2	100.0	99.2	9.9	9.5	104.2	101.0	60.0	61.4	97.7	97.4

FKBG DATA	TOTAL	RECYCLED	TOTAL	RECYCLED	TOTAL	RECYCLED	TOTAL	RECYCLED
CUR. AV	6.4	5.5	26.4	26.7	9.7	9.2	61.7	61.6
CUM. AV	6.4	5.4	26.4	26.7	9.8	9.3	61.6	62.2
IND. *D	100.0	101.8	100.0	100.0	99.0	98.9	100.2	99.0

(*)-- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM

DECEMBER, 1980

	MOISTURE CONTENT, PERCENT				ADJ. BASIS WT.,*A LB./ M SQ. FT.				CALIPER, PT.				CONCORA TEST, LB.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE *E	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	6.6	103.0	106.2	26.2	26.2	100.0	99.2	10.6	11.3	93.8	108.2	66.3	66.6	99.5	107.6
B1(R)	7.0	6.5	107.7	109.4	26.4	26.3	100.4	100.0	10.0	9.7	103.1	102.0	69.6	70.4	98.9	113.0
C1	7.1	6.9	102.9	110.9	26.0	26.0	100.0	98.5	9.3	9.4	98.9	94.9	59.0	59.0	100.0	95.8
D1	6.9	6.6	104.5	107.8	26.2	26.4	99.2	99.2	11.2	11.0	101.8	114.3	54.2	59.7	90.8	88.0
E1	6.2	6.9	89.8	96.9	25.7	25.8	99.6	97.3	10.3	10.0	103.0	105.1	65.0	63.8	101.9	105.5
F1(R)	6.0	6.0	100.0	93.8	26.5	26.3	100.8	100.4	9.0	9.0	100.0	91.8	59.7	59.5	100.3	96.9
G1	8.3	8.0	103.8	129.7	25.6	25.7	99.6	97.0	9.9	9.9	100.0	101.0	63.0	63.9	98.6	102.3
H1	7.0	7.0	100.0	109.4	26.2	26.3	99.6	99.2	9.1	9.4	96.8	92.8	61.9	61.7	100.3	100.5
I1	6.9	6.8	101.5	107.8	26.4	26.4	100.0	100.0	9.4	9.6	97.9	95.9	60.0	59.9	100.2	97.4
J1	5.8	5.8	100.0	90.6	26.4	26.6	99.2	100.0	8.9	9.2	96.7	90.8	64.2	65.6	97.9	104.2
K1	7.0	7.0	100.0	109.4	26.4	26.2	100.8	100.0	10.7	10.7	100.0	109.2	58.0	58.5	99.1	94.2
L1	6.3	6.8	92.6	98.4	26.4	26.2	100.8	100.0	11.0	10.9	100.9	112.2	60.0	60.2	99.7	97.4
M1	9.2	9.3	98.9	143.8	25.7	25.6	100.4	97.3	9.3	9.6	96.9	94.9	67.0	64.2	104.4	108.8
N1(R)	5.8	5.9	98.3	90.6	26.4	26.4	100.0	100.0	10.0	10.0	100.0	102.0	63.0	63.2	99.7	102.3
O1	6.9	7.0	98.6	107.8	26.2	26.5	98.9	99.2	9.7	10.6	91.5	99.0	62.2	63.0	98.7	101.0
P1	6.8	7.0	97.1	106.2	26.3	26.3	100.0	99.6	9.3	9.3	100.0	94.9	61.0	61.8	98.7	99.0
Q1(R)	8.2	7.9	103.8	128.1	26.1	26.0	100.4	98.9	8.4	8.4	100.0	85.7	62.0	63.0	98.4	100.6
R1	6.7	7.0	95.7	104.7	26.3	26.3	100.0	99.6	10.1	10.0	101.0	103.1	62.8	62.3	100.8	101.9
S1	7.5	7.5	100.0	117.2	26.2	26.2	100.0	99.2	8.6	8.8	97.7	87.8	66.0	68.8	95.9	107.1
T1(R)	6.6	6.4	103.1	103.1	26.5	26.5	100.0	100.4	8.9	9.1	97.8	90.8	61.0	62.5	97.6	99.0
U1		7.4				26.2				9.3				63.0		
V1	6.7	6.6	101.5	104.7	25.9	26.2	98.8	98.1	9.6	9.6	100.0	98.0	59.0	58.8	100.3	95.8
W1	7.0	6.7	104.5	109.4	26.2	26.1	100.4	99.2	10.8	10.6	101.9	110.2	59.0	57.6	102.4	95.8
X1	5.6	5.8	96.6	87.5	26.4	26.4	100.0	100.0	10.0	10.1	99.0	102.0	62.0	60.9	101.8	100.6
Y1	5.3	5.6	94.6	82.8	27.6	27.3	101.1	104.5	10.4	9.7	107.2	106.1	57.5	58.1	99.0	93.3
Z1(R)	7.0	6.8	102.9	109.4	26.1	26.3	99.2	98.9					64.0	62.9	101.7	103.9
A2(R)	6.5	6.5	100.0	101.6	26.7	26.7	100.0	101.1	9.0	9.0	100.0	91.8	64.0	64.3	99.5	103.9
B2(R)	3.9	4.0	97.5	60.9	27.0	27.0	100.0	102.3	7.9	8.0	98.8	80.6	61.6	61.1	100.8	100.0
C2	7.0	7.2	97.2	109.4	26.1	26.1	100.0	98.9	9.2	9.0	102.2	93.9	69.0	67.8	101.8	112.0
D2	6.7	7.0	95.7	104.7	26.3	26.2	100.4	99.6	9.8	9.8	100.0	100.0	59.0	57.5	102.6	95.8
E2(R)	3.0	3.3	90.9	46.9	27.4	27.3	100.4	103.8	10.0	9.9	101.0	102.0	57.9	59.7	97.0	94.0
F2	6.8	7.1	95.8	106.2	26.3	26.3	100.0	99.6	10.4	10.4	100.0	106.1	61.1	60.8	100.5	99.2
G2(R)	4.0	4.0	100.0	62.5	27.2	27.5	98.9	103.0	9.0	9.0	100.0	91.8	62.5	58.7	106.5	101.5
H2	7.1	6.8	104.4	110.9	26.7	26.4	101.1	101.1	9.4	9.5	98.9	95.9	57.0	57.8	98.6	92.5
I2(R)	2.9	3.0	96.7	45.3	27.6	27.6	100.0	104.5	10.3	10.2	101.0	105.1	57.4	59.1	97.1	93.2
J2	6.3	6.4	98.4	98.4	26.4	26.4	100.0	100.0	11.1	11.0	100.9	113.3	59.3	61.6	96.3	96.3
K2	5.4	5.5	98.2	84.4	26.7	26.8	99.6	101.1	10.4	10.8	96.3	106.1	62.0	61.9	100.2	100.6
L2	6.6	7.2	91.7	103.1	26.1	26.2	99.6	98.9	9.4	9.6	97.9	95.9	59.0	61.1	96.6	95.8

PKGG DATA	TOTAL	RECYCLED	TOTAL	RECYCLED	TOTAL	RECYCLED	TOTAL	RECYCLED
CUR. AV	6.4	6.5	26.4	26.7	9.7	9.2	61.5	62.1
CUM. AV	6.4	6.4	26.4	26.7	9.8	9.2	61.6	62.1
IND. *D	100.0	101.8	100.0	100.0	99.0	100.0	99.8	100.0

(*)-- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

TABLE IV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

OCTOBER, NOVEMBER, DECEMBER, 1980

	Conditioning Environment				Testing Environment
	Are Quality Samples	Procedure			Are Quality Samples Tested
Code	Conditioned Before Testing?	Time	Temp., °F	RH, %	Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
B1	No	--	--	--	Yes: 72 ± 1°F; 50 ± 1% RH
C1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
D1	No	--	--	--	No
E1	No	--	--	--	No
F1	Yes	15 Min	72	50	Yes: 72°F; 50% RH
G1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
H1	No	--	--	--	No
I1	Yes	20 Min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
J1	No	--	--	--	No
K1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
L1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
M1	No	--	--	--	No
N1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 3% RH
O1	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
P1	No	--	--	--	No
Q1	No	--	--	--	Yes: 70 ± 2°F; 50 ± 10% RH
R1	No	--	--	--	No
S1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
T1	No	--	--	--	No
U1	No data submitted for this quarter				
V1	No	--	--	--	No
W1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
X1	No	--	--	--	Yes: 73 ± 1°F; 50 ± 2% RH
Y1	Yes	20 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Z1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 5% RH
A2	No	--	--	--	No
B2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 5% RH
C2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D2	No	--	--	--	No
E2	No	--	--	--	No
F2	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
G2	Yes	15 Min	72	50	Yes: 72°F; 50% RH
H2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
I2	No	--	--	--	No
J2	No	--	--	--	No
K2	No	--	--	--	Yes: 73 ± 1°F; 50 ± 2% RH
L2	No	--	--	--	No

THE INSTITUTE OF PAPER CHEMISTRY

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APPENDIX

NOTES A, B, C, D, AND E, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, D, and E, 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 corrugating medium.

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

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

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

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

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

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

Note E: (R) - Indicates a medium manufactured from recylced fibers.

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[a]CMA = current machine average for a specific physical property of 26-lb corrugating medium obtained during a given month on a specific machine.

[b]CFKBGA = current F.K.B.G. average for a specific physical property of 26-lb corrugating medium obtained during a given month.