

June 5, 1972

Dr. Fred W. Billmeyer, Jr.
Rensselaer Polytechnic Institute
Department of Chemistry, MRC Bldg.
Troy, N.Y. 12181

Dear Fred:

Several things:

1. O.K. with Dr. Judd for the first week in August (1-4/5?). We can make more definite arrangements later.

See attached inventory of papers 2. Bob Marcus, with a young friend from Falls Church, picked up the color file on Thursday evening. We had a very pleasant visit - I got out quite a few old Munsell materials and texts, some of which he may want to spend some time going over when he comes down in August.

3. About the by-laws committee work, I find I have copies of Board meeting minutes for Jan. and Sept. 1969, and since then. However, as I think about it, I would like you to send me the full set since 1961, including '69-72, for committee use. These we can mark up, or even cut up, for such parts as should be referenced to different sections of the by-laws.

With best wishes.

Sincerely,

Dorothy Nickerson

6 brown files of ^{card} Munrell
papers and data

^{paper} 1. - N's, 25R - 54R

" 2 75YR - 10G4

" 3 2.5G - 5PB

" 4 75PB - 10RP

" 5 Munrell series
reported by NBS-1943-JOSA
(very special)

6

Missing
10YR 3/4
10B 8/2
10PB 5/6
10PB 6/4
" 6/6
P 5/2
10P 7/6

6. Munrell special series/paper
2" ap - strong (chromatic) JOSA-1943-p384
2 1/2 x 1/4 + 1/4" pigments " " 383
3 x 1/2 (+) browns " " 383
1 1/2 x 1/6

Missing

10YR 3/4

~~4/2~~

10B 8/2

~~10PB 5/6~~

10PB 5/6

10PB 6/4

~~6~~

P 8/2

10P 7/6

Munrell ^{Series} papers
reported by NBS
July, 1943, JOSA
(very special)

Manual papers in files drawer #6

Special Sets.

- Direct - 60 step value scale - $1/2 \times 1/16$ + larger pieces for margin steps. (JOSA, 1943, p 381)
(includes V, middle C) -
- 100 lines - $2 1/2 \times 1 3/4$ + $1 \times 1 1/2$ (a few only one sample) (JOSA, 1943, p 382)
(^{as basis} This series ~~was~~ used by Neufmanowitz for his F-M test)
(^{metric V/C, smoothed series} -)
- 50 lines 2×3 samples (a few larger + a few smaller) (JOSA, 1943, p 382)
($2 1/2 \times 1 1/4$ + $1 1/4$ squares)
- pink ~~series~~ series of 41 papers, 1R-9R (JOSA, 1943, p 382-3)
- browns ($3 \times 1 1/2$, + $1 1/2 \times 1/8$) " " 27 " , 7R-37 (JOSA, 1943, p 383)
- strong chromas (2 squares) series of pigment mixtures (JOSA, 1943, p 384)
- near-grays - several sets of near grays are recorded, only a few odd samples (included here)
- tomato colors - quite a few 2 sq samples (or more), with measurements, included (disk colorimetry)
for a number of the many papers made for tomato flesh
- soil colors - cards for only a few samples, best 2 sq samples,
of ~~10R, 5Y, 10Y~~ 3Rues, 10R, 5YR, 10YR, Values 2-9, chromas 1-3,
plus R4/9, Y8/8, N9/1 used in soil disk colorimetry
- gray colors - cards with data for ^{standards} ~~samples~~ used in disk colorimetry,
samples only for black, which was ^{remade} ~~refined~~ many times -
- cotton colors - cards with data for stds used for disk colorimetry,
samples for a few stds. used to calibrate cotton colorimeter,
a few data cards for a
and ~~samples~~ $1 1/2 \times 1 5/16$ of a ~~sample~~
57 small-step series ^{of papers made to} ~~dark to light~~, (covering the
dark to light)
lighter range of cotton colors.
- wilk & egg yolk colors data cards for ^{disk} standards used for milk
- set of unincubated samples in series made up
for egg yolk color chart.

~~cards~~ ~~with samples~~

Yeast & Fat

2 feet of beef ~~samples~~ measurements

Special Oad samples - 6R 5.1/12.5; 8R 4.8/14; 10R 3.5/6.5; 6Y 6.74/0.4

series of ~~4~~ assorted colors (on Upjohn's paper?)

~~Intermittent~~

~~Large scale~~

~~Special~~

Irregulars, grouped by lines
~~grouped by lines~~

Envelope of reeds:

5.7R	5.2/12.0	4057
6.2R	3.77/13.7	3325
8.5R	5/10	3577
9R	3.5/10	3993
9R	3.5/10	3992
8R	4.8/14	3120
6.5R	3.6/11.5	3990
6.5R	3.5/11.2	3989
6.3R	3.5/11	3988
6.2R	3.04/6.07	3494
5.2R	8.08/3.4	3744
5.18R	4.9/2.2	3469
5.7R	8.05/3.45	3876
5.0R	8.09/3.35	3875
0.3R	6.89/5.8	3865
0.2R	7.17/5.6	3867

YR's:

7.6Y	2.58/1.6	4100
5.56Y	6.12/8.00	3495
2.5Y	8.2/6.0	2644
1.5Y	7.7/2.5	2629
10Y	2.64/2.6	3286
8.1Y	3.21/2.04	3907
8.1Y	3.21/2.09	3906
7.2Y	7.70/2.8	3921
6.6Y	7.57/3.0	3979
6.5Y	5.1/3	3874
6.2Y	7.60/3.0	3980
6.0Y	7.54/3.0	3874
6.0Y	7.56/3.0	3040 Upjohn #4 grey
6.0Y	7.56/3.0	3041
2.2Y	7.96/4.1	3620
1.2Y	8.10/0.6	3692
1.2Y	8.31/2.3	3689
1.0Y	8.4/1.3	3671
1.0Y	7.38/1.5	3690

4y's G: 7.2 G9 6.92/10.3 3607
 7.8 G4 6.01/6.8 3611

4's: 4.8 G 5.13/7.96 3497
 2.3 G 7.19/7.85 3496
 2.0 G 4.31/8.3 4058
 2.0 G 4.23/8.5 4059

R's: 4.01 B9 2.56/2.28 3468

PB's: 4.2 PB 3.6/12.5 3644A
 4.2 PB 3.6/12.5 3644
 4.1 PB 2.30/2.9 356E
 3.9 PB 2.44/4.2 3579
 3.5 PB 5.25/3.9 3187
 2.8 PB 7.49/3.65 3953

B's: 5.5 B 4.70/3.1 3376
 5.0 B 7.5/6.0 3633
 4.1 B 3.4/5.2 3582
 2.9 B 7.91/3.0 3895

P's: 2.7 P 4.11/11.3 3498
 4.5 P 5.08/8.03 3499

RP's: 9.9 RP 7.20/5.8 3866
 8.7 RP 5.09/8.8 4032
 8.5 RP 5.10/9.1 4033
 4.6 RP 5.08/9.2 4034
 4.7 RP 5.08/9.2 4035
 4.1 RP 8.9/4.0 4098

Slanting lines: 2nd AP
 6 RP 5.5/10 (100) 80-20, 60-40, 40+60, 20-80
 5 RP 5/10 - (100) " " " "
 10 PB 3.5/12 (100) 83-17
 5 PB 2.5/12 (100) 67-33 50-50 ? 42-55 33-67 17-83
 10 B 3.5/8 (100) 75-25 50-50 25-75
 ? 5 B 33-67 67-33 50-50
 5 Y 5/2 (100) 53-17 67-33
 10 YR 7.5/10 (100) 80-20 60-40 40-60 20-80
 5 YR 7/8 (100) 75-25 50-50 25-75
 10 R 6.5/8 (100) 75-25 50-50 25-75
 5 R 6/10 (100) 80-20 60-40 40-60 20-80
 4 Herring pattern: - Primaries? (2-1 1/2" 88)