

Value balance

on 5, 7, 3

Hue Balance

Opposites - pairs
trios

Chroma balance

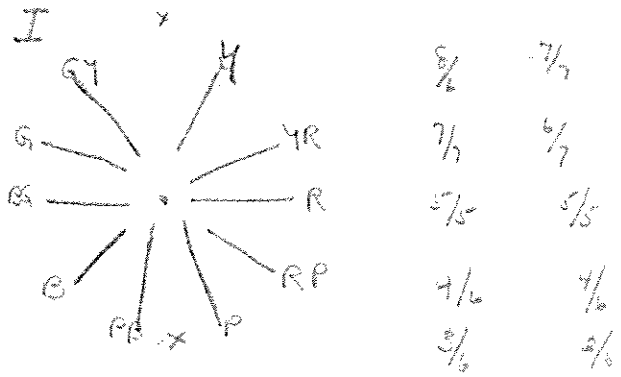
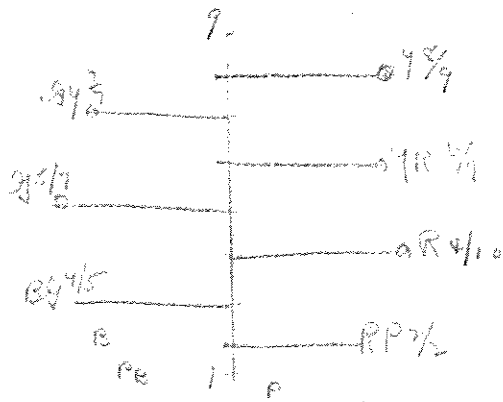
Light trios
Dark "

Compensation of
area - H V & C

Area Balance

Showed this scheme of color gymnastics to Miss Hathaway
and Mr. George - at the N. A. S. Feb 7, 1916

Feb 11 Willf ed at studio - 9:45 - 11:30



128-
128a.

One might assume anything and prove nothing. If equal differences of H & V is intended at each step - see I.

Aniline colors give stronger chromas and may be used to prolong scales of the Atlas, as a definite measured place awaits them - but they fade and are so unfit for standard.*

If both y-ur inner and outer circle are to contain each one degree only of chroma - then the other can be no larger than its weakest hue (30 5/5) - and the inner will be chroma /25

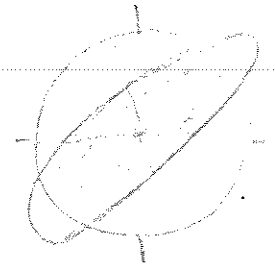
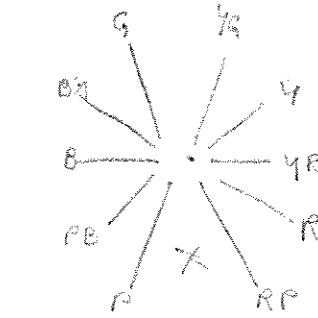
If the aim is only to produce a diagram of ideal relations, you may assume like Dr. Ross that all pigments are of equal chroma

(intensity as he calls it) but if you intend that the diagram shall truly describe the facts of pigments then measurements must be used, - the great inequality of pigments will completely change the relations.

As my friend said "A King may decree the boundary of his kingdom, but the topography determines the water-shed and flow of the rivers."

*These anilines have spread into stores, into women's dress, over all the bill boards and news stands, until they have become a standard of comparison and we are sadly unconscious of their crudity.

Compare the voice of a coal-beater and a cultivated person: an auctioneer and a teacher of philosophy.



Feb 15 Mr. Roger Williams at Studio 4 -4:30 131.
 1916 Discuss the system and need of rushing it
 adequately. Congestion at factory suggests
 a contract with (B---) or Amer. Crayon Co.
 for crayons - .35 per gr - 10% over \$600.
 " papers (Favor, Ruhl) or Milton Bradley
 Leaving Water Colors)
 Oils)
 Spheres) (Will present this
 Trees) for W.H (idea to Mr. Felton
 Scales)
 Cards)
 Balls)
 Charts)
 Atlas)

Wants special department devoted to system.

Feb 26 Mr. Howland gives me cost of the Atlas as
 white 7.68, black 8.43 - and will refund
 difference of \$20.22 on charge.
 This makes each chart cost about 50¢-
 Mr. Miller is preparing new pamphlet - reprints
 from School Arts Mag - Apr&May, Dec & Jan (1916)
 American Crayon Co. seems to delay question
 of copyright on "Bay State"

Feb 28 Mr. Williams at studio 9:30 - 10
 Has seen Father Hickey - Miss Porter - Mr. Felton

Mar 3 " " 2 - 2:30
 Arranges meeting for Messrs Felton, Howland
 and myself (4th) to discuss pushing the system
 in schools -
 "Facts" should be stated as to delay, loss of
 N.Y. schools - lower prices to be compensated
 by larger volume of sales.

(p131a gives figures on crayons)

Mar 4 Mr. Howland, Felton, Williams at 141 Federal St 135.
 4 - 4:45 - Discuss the large future opening
 for the system in schools and need to push it.
 Papers to be made at once under license & contract
 Crayons also " " " " for "H Co
 Mr. Williams to be put in charge of this Dept.
 exclusively and given an assistant.
 Mr. R. N. Kent to draw a tentative contract.

Mar 7 3:30 - 5:30 141 Federal St. & 161 Bayou Street
 Mr. Howland submits Mr. Kent's contract and sketch

for colored papers, crayons, products or other material to be made for W & H Co - under our contract.

Mr. Perkins (4:30-5) accepts the sketch and thinks packages of colored papers to reproduce the charts need only the patent notice on the commercial wrapper in which they are issued, as they may be cut up into much smaller pieces.

Mar 8 Hotel 5:30 - 6
Mr. Williams brings contract form & talks over papers.

Mar 9 Mr. Howland at 141 Federal St. - 9:30-10
We renew contract for one year from Oct, 1915 and specify trees at royalty of 25¢ each and oil tubes 10¢ per doz.

Mr. Hopkins at N.A.S. 11-11:30
Talk over Mandall's school at Boothbay & "conservation" of exceptional student - I refer to my paper in San Francisco MA - 1888 - and address reprinted in Mass. Board of Education Report (1891-2?)

Mar 9 Go to New York and sail next morning for Porto Rico on "Carolina" and transfer at Ponce to "Abd-el-Kader" for Mayaguez, San Juan and St Thomas. 133.

Apr 2 Sail from St. Thomas on Abd-el-Kader for San Juan and return to New York b. "Brazos" - Apr 5-10.

End of Book V.

Book VI

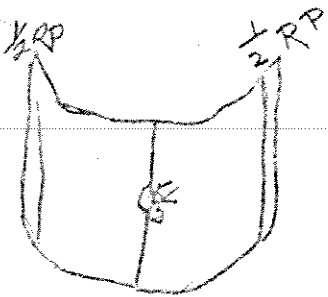
1916

April 10 Returned from month's trip to Porto Rico and St. Thomas. 1.

April 12 1-6 P. M.

Asa G. Randall- 95 Westminster St. Prov. to discuss 3 weeks' course of 12 lectures on Color- July 24- Aug. 12 from 4-6 on Tues. Wed. Thurs. and Friday. Would like to take charge of the business and promote it. Make the con. Art Colony of Boothbay the well known center of the System. Thinks Grover the right man to publish.

Suggests class of 25 @ 2.92 - per week- 73.
" " " " 5.00 " " 125.
3/4)198.



or with 15 in classes.

Questions - why purple varies from 2/ to 3/
Explain variations of pigment bases why BG is weakest Chroma and limits sphere.

April 13 9-11 Malden Factory
Mr. C. F. and Mr. Arthur Howland
Latter announces his patent on Color Mixer and near completion of his book but says he has been careful to not trespass on any patents.

Will furnish 4 to 7 colors and 10 White Sectors to be mixed by rotation against black background.

Diagrams to predict 1/3 of each pair needed to match a color.

5:30 - 4 At Mr. Perkins office Freislütter device had been transferred.

April 17 Mr. R. Williams- 3.
Hotel Puritan- 2-3:30
Figures for N. Y. Kindergartens, 900-39000 pupils and 33 1/3 per pupil.
Talks of 100,000 business next year.
Expects 12,000 order from my kindergartens

fee - probable net

VI
la

term -

purple - varying value

prep. of students

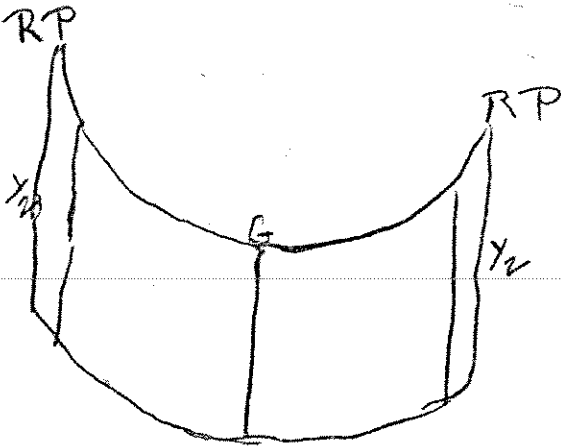
sphere - weakest chroma

and

desire -

Mon. July 24 M T W T F
31
Aug. 12

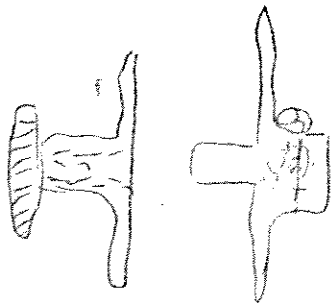
\$120-150 per wk.



Notes - on page 1.00

Menhogan

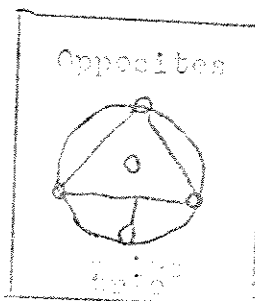
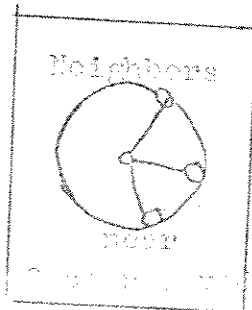
Mr. Frank Pierce



West Boothbay
Oak Grove house

15-16 wk

3a.



Dejonge will make 15 colored papers under contract.

3.

April 22 Mr. Bidwell (Favor, Ruhl of Chicago) to lunch at hotel. Opens his plan for a summer school on the Color System (Munsell) Mrs. Beems, Miss Sellaek and many others would com. - \$10 per week. Speaks of Hall, Bondreau and Mr. Patrick as assistants. I told him of my contract with Randall- for Boothbay. He will send Mrs. Beems to the course at " and plan for next year, 1917.

7-10 Mr. Bondreau to supper brings color illustrations loaned Mr. Williams at Springfield tells popular misapprehensions-

Not true (X only grey colors in the System
(X Cannot work with any other make of pigments

Has lectured for Kirby and Kniffen at Pittsburg. Say Allen made no mention of me in using the System.

April 24 Mr. Farnum and (Ellis N. A. S.) 330-430 Tells of the Springfield meeting - 10 classmates come together. See my plan for ABC of Color and lectures at Boothbay. Sees Atlas for first time, and hears of how it may be used.

April 26 Mr. Chas. Howland at 141 Federal St. 9-30-10. 5. Discussed contract with Dejonge for 15 papers, and Patrick Jones's question as to protection by patent.
.49 the price of outfit for Miss Curtis's Kindergarten.

May 2 Mr. Williams at N. A. S. - 2-2:30 Tells me the paper and N. Y. situation

May 3 Mr. Howland and Mr. Felton - 141 Federal St. 10-10:30
I say that Miss Curtis has opened a door which was shut to us and will shut again unless we walk directly in. Her \$12000 order waits for our \$3000 investment. They agree to go right ahead.

May 11 141 Federal St.
Mr. Howland and Mr. Williams
Question of colored papers from Parker P.

One half page (5a.) omitted. It is a repetition in various arrangements with a diagram, of a rhyme - -

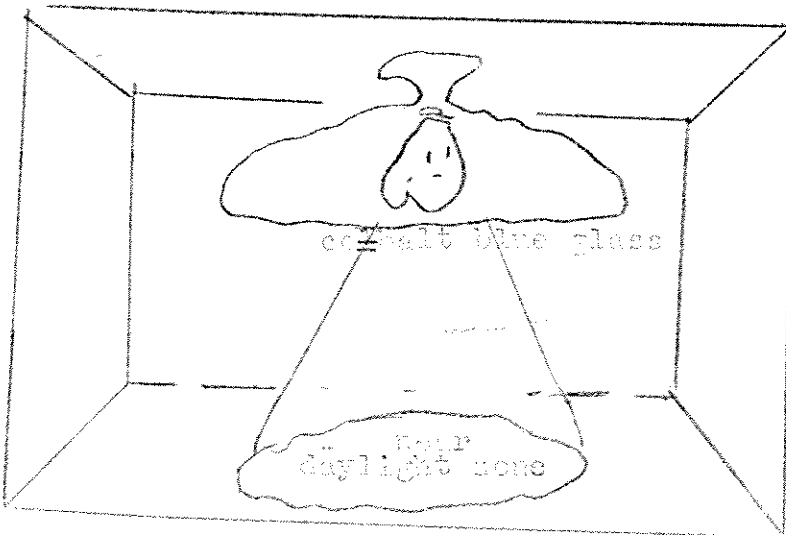
"The wind blows east, the wind
blows west;"
etc.

Loose Page, 5a contains information about planning of mats, squares, circles, etc.

Change of voltage changes
color

Photo Blue glass, seems to
balance warm light -

good for watching colors on a
dark day - -



Serimons - Pr 100
 Question of colored papers from Bacon- .025
 .058

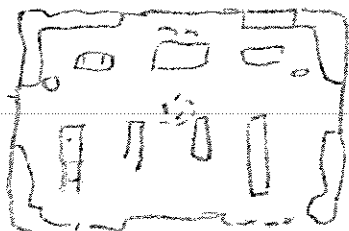
May 18

Malden Factory with Mr. H. & Otto
 Take fresh sample box of small cards (15) to
 test time effect. Mr. H. believes his sector method
 against black box is a standard method- powder
 color inside barrel or bottle, kept dry and in
 the dark does not change. Ex. vermilion kept 24
 years. We discuss the compensated nitrogen
 lamp, also General Electric new standard lamp.

May 22 N. A. S. 2-3

7.

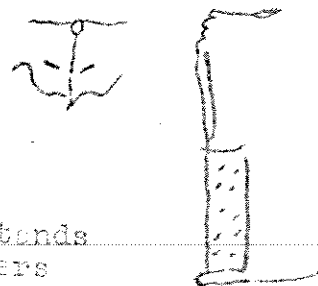
Miss Patrick comes to plan color etc. of a child-
 ren's library room----- 40 X 30'



South light

Ceiling 5B 8/1
 Wall 5G 6/2
 Finish 5YR 4/2

photo frames & swinging stands
 casts, bas-relief & samplers
 mottos,
 indirect ceiling fixtures
 desk lamps - old ?, books as color
 accents



3-4 With Judge Perkins, at Miss Chamberlin's
 studio Trinity Court.
 To see Chief Justice Shaw's portrait from photo.
 Then go to Public Library to see Hunt's portrait
 of Cabot. Advise Miss C. to look up Hunt's por-
 trait in Salem Court House.

May 29

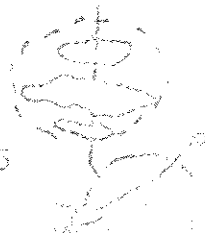
Advanced \$30 to Edwin L. Powers on outfit and
 wages so that he could go home to Eggemaggin-
 but Mr. Nager later telegraphs his objection.

May 31

At Art Museum with Mr. Gilman
 Got him copy of new edition (4a) and show color
 designs with program for lectures at Conn. Art
 Colony.
 He calls it admirable, quotes "Quest-que c'est
 que la grand vie-etc," refers to Regnault's "la
 haine irgois" and speaks of Rachel Lindsay's
 "Oom Callicope". Congratulate me on "doing good",
 opening the eyes and what he thinks rather rare
 - finding fit seems to carry out a fresh idea of
 color.

3-4:30

Mr. Williams at studio
 Tells of assistance from Farnum.
 Asks if circle at sector - is 7/5 as at 5/5
 "Oy red pile. ad blue do not balance
 Wants to know what happens in his absence.



Received first copies of 4th edition "Color Notation"
for 1000 - \$302.20

11a.

Locke - "Fortunate Youth"

"A turkey carpet fading into beauty"
Sense of humor P. 90

"As if a Kindergarten had been selecting committee of the
Royal Academy. It looked also as if the Kindergarten had
replaced the hanging committee. It was a conglomerate
massacre. It was victorial anarchy. It was individualism
breserk, amok cryily frantic. And an execrably vile, nerve
destroying individualism so that"

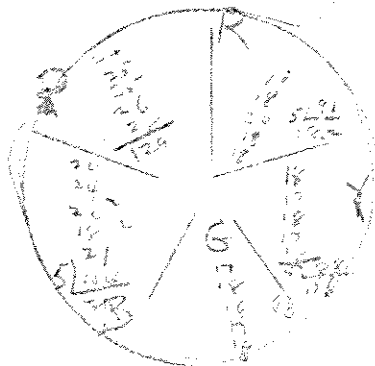
Miss F's picture collection

Dejonge papers - tested Oct. 4 and 20

11a.

R	18.2	
Y	17.6	<u>52.6</u>
G	17.6	
B	21.-	
P	26-- weak	<u>53.56</u>
		<u>20.2</u>

There is a separate sheet containing the original notes and
on diagrams shown on this page.



See page 421 as
for complete p. 13.

June 3 9-10 Mr. Hibbard Spencer Busby 9.
60 Ridge St. So. Manchester, Conn.
representing Mr. Cheney-
Saw Atlas and Photometer
brings skeins for test
Wishes to standardize the Cheney Silks.

12 Hotel Puritan 10-11
Mr. Sanburn of Mittineage Paper Co.- to see
Photometer.

14 N. A. S. - 3:30
Delivered Photometer to Mr. Busby of the
Cheney Bros.

22 Mr. Holverson (C. A. B.) at Gen. Elec. -
Lynn 10-11:30
Discuss daylight with Mr. Mussey - test lamps.
Intensified are not so good on A. C. - 110.
Try compensated nitrogen bulb -
Moore tube is suggested for my conditions and
Mr. H. will write the Moore people at Harrison,
N. J.

July 1 Sailed from City Point in Ahmed III to Marble-
head.

2 To Cape Porpoise -
To Bath and Boothbay -
To Christmas Cove
To Port Clyde and Monhegan.

7 Commonwealth Art Colony - Boothbay Harbor, Me.
Supper and lecture on negro music by Prof.
Hamilton.
Met Mr. and Mrs. Randall, Mr. and Mrs. Hatch,
Arranged for wall case and lighting.

18 Talked over books on color with Miss Beems -
returned her sketched books and discussed the Seignall
er series.
Mr. Hatch comes to ask about the wall case -

25 Opening lecture of a course of Twelve on Color

26

27

28

Aug. 1, 2, 3, 4, 7, 8, 9, 19

Summer spent on Ahmed III -
Return to Hotel Puritan Sept. 25 and
take up classes at the N. A. S. -

Oct. 6 Tell Mr. Bailey to defer Mrs V Philips' ad. in
Dec. no. of School Arts Book.

Oct. 8 12:15
With Mr. Howland at 141 Federal St.
Discussed above matter and sent letter to same
effect.

2 P. M. Locked up Ahmed III at Baker Yacht Basin
and paid off Cap. Powers -

Oct. 16 3 P. M.
Philips School - Wellesley Hills -
Meet Prof. Norton, Dr. Graves - Mr. Curtis -
Color Talk to the teachers
1-3 attitudes toward a new thought - appreciation
of Miss Patrick.

Color is in us - not outside

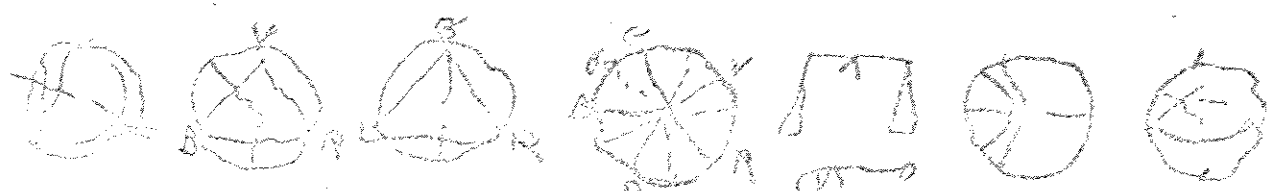
Color Theories - stable and unstable - Newton Young
Brewster Helmholtz.

R-Y-B Theory the accident of pigment impurity
R-G-B " the same action of the eye -

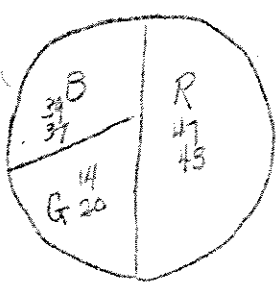
The other way "easier"
Must all education follow the "easier way"?
Mental strength or mental softness?

Discipline the lesson of life -
Balance the aim of all education
Color Balance impossible with R Y B
Accent and domination

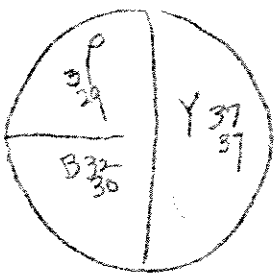
Advertising color -- arrests the eye)
picturesque color -- deceives the eye)
decorative color -- satisfies the eye)
all three)
of balance



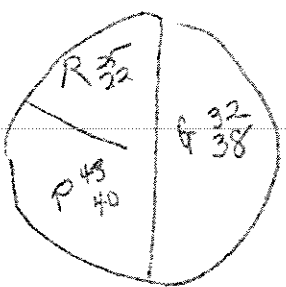
wrong right avoid over balance opposite



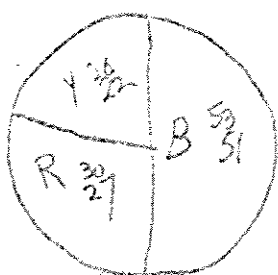
Red 53
G-Strong
B-Weak



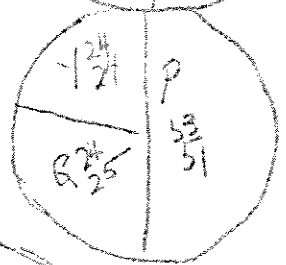
Yellow-warm



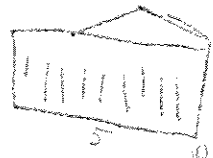
Green-warm



Blue-light



Purple-weak



I suggest using four color solutions in ten densities by means of a wedge shaped vial-to match a colored object.

R Y G B
O YG CB P

17. I suggest of color chart in small case

But use B that have "to" light while red-
color of color chart. I will have it 13.



Oct. 19 Malden Factory - 9:30 - 11:30
 Saw presses for cutting paper. Otto and both Howlands. tested new DeYonge papers - see opposite. discussed variation of Standard.
 Old green far away from new purple weak) Mr. Allen's letter of Oct. 14

Oct. 26 Cleaned studio Cleary and White - 9-12 -

Oct. 31 2-3 - M N. A. S.
 1st. Color demonstration for freshmen all school present

~~Nov.~~ ^{Nov.} 3 - Dec. 3
 Rheumatic attack - confined to house

Jan. 1917.

15.

Confined to house by rheumatism

Jan 15)
 27) Roger Williams
 29) resigns, plans year in N. Y. but is called to Wadsworth-Howland Co.

Jan. 17 Mr. Charles Howland - to discuss above -

Mar. 8 Mr. Charles Howland brings Mr. Foss and plan for new Munsell circular

27 Messers. Allen and Greenleaf

They suggest the "Munsell Color Co." - To push the commercial side of the Color System: are very much in earnest.
 Mr. Allen shows plan for a Color filing cabinet - needed by printers \$50, license Ruxton to handle the system, on condition that gross sales the first year equal \$35000 - my royalty to be 15% (\$525)
 Allen and Greenleaf to be stockholders - with me as president controlling majority of the stock as equivalent for the patents, copyrights, etc., and later additions.

Witt & Co. to have a new contract = (15% on gross sales?) for from one to five years,

or license to make and furnish exclusively to me at cost plus factory profit. Estimate cost at 33% factory and handling at 15%, advertising at 15% - royalty 15%.
 No danger as to charts, atlas or books - all copyrighted.
 Colored papers, new contract subject to revision in a year
 Trademark copyrighted.

May 26

Appendicitis operation by Dr. Hugh Williams, (Dr. Baldwin, Allen and Richardson)
 Not expected to survive Nurses Robinson and Cary.

Two nurses all summer Mother comes to keep me company.
 Juliet takes children to Santa Cruz, Cal.
 Ector and Margret married - (I in bed)

July 29

Dr. L. J. Henderson calls
 Will co-operate with Hoover in research for essential material of bread and a war substitute.

Ector in draft - goes to Ayer Cantonment
 Dan volunteers with Ahmed, - but is sent to Newport.

Feb. 14-17)

17.

Mar. 21)

June 26)

Aug. 25)

Sept. 5)

Mr. Roger Williams (Wadsworth-Howland & Co.)
 to discuss Color. System and its future.

Aug. 21, 22

Judge C. F. Perkins to draft will, at Chestnut Hill house.
 Judge Perkins to draw new contracts for Wadsworth-Howland & Co. and Munsell Company.
 Read final draft and sign Wadsworth-Howland Munsell Contract.

April 27

Gave up Studio at 221 Columbus Ave. (Since 1901) and stored goods at room 214C - \$6 per month in Boston Storage Warehouse - Huntington Ave. Boston (John S. Sargent takes the Studio in October)

Oct. 14

Hang out service flag with one star for Ector

Nov. 28

Mr. Busby (Cheney Bros.) 1st. Lt. Ordnance-Plattsburg
 Has given special attention to Camouflage:- lectures, reports, etc. brought to the members at Plattsburg.

Speaks of problems - teachers, gun emplace-
ments, observations posts.

Photographic values - distort and even make
new contrasts.

Methods of Color photography

(Three) color methods:

- " Ives ----- R - Y - B
- " Lumière----- R - G - VB
- (Two) ~~Kinémaconieur~~ ^{Kinémaconieur} R - G

Loss of light, failure to do justice to
strong and weak color in same effect - open
cigar box with chroma on inside cover.
Camouflage must deceive not only the eye,
but the camera - When photographed at height
of 3000 yds.

Experiments, horizontally with mirror and
discs- difficulties with dyes and pigments.
Disguise best made with surrounding earths,
foliage etc.

Dec. 12 65 Middlesex Rd. - 6-7 P. M. 19.
 Judge Perkins, Roger Williams and Paul Perkins A.H.M.
~~A.H.M.~~
 To ratify plan for The A. H. Munsell Co. -
 elect officers.

1918 65 Middlesex Rd. - 2-5 P. M. 21.
 Jan. 5 Judge Perkins, Arthur S. Allen, and Roy
 Greenhart, A. H. M.
 To discuss the A. H. Munsell Color Co. and a
 New York office. Mr. A. speaks of one on same
 floor as Philip Ruxton. Show room for full
 stock - stenographer clerk - per month) \$60 rent
) 30 salary
 Advertising - travelling Agent-insurance & taxes
 G. sees nothing of the Munsell system displayed
 at W-H & Co., asks for colors which are not
 easily found.
 A. goes to factory, sees Arthur Howland who is
 pushing his photometer, and will lecture on it
 next week at Horticultural Hall 15 400 decora-
 tors. Does he carry out the contract? If
 Williams were to take charge of N. Y. office,
 could he swing both educational and commercial
 lines? - leaving only manufacturing to W-H & Co.
 Would Otto be willing to change employ - and
 could Ruxton Co. make the colors?

A. shows drawing for the Strathmore Paper Co.
 G. shows sketches in ship camouflage.
 P. discusses raising \$10,000 to open the N. Y.
 office.
 Would Ruxton take stock?

1918

Jan. 13

65 Middlesex Road - 3-4

23.

J. Otto Anderson brings samples of small
 enamels - 1916 and of crayons, water colors
 and colored papers - 1917.

Thinks there are about seven sheets of colors
 used in the Charts, (600 squares in each) which
 will last several years, before a new lot can
 be made from Maxima to W. B. and N5.

About 250 Allen charts remain to be provided
 with my signature.

Speaks of Arthur Howland's newness to this
 problem, and patent for the photometer - all
 suggested by what he finds done. His idea that
 my scale was wrong disproved by my demonstration
 of extinction test for Y and R showing that he

ignored the law of sensation - so giving to
 Yellow a chroma half again as strong as that of
 red which no practical colorist entertains.

Thinks Arthur Howland could join with me to ad-
 vantage. I show that our contract requires him to
 push my system.

I tell Otto of the new color company - to push the
 commercial side of the system - Its directors,
 patents, etc.

Feb. 4

As above - 4-6:30

Rewrite papers for \$100,000 and make it the A. H.
 Munsell Color Company, Inc. at State House,
 Boston, Feb. 6.

Judge Perkins, Paul, Roger Williams and Mr. Haskell
 Discuss lack of Mr. Williams's service - Mr. A.
 Howland taking over this work and his father's
 place. His confidence to his method of triangles
 and belief that I am in error.

Suggest that he cannot be hostile and deal fairly
 with me, must keep to the contract or break with
 me.

Feb. 13

65 Middlesex Rd.

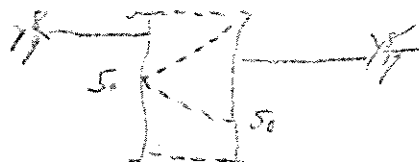
25.

Judge Perkins and Arthur Howland.

Discuss latter's interest in his photometer and
 possibility of avoiding unfair attitude toward
 my system. He tells of his belief in the scienti-
 fic nature of his work - although I show that
 it ignores the fundamental law of sensation.

Consider possibility of having the New York
 office take over the educational interest as
 well as the industrial, and leave only manufactur-
 ing for the system to W-H & Co.

... discuss intention to publish charts.



Feb. 15 As above

Mr. Lambert comes to present his qualifications as salesman at the N. Y. office.

Feb. 16 As Above
Roger Williams

1918

Finis
Book VI