Value balance
on 5, 7, 3

Hue Balance
Opposites - pairs
trios

Chroma balance
Light trios
Dark "

Compensation of
area - H V and G
Area Balance

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

Feb 11 Milled at studio - 9:15 - 11:30
One might assume anything and prove nothing. If equal differences of $\alpha$ & $\nu$ is intended at each step - see I.

antilne colors give stronger
chormes and may be used to pro-
long scales of the atlas, as a
definite measured plane awaits
then - but they fade and are so
unfit for standard.

If both your inner and outer
circle are to contain each one
degree only of chroma - then the
other can be no larger than its
weakest hue (38 5/6) - and the
inner will be chroma 5/2

If the aim is only to produce a
diagram of ideal relations, you
may assume 1/4 to. Know that all
pigments are of equal chroma
(interestly 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 "-I King say become the boundary of
his kingdom, but the topography determines the water-shed
and flow of the rivers."

*These multilines have spread into stover, into women's
dress, over all the bill boards and news stands, until
they have become a standard of comparison and we are
sensly unconscious of their quality.

Compare the voice of a coal-burner and a cultivated
person: an auctioneer and a teacher of philosophy.
Feb 15 Mr. Roger Williams at Studio 4 - 4:30
1916 Discuss the system and need of rushing it
adequately. Congestion at factory suggests
a contract with (C- - ) or Amer. Crayon Co.
for crayons - .35 per gum - 10% over .300.
" papers (Favor, Rule) or Milton Bradley
Leaving Water Colors
Oils
Spheres ) (Will present this
Trees ) for W.M (idea to Mr. Felton
Scales )
Cards )
Balls )
Charts )
Atlas )
Wants special department devoted to system.

Feb 20 Mr. Howland gives me cost of the atlas as
white 7.60, black 8.40 - and will refund
difference of 520.22 on charge.
This makes each chart cost about 60%
Mr. Miller is preparing new pamphlet - reprints
from school arts mag - Apr 8, May, Dec & Jan 1915
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 James 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, Fel ton, Williams at 141 Federal St
6 - 4:15 - 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 alter " " " " for " " Co
Mr. Williams to be put in charge of this dept.
exclusively and given an assistant,
Mr. W. L. Kent to draw a tentative contract.

Mar 7 3:30 - 3:30 141 Federal St, " 141 Tremont St,
Mr. Howland submits Mr. Kent's contract and draw.
for colored papers, crayons, products or other material to be made for Z & 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 3  Hotel 5:30 - 6

Mr. Williams brings contract form & talks over papers.

Mar 3  Mr. Howland at 141 Federal St. - 9:30-10

We renew contract for one year from Oct, 1915 and specify trees at royalty of 25c each and oil tubes 10c per doz.

Mr. Hopkins at M.A.S.  11-11:30


Mar 6  Go to New York and sail next morning for Porto Rico on "Carolina" and transfer at Ponce to "Abd el-Kader" for Kayaguz, San Juan and St Thomas.

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.
1916
April 10 Returned from month's trip to Porto Rico and St. Thomas.

April 12 1-6 P.M.

Asa C. Randall - 93 Westminster St. Prov. to discuss 3 weeks' course of 12 lectures on Color July 21-Aug. 12 from 4-6 on Tues. Wed. Thurs. and Friday. Would like to take charge of the business and promote it. Make the col. Art Colony of Boothbay the well known center of the System. Thinks Grover the right man to publish.

Suggests class of 25 @ 2.00 - per week - 75.

or with 15 in classes.

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

April 13 9-11 Warden Factory
Mr. C. F. and Mr. Arthur Veeland. 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.

Diagram to predict % of each pair needed to match a color.

3:30 - 4 at Mr. Perkins office Freilichter device had been transferred.

April 27 Mr. F. Williams -
Hospital Furniture - 2-3:30
Figures for N. Y. Kindergarten, 600-8000 pupils and 33 1/2 c. pupil. Talks of 100,000 business next year.

Quotes 110,000 order from my Kindergartens
fee - probable net

VI

term - purple - varying value

prep. of students sphere - weakest chroma

and

desire -

Mon. July 24 Sun. 21
Aug. 12

$120-150 per wk.

Hogasen

Mr. Frank Pierce

West Boothbay
Oak Grove House

15-16 wk

3a.
Dejonge will make 15 colored papers under contract.

April 22 Mr. Bidwell (Favor, Ruhl of Chicago) to lunch at hotel. Opens his plan for a summer school on the Color System (Bunsell). Mrs. Beems, Miss Selleck and many others would com. $20 per week. Speaks of Null, Boudreau and Mrs. 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. Boudreau to supper brings color illustrations loaned Mr. Williams at Springfield tells popular misapprehensions. (X only grey colors in the system. (X Cannot work with any other make of pigment)

Was lectured for Kirby and Kiffen at Pittsburg. Say Allen made no mention of me in using the system.

April 24 Mr. Parmum and (Lillis R. 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. S. Discussed contract with Dejonge for 15 papers, and Patrick Jones's question as to protection by patent. ($9 the price of outfit for Miss Curtis's Kindergartens.

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. Walton - 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 work directly in. Our $1200 order awaits 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 rime—
"The wind blows east, the wind blows west;"
etc.

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

Charge of voltage changes color
Blue glass, seems to balance warm light—
good for catching colors on a dark day—
May 16
Malden Factory with Mr. M. & Otto
Take fresh sample box of small cards (15) to
test time effect. Mr. M. 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. vermillion bent 24
years. We discuss the compensated nitrogen
lamp, also General Electric new standard lamp.

May 22 N. A. 3. 2-3
Miss. Patrick comes to plan color etc. of a child-
ren's library room--------- 40 X 30'

Ceiling SB 8/1
Wall SB 8/2
Finish SFR 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 Chitt's portrait from photo.
Then go to Public Library to see Hunt's portrait
of Cabot. Advise Miss C. to look up Hunt's port-
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 "Qu'est-ce c'est
que le grand vie-etc., refers to Regnaults "la
haine irrem" and speaks of Michel Lindsey's
Good Cullians! Congratulates me on "going well",
opening the eyes and what he thinks rather rare
— finding fit means to carry out a fresh idea of
color.

S-4:30
Mr. Williams at studio
Tells of assistance from German.
Asks if circle at sector — is 7/3 or at 5/6
"Dry red color. No blue do not balance
wants to know that happens in his absence.
Received first copies of 4th edition "Color Notation" for 1920 - $302.20

Locke - "Fortunate Youth"

"a turkey carpet fading into beauty"
Sense of humor P. 80

"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 pictorial anarchy. It was individualism in mass, shockingly violent and an execrably vile, nerve destroying individualism so that"
Miss L's picture collection

De Jonge papers - tasted Oct. 4 and 20

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

See pages for complete.
June 3
9-10 Mr. Hibbard Spencer Busby
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 Mittleague Paper Co. to see
Photometer.

14
N. A. G. - 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. Halsey - 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 Marblehead.

2
To Cape Porpoise -
To Bath and Boothbay -
To Christmas Cove
To Fort 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.

13
Talked over books on color with Miss Beams -
returned her sketched books and discussed the Seihuller
series.
Mr. Hatch comes to ask about the wall case -

25
Opening lecture of a course of Twelve on Color

Aug. 1, 2, 3, 4, 7, 8, 9, 19
Summar spent on Ahmed III -
Return to Hotel Puritan Sept. 26 and
take up classes at the N. A. S. -

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

Oct. 8
12:15
With Mr. Howland at 111 Federal St.
Discussed above matter and sent letter to same
effect.

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

Oct. 10
3 P. M.
Philips School - Wellesley Hills -
Meet Prof. Norton, Dr. Trues - 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's Young
Brown for Helmholtz.
R-Y-R 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 Emphasis
Advertising color -- arrests the eye ) pressure
picturesque color -- delights the eye ) underli
decorative color -- satisfies the eye ) all 3 for

\[ \text{Diagram:} \]

\[ \text{Truth, right, and color balance concept} \]
I suggest using four color solutions in the densitometer by means of a wedge-shaped light to match a colored object.

- Red
- Yellow-
- Green-
- Blue-
- Purple-

- "No. 2" followed by "No. 2" light while reading.
Oct. 19  Malden Factory - 9:30 - 11:30
Saw presses for cutting paper. Atto and both Howlands.
tested new De Yonge papers - see opposite.
discussed variation of Standard.
Old green far away from new Mr. Allen's purple week
letter of Oct. 14

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

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

Nov. 3 - Dec. 3
Rheumatic attack - confined to house

Jan. 1917. 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 Lunsell circular

27 Messrs. Allen and Greenleaf

They suggest the "Lunsell Color Co." - To push the commercial side of the Color Sys-
tem: 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 Margaret 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.

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

Feb. 14-17
Mar. 21
June 23
Aug. 25
Sept. 5

Mr. Roger Williams (Wadsworth-Howland & Co.)
Mr. Roger Williams (Wadsworth-Howland & Co.)
Mr. Roger Williams (Wadsworth-Howland & Co.)
Mr. Roger Williams (Wadsworth-Howland & Co.)
Mr. Roger Williams (Wadsworth-Howland & Co.)

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. Rusby (Cheney Bros.) Ist. Lt. Ordnance - Flattsburg
Has given special attention to Camouflage - lectures, reports, etc. brought to the members at Flattsburg.
Speaks of problems - teachers, gun emplacements, 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) Kinematographe 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 disc - difficulties with dyes and pigments.
Disguise beat made with surrounding earths, foliage etc.

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

1918 Jan. 5 65 Middlesex Rd. - 2-5 P. M.
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 $30 rent
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 decorators. 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
J. Otto Anderson brings samples of small enameled - 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 X5.
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 A 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 advantage. 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.
Judge Perkins and Arthur Howland.
Discuss letters interest in his photometer and possibility of avoiding unfair attitude toward my system. He tells of his belief in the scientific 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 manufacturing for the system to W. & Co.
... W. claims 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