

15/5/35
Liberal Arts and Sciences
Chemistry
Edward Bartow Papers, 1870-1959

Box 1:

Charles E. Bartow account book, receipts and expenses, farm produce and labor, 1881-1890
Charles E. Bartow, 1880, 1882, 1892-95, 1902, 1911
 Bills and statements
Edward Bartow, birth and baptism, 1870
Letters to Mr. Wilbur, 1888-90
Williams College notes, chemistry, 1891
 Botany, 1890
 Class book, commencement program and songbook, 1892
Göttingen, 1894-95
Kladderodtsch-humor-satirical-weekly, March 31, 1885; Tribute journey of German students to
 Count Bismarck (40 pages plus illustrations) April 1, 1895
Course notes, University of Göttingen
 Crystallography from Prof. Theodor Liebisch, Oct. 31, 1894 - July 30, 1895, April 25, 1895
 - July 26, 1895
 Mineralogy from Prof. Theodor Liebisch, Oct. 25, 1894 - March 5, 1895
 Organic chemistry, chemistry of carbon compounds from Prof. Wallach, April 25, 1895 -
 August 1, 1895

Box 2:

Williams College Scrapbooks, 1888-91, 1891-93

Scrapbook 1:

Certificate of Admission, June 30, 1888
Latin, Entrance Examination
Greek, Entrance Examination
Mathematics, Entrance Examination
Ancient Geography and History, Entrance Examination
Mount Beacon Academy Commencement Invitation, June 21, 1888
Mount Beacon Academy Commencement Program, June 21, 1888
Williams College Rules
Sadie A.B. Aldrige to Edward Bartow
Williams College Room Information, June 30, 1888
College Hall Announcement, Sept. 5, 1888
Class Day Program, June 24, 1888
Baccalaureate Program, June 24, 1888
Moonlight Oratorical Contest Program, June 26, 1888
 3 tickets

Vocal Exercises

"Public Opinion and the Sword" by Thomas B. Macauley
 Outline of Lectures in Elocution
 Gymnasium physical measurements of Edward Bartow, 1888, 1890
 Athletic Association Meeting Program, Oct. 13, 1888
 Edward Bartow Parsons to C.E. Bartow, Dec. 15, 1888
 ticket, cheer, library notice
 Madame Camilla Urso Concert Program, Nov. 1, 1888
 Eichberg String Quartet Program, March 19
 New York Philharmonic Club Program, Jan. 26
 Lotus Glee Club, Nov. 20, 1889
 Temple Quartet, Feb. 12
 Musicale Program
 Musicale ticket
 Listemann C., Feb. 20, 1889
 Listemann Concert ticket
 Y.M.C.A. Bible Class I
 Thanksgiving Dance Program, 1888
 Williams College Glee and Banjo Clubs, Nov. 26, 1888
 Williams College Reports; Dec. 18, 1888; March 26, 1889; June 26, 1889
 O.M. Fernald to Edward Bartow, March 11, 1889
 L.W. Woodbridge to Mrs. Edward Bartow, March 11, 1889
 B. Perry to Edward Bartow
 Schedule of games, 1889
 Baseball Association ticket
 Freshman Prayer Meeting schedule, Feb-June, 1889
 Y.M.C.A. Piano Fund Concert, Feb 1, 1889
 Graves Oratorical Prize Contest Program, June 22, 1889
 Junior Dramatics Program, May 30, 1889
 Moonlight Prize Oratorical Contest Program, June 25, 1889
 Class Day Program, June 25, 1889
 Baccalaureate Sunday, June 23, 1889
 Freshman Banquet Menu, June 21, 1889
 Glenham Society Program, Dec. 18, 1889
 Young People's Association Program, Dec. 30, 1889
 Sophomore Prayer Meeting P: Sept, 1889-Jan, 1890; 1889-1890; Feb-June, 1890
 Phila May Concertticket
 Phila May Concert Program, Nov.5, 1889
 Andover Club ticket
 Lotos Glee Club Concert, March 13
 Newspaper articles
California Detective playbill

- Mattis E. Cantice to Edward Bartow, Nov. 23, 1889
 Crescent Literary and Social Club Invitation, Dec. 31, 1889
 Alice Richardson's Graduation Invitation, June 19, 1891
 Calling cards: Mr. and Mrs. Hasbrouck Bartow; Miss Kate V.W. White, May 20, 1890
 J. Fred Smith Graduation Invitation, June 13, 1889
 Miss Richardson's Philomathean Society Closing Exercise Invitation & Program, June 16, 1891
 Hazing Pronouncement
 Bliss Perry to Edward Bartow, Oct. 5, 1889
 6 notes, 1889
 Crescent Lawn Tennis Club, Fishkill, N.Y., Program, Feb 21, 1889; Sept. 4, 1890
 Moonlight Appointments Program, March 28, 1890
 James R. Van Wyck to Edward Bartow, Feb. 19, 1890
 Philotechian and Philologian Joint Debate Program, March 26, 1890
 Athletic Meeting, F.L. Dunne Boston Program, 1890
 Karl Merz Club Concert for Y.M.C.A. Program, May 1, 1890
 Dutchess Junction, N.Y., Party Invitation, Sept. 3, 1890
 Frances March to Edward Bartow, Feb. 24, 1890
 Y.M.C.A. "The Boston Rivals" Program, Jan. 29, 1890
 Bernhard Listemann Club Program, Feb. 20, 1890
 Y.M.C.A. Entertainment Course Program, 1889-90
 6 tickets
 Baseball schedule
 Athletic Association Fall Meeting Program, Oct.4, 1890
 Athletic Association Winter Meeting Program, Feb. 19, 1890
 Athletic Association Second Winter Meeting Program, March 12, 1890
 Athletic Association Third Winter Meeting Program, March 29, 1890
 Room Bills, Jan. 23, May 1, 1890
 Schedule of 1889-90 elective studies, June, 1889
 Sophomore Class Banquet, June 27, 1890
 Class Poem of 1873 by Lynn P. Armstrong, June 27, 1890
 3 notes
 Auditorium Dedication Services Program, Presbyterian Church, Rochester, N.Y., Sept. 13, 1891
 Grade Reports, Dec. 17, 1889; April 1, 1890; July 2, 1890
 Absence Notices
 World Student Conference (Y.M.C.A./D.L. Moody), Northfield, Mass., June 1891
 Wedding Announcements
 Social Party Invitation, Glenham, N.Y., April 1, 1891
 2 tickets
 Mary Howe Concert Program, May 30, 1890
 Lotus Glee Club Program

Ninth Annual Conference, College Y.M.C.A. of New England, A, Feb. 6-8, 1891
 Philotechian and Philologian Joint Debate Program, Feb. 25, 1891
 Athletic Association Winter Meeting, March 18, 1891
 Moonlight Appointments Program, March 27, 1891
 Dr. R.M. Davenport Spring Recital Program, Feb. 10, 1891
 Chemistry Examination
 Romeo and Juliet Program and Libretto, 1891
 E.F. Merriam to Edward Bartow, May 29, 1891
 Grade Reports: Dec. 23, 1890; March 31; June 24, 1891
 Schedule of Studies, 1890-91
 L.W. Woodbridge to Edward Bartow, Nov. 22, 1890
 Commencement Directory, 1891
 Sedgewick Institute Athletic Club Annual Regatta Program, June 16, 1891
 E.B. Parsons to Edward Bartow, Aug. 4, 1891
 Norwich Free Academy Graduation Exercises Program, June 23, 1891
 3 tickets
 Maid of the Mist A
 "The Scholars
 Hymn", July 1, 1890
 Dan Daly and Upside Down Program
 Charles M. Mustis (Fishkill, N.Y.) to Edward Bartow, June 26, 1890
 3 calling cards
 Distances from Williamstown card
 Walter L. Main Circus Shows Songster
 11 tickets
 Junior Class Prayer Meeting Program, 1890-91
 DeGarmo Institute Commencement Invitation, June 11, 1891
 Lou Schofield (Poughkeepsie, N.Y.) to Edward Bartow, Sept. 1, 1890
 Edward Bartow's Anthropometric Table, 1890-92
 Marshall P. Wilder Entertainment Program, Feb. 5, 1892
 Contest for Moonlight Appointments Program, March 28, 1891
 Hoosac Tunnel statistics card

Scrapbook 2:

"Williams College Indelible Photographs," 1892
 An Evening with Wagner Program, Jan. 8, 1892
 Schumann Male Quartet Program, March 24, 1892
 Mary Howe and Claude Fisher Concert Program, Feb. 25, 1892
 Glee Banjo and Mandolin Clubs Concert Program, May 30, 1892
 Beethoven Club Program, Feb. 11, 1892
 Philotechian and Philologian Literary Societies Debate Program, April 27

"Bad Advice" play Program, May 12
Speaking Contest Program, May 12
Athletic Association Program, April 21
Chemistry Laboratory Receipts
Whist scorecard
4 bills, 1892
Theta Delta Chi Banquet Invitation, April 15
N.Y. College of Pharmacy Commencement Invitation, May 3
Class Report Questionnaire
Carleton College Fraternities Questionnaire
Mathe Curtiss to Edward Bartow, April 20
A.V.W. Van Vechten to Edward Bartow, May 9
Rev. William W. Schomp to Edward Bartow, June 21; Sept. 22
C.A. Veckery (Rochester, N.Y.) to Edward Bartow, Feb. 10, 1892
Grade Reports: Dec. 21, 1891; April 5, 1892
Phillips Exeter Class Day Invitation, June 21, 1892
C.A. Vickery to Edward Bartow, May 28, 1892
Baseball Programs with Dartmouth, 1892
Benjamin De Wolfe and Class Day clippings, June 22, 1892
Commencement Program, June 18-23, 1892
Baccalaureate Program, June 19, 1892
Commencement Announcement, June 18-23, 1892
Graves Prize Contest Program, June 18, 1892
Junior Dramatics Program, June 20
Alumni Meeting Program, June 21
Marshal's Supper Program, June 23
Prize Rhetorical Exhibition Program, June 21
Ivy Song and Reception Ribbon
J.F. Nauman to Edward Bartow, June 22
Iola M. Harder to Edward Bartow, June 27, Aug. 12
E.W. Bishop to Edward Bartow, Aug. 15
Dance Program, Sept. 5, 1892
Dance Program, July 23, 1892
Prayer Meeting Announcement, 1891-92
Theta Delta Chi Convention Invitation, Nov. 18-20, 1891
Alpha Delta Phi Tea Invitation, Oct. 10, 1891
New England Chemical Club Invitation, Dec. 6, 1891
Lyceum of Natural History Program, Feb. 2, 1892
Mendelssohn Quartet Club Program
Iola M. Harder to Edward Bartow, Dec. 14, 1891
Harder Marriage Invitation, Nov. 26, 1891
Anna (Glenham, N.Y.) to Edward Bartow, April 20, 1893

Wes to Edward Bartow
 M.V.B. Mears to Edward Bartow
 William Talman to Edward Bartow, Oct. 25, 1892
 A.V.W. Van Vechten to Edward Bartow, June 28; July 9; July 10, 1893
 John S. Adriane to Edward Bartow, June 28, 1893
 George to Edward Bartow, Feb. 25, 1892
 F.B. Bartett Invitation to Edward Bartow
 Faculty Club Program, Jan. 25, 1893
 Williams Banquet Program, June. 29, 1909
 Portrait photographs of the Class of 1892

Box 3:

Correspondence, 1895-99
 Relating to appointment at the University of Kansas, Williams College caricatures, teaching
 and research at Kansas, Kansas gold shale (1899)
 Correspondence, 1900, 1902, 1904-06, 1908, 1910
 Gold shale (1900), Kansas water investigations, Kansas mine explosion investigation
 (1905), appointment to the University of Illinois (1905), membership certificates
 Expense journal, commission to investigate coal mine explosions in Kansas, October 10, 1903 - Feb.
 21, 1904, 1905
 Correspondence, 1910-13
 Correspondence, 1914-19
 Memberships, appointment as a Major in the Sanitary Corps (Nov. 1917), appointment as
 Lt. Col., service in France with the Water Analysis Laboratories from 1917-1919,
 discharge, French Medal of Honor
 Activated sludge, reprints and articles, exhibits on water purification and sewage disposal plants,
 1915-17
 Gilbert J. Fowler correspondence concerning sewage purification methods in Manchester, England,
 1914-18, 1920
 Alsace-Lorraine cartoons, 1917
 Williams College classbooks, 1917, 1923, 1942
 "The Trojan Journal", AEF newspaper on USS Troy, returning from World War I, June 23-29, 1919

Box 4:

Correspondence, 1920-22, 1924-26, 1928-29
 David Kinley (6/22/20), Eugene F. Smith (7/13/20);
 Stephen A. Forbes (6/20/24), James F. Norris (4/13/25), Samuel W. Parr (10/1/25), World
 Engineering Congress in Japan (1929)
 Congress of Industrial Chemistry, Lyon, France, 1922
 Correspondence, 1930-39

Moses Gomberg (9/21/31); Roger Adams (12/24/34), ACS presidential address (1935),
W.H. Bragg (6/15/36), G. Hevesy (11/28/36)
University of London Centenary, June 29-July 3, 1936
Water Analysis by Alfred Wanklyn (London, 1870)
Correspondence, 1940-41, 1943-44, 1946-49
Bartow Testimonial Dinner (5/23/40), William T. Hall (11/22 to 12/19/43), Sanitary Corps
service recollections of 1918 (1948)
Minutes, Iowa City Stamp Club, 1946
International Unions of Pure and Applied Chemistry, Amsterdam meeting, Aug. 14-Sept. 20, 1949
Correspondence, 1950-57
Honors, Alice Abbott Bartow Estate (1951)
Biographical sketches & obituaries, 1935, 1958-59, 1963

Box 5:

Clippings (3 folders), 1935-37
Presidency of American Chemical Society, interviews, speeches, medals, chemical research
Vita & List of Publications, (1895-1943), 1943
Publications, 1898, 1900, 1905-09, 1910-20, 1923-31, 1939, 1943
Students' theses, 1915, 1925-26, 1929, 1937

Box 6:

Manuscripts, undated
"Water Analysis Laboratories of the American Expeditionary Forces" and water supply, 1920
Early days in the organization of Illinois State Water Survey, 1905-1920
Papers and lectures on activated sludge process and sewage disposal, 1922-24
Report on water quality of the Little Tennessee River and tributaries, 1924
(prepared for Aluminum Company of America)
Some recent developments in sewage treatment, ca. 1925
Changes in the chemistry of profession, 1900-25
Report, Bureau of International Conference of Chemistry meeting, 1927
"Observations of Water Supplies of London and Paris", 1930
Report on 9th International Congress of Pure and Applied Chemistry, 1934
Report, New York meeting of American Chemical Society, 1935
The House of Chemistry, University of Arkansas speech, June 10, 1935
Society of Industrial Chemists address, October 1, 1937
International Conference on Chemistry, October 31 and November 10, 1937
Rotary Club, November 4, 1937
Filtration consultant paper, December 14, 1937
"Observations in Italy in 1938", masonic Club, 1943; Rotary Club, 1944
Papers on petroleum, 1945-46

History of Division of Water, Sewage, and Sanitation Chemistry (American Chemical Society), ca. 1948

"Chemists who have been heads of colleges and universities", ca. 1949

Research in Göttingen, Germany, 1894-95, March 17, 1949

History of American Chemical Society manuscript, 1957

Speech notes, 1920-21, 1927-28

1930-32

1934-39

1940, 1942-44, 1947, 1949

1950-53

Speech and research notes, undated

Box 7:

Autobiography, contents, illustrations, introduction, four page version, 1947-49

Family photographs for biography

Autobiography: ancestry, 12 pages +

Autobiography: childhood, 20 pages + 6

Autobiography: college, 24 pages + 21

Autobiography: University of Göttingen, 19 pages + 12

Autobiography: Life and family, 11 pages +

Autobiography: Williams College, teaching, 81 pages

Autobiography: University of Kansas, 35 pages +

Autobiography: University of Illinois, 45 pages

Autobiography: Army years, 17 pages +

Autobiography: University of Iowa, 10 pages

Autobiography: Fraternities, Clubs and Societies, 69 pages + 27

Autobiography: Japan and the Orient, 26 pages

Box 8:

Portraits, Edward Bartow, 1918-1956

Photographs 1895, 1915-16, 1921-22, ca. 1922, 1928

ca. 1895

2 German chemists in Laboratory

Group of students

1-3, 6 Shipboard

7-13 Walled City

19 Alexander Platz, Berlin

German cities

41-45 Paris

46-47 London

- 48 Luther Haus
- 48A International Chemical Council, Berlin 1912 (Autographed)
- 49-52 People, 1890's
- 53-54 Miami, Fla., storm damage
- 55-56 Norwegian
- 57 Iceberg
- 58 V. Bartow at Urbana monument
- 59-91 Friends
- 62-66 Pumping Station, Davenport Water Co., Iowa, Oct. 11, 1916
- 67-71 Water works
- 72-83 Water equipment
- 84-89 Wells & Reservoirs, Champaign-Urbana Water Co.
- 90 Lake Michigan Water Commission, Milwaukee, 1915
- 91-93 Landreth Cell & Sludge Cakes, Decatur, IL, Dec. 1916
- 94 Rock Island Pumping Station, Oct. 11, 1916
- 95 Dredge, Salt Fork Drainage Ditch, Urbana
- 96-97 House
- 98 Edward & Alice Bartow
- 99 Bartow home, Iowa City
- 100-101 House
- 102-103 Water Works
- 104 Laboratory, 1921
- 105-106 Cores
- 107-110 Glenham, NY House
- 111-112 Lady
- 113 Core
- 114-118 Water Tanks
- 119 Weeds
- 120 Country Club, Iowa City
- 121 Salisbury Cathedral
- 122 Stonehenge
- 123 Group, inc. E. Bartow, 1925
- 124-127 Family

Family

University of Illinois, ca. 1910

Bartow, Water Supply and Sewage Treatment Facility Photographs, Water Analysis
Laboratory, 1-311, April-May 1919

1-24	St. Nazaire	4	
	Savenay	10	
	Trignac Dam	1	
25-48	Trignac Dam	2	LaRochele 2

	St. Nazaire	7	Saintes	3
	Vougoin	1	Bordeaux	5
	Perigny	4		
49-73	Bordeaux	15	Orleans	1
	Coutras	1	Digon	3
	Angouleme		Langres	2
74-96	Langres	3	Allerey	7
	Is-Sur-Tille	12	Beaune	1
97-122	Beaune	3	Mesves Hospital	8
	Nevers (Mars Hospital)	13	Paris	2
123-152	Paris	1	Kerouan Hospital	7
	Brest	21		
153-180	Brest	3	Railroad	1
	Lemans	18	Sheffield, England	6
181-201	Sheffield	1	Worcester	5
	Manchester	8	Blackpool	3
	Salford	3	Paris	2
202-223	Le Mans	12	Leonval	1
	La Suze, Sarthe	1	Boucq	2
	Ceton, Sarthe	1	Grosrouvres	2
	Regnierville	1	Unknown	2
224-247	Tardenois	2	Langney	2
	Leonval	3	Boucq	1
	Grosrouvres	3	St. Michiel	5
	Montreaux, Aisne		Euvezin	1
	Chateau Thierry		Railroad	2
	Nousard Woods		Beaumont	1
	Xivray	1		
248-272	Regnierville	1	Sheffield	7
	Essen	2	Strassburg	4
	Commercy	2	Chandlerville	2
	Parnes	2	Paris	3
273-297	Sheffield	3	Hamburg	2
	Birmingham	7	Berlin	5
	Other	7	Eberswalde	1
298-311	Sheffield	5	Wuhlheide	2
	Other	5	Wilmersdorf	2

For lists of photographs, see this folder. The prints are arranged numerically in 14 envelope jackets.

Photographs, travel, 1925-27, 1928, 1930, 1936, 1938

France, 1928

(While the following sequence of photographs are dated as 1928, some of them

could also be taken in 1922, 1925, 1927, 1930 and 1936)

Steamer

Coastal fort (3)

Waterworks, Le Mans (2)

Chartres Cathedral (6)

Berry au Bac battlefield (6)

Ruined church

Rheims Cathedral (2)

Chateau

Soissons

Belleau Wood (2)

French tank monument

Private car to battle field

Switzerland

Hotel Beau Rivage, Geneva from boat (2)

Peace Palace, Geneva (2)

Views from Hotel Europe, Montreaux

Vevay & Montreaux (2)

Castle, Gruyere

Chapel, Gruyere

Dioblenets

Castle, Martigny (2)

Cantine de Prox

Waterfall

Covered Bridge, Martigny

Bus & hospice, St. Bernard (5)

Rigi Mountain (4)

Lucerne (5)

Lake Lucerne (2)

Phone glacier

Germany

Heidelberg Castle (2)

Lorelei

Rhine traffic (7)

Ehrenbreitstein, Koblenz (2)

Koblenz bridge

Ahrweiler (2)

Apollinaris Springs

Köln Cathedral (2)

Rhine bridge from Köln Cathedral (2)

Herr Imhoff & Bartow near Essen

Norway

JCW Scandinavia (11)
 Ship ceremony (3)
 Monument (6)
 Norwegian fjords (6)
 Goats, Hammerfest
 Fjords (7)
 Battleship
 Glacier (3)
 Merok
 Caribou (3)
 Prof. Hans Dahl
 Dahl House
 Waterfalls (6)
 Fjords (4)
 Alexandra Hotel (4)
 Low Countries, Luxembourg
 Hotel, Strassborg (4)
 King George's yacht
 House
 Steel Mill, Luxembourg
 Hackspill, Lowrie, Nicoladze
 Luxembourg Park (2)
 Canal
 Dredges & dikes (5)
 Man
 Unknown (6)
 Quebec & New York
 Nagantic above Quebec
 Nagantic on ship (3)
 Chief Engineer & Chief Steward, Nagantic (2)
 Kirkland Lake (2)
 New Ocean House, Swampscott
 Parade, West Point (5)
 Bear Mountain Bridge
 Bridge Pier, Hudson River
 Pier, New York
 Staten Island Bridge
 Boats on the Hudson
 New York City (5)
 House, Glenham, NY (2)
 Homestead, East Fishkill, NY (2)
 Mr. & Mrs. Hardin (2)

304 Brown, Sept. 20, 1928

Photographs, Chemists Meetings, Lucerne, Switzerland, 1936

Photographs, ca. 1937

Photograph Album

Edward and Virginia Bartow (3)

Edward and Alice Bartow (2)

Virginia Bartow (3)

E. Bartow with chemists (5)

Paris ACS Meeting (5)

European excursion (9)

Friends (11)

Friends & children (30)

Cottage (6)

State University of Iowa (2)

Photographs

Cats (3)

Chemistry Show set-up

15 chemists (ACS presidents?) ca. 1937

Assorted prints (17)

Water Purification Equipment (7)

Axel Heiberg Glacier

Penguins

In desk drawer at 28-1 & 2 are 9 boxes of glass photograph negatives.

Box 1: Round Pacific

48 unidentified slides; many with assorted numbers

Box 2:

1. Sorento Lemons
2. Cortina Golf & N. View
3. Cortina
4. Frames for Grapes on Hillside
5. Santa Lucca
6. Perugia Fountain Town Hall
7. Rome Mussolini Foruni
8. Rome Stadium Mussolini
9. Parrvano, Italy
10. Rome Public Health
11. Rome Chem. Bld.

12. Rome Univ. City
13. Rome Aqueduct
14. Coliseum Rome
15. Ostia Public W.C.
16. Well Ostia
17. Naples Pumping Water
18. Naples Harbor Vesuvius
19. Pompeii Stepping Stones
20. Pompeii Palace of Vetti
21. Vesuvius
22. Norway Fiord (Apr. 1940)
23. Norway Fiord Tourist Boat (Apr. 1940)
24. Hotel Virtanirani
15. Restaurant
26. Train Finland
27. Road Finland
28. Olandu
29. Arabic Inde
30. Boy Scouts Revel Tallinn
31. At Constanza
32. Boxphorus
33. Sinaia Roumania
34. Behal Swietoslowski France Poland
35. Swietoslowski Poland
36. St. Sophia
37. Euler Rarrer Votocea
38. Nat. Inst. Physics & Chemistry Madrid
39. New Institute of Chemistry Madrid
40. New Madrid Medical School Philosophy Center Pharmacy above Madrid
41. Ferry, Scandinavia
42. Ferry, Scandinavia
43. Farm Barn Sweden
44. Sir Wm. Pope
45. labeled #44 - beach scene
46. labeled #45 - beach scene
47. Sigismond Wroblewski (1883)
48. Charles Olszewski
49. Americans at Int. Chem. Union

Box 3:

1. Aetna

2. Sicily Cutting Wheat
3. Syracuse Quarry
4. Agrigentum Concord
5. Agrigentum Castor & Pollux
6. (Dedicatory page to the Royal Society)
7. ("Treatise on Various Cold Mineral Waters")
8. ("Treatise of four Famous Medicinal Wells")
9. ("List of Subscribers Names")
10. ("Mineral Waters of Scarborough")
11. ("History of the Mineral Waters")
12. ("Methodical Synopsis of Mineral Waters")
13. ("Methodical Synopsis of Mineral Waters")
14. William Pitt Mason (1853-)
15. Headquarters
16. Fichter & Daughter
17. unidentified (bugler & crowd at sunrise or sunset)
18. Maison de la Chimie, Paris
19. Maison de la Chimie, Paris
20. Auditorium Maison de la Chimie, Chim. & Ind. Paris, 1937
21. Rome Aqueduct
22. Auditorium Maison de la Chimie, view from platform
23. unidentified - 5 on boat
24. unidentified - 3 on boat
25. unidentified - crowd on boat
26. unidentified - 4 on boat
27. unidentified - 6 at chemists meeting
28. unidentified - 3 on boat
29. Roumanians
30. (Virginia Bartow & 12 children)
31. (numbered #71) (Waterworks in tropics)
32. (#72) (Shrine)
33. (#42) (building on pier)
34. (#25) (elaborate stone boat?)
35. (#17) (Edward Bartow with two oriental urns at building)
36. (#11) (Stone bridge)
37. (#18) (Workers, Orient?)
38. (#32) (Lady & Oriental child)
39. (#34) (Manchurian oxen with loads)
40. (#29) (Oriental Building)
41. (#84) (School children wearing Japanese flags)
42. (Map of Manchuria)
43. (#19) (Manchurian water wagon)

44. Ruaphen across Lake Taupo
45. Holloywood Village, Whaka
46. unidentified (#43) (beach & pier)
47. Monument in Blue Mts. of Australia
48. Monument in Blue Mts. of Australia
49. (#61) (two riders in barren landscape)
50. (#66) (South Pacific Ceremonial monster)
51. (#63) (Buddhist Shrine)
52. unidentified (bugler & group)
53. (Virginia Bartow & 9 children at monument)
54. Sicily Streamliner
55. Vesuvius
56. Sorento Street to dock
57. Sorento harbor
58. Sorento from South
59. Mark in Austria
60. On the Railway Platform, Constanza
61. (Netherlands map)
62. (French map of Zuider Zee polders)
63. (Chernonceux Chateau, France)
64. (French river scene, Amboise?)
65. (Seine & Notre Dame de Paris)
66. (2 SMTCE "private" open buses in France)
67. unidentified - (residences, pond, swans)
68. unidentified (canal)
69. English Representatives (13), Chim & Ind, Paris, 1937
70. Bertrand, Paris
71. Paul Walden
72. Council of Int. Chem. Union Madrid, 1934
73. U.S.A. Representatives Chim & Ind, Paris, 1937 (3 incl. E. Bartow)
74. Holland Representatives Chim & Ind., Paris, 1937
75. Giordani
76. Fritz Haber (1868-) Bond collection
77. Deleano, Roumania
78. Schenck, Germany & wife
79. Italian Representatives (10)
80. Bilman, Dane & wife
81. prof. & Mrs. Gane, in Roumania
82. Foreign Corresponding Members Acad. Sci., Span. 1934 (9)
83. Honorary Doctors (8) U. of Madrid 1934
84. Spanish Academy of Science, Madrid 1934
85. Logs in River

86. Logs in River
87. Finnish Boy Scouts on ship
88. (city building construction)
89. Constanza, Roumania (party on ship)
90. Roumania (Group at railroad train)
91. Meneghini Sorgato, Italy (2 men & Virginia Bartow)
92. Honoring Le Chatelin, Madrid 1934
93. (Seine at Paris)
94. unidentified (Stonehenge, England of Brittany)
95. (Ethylonoline ship)
96. (breakwall)
97. (coastal buildings)
98. (harbor bridges)
99. (port)
100. (party disembarking from ship)
101. (equipment)
102. (dredge)
103. (water plant)
104. (unloading truck)
105. (stacked peat?)
106. (megaliths)

Box 4:

1. unidentified (chemist)
2. Schenck, Germany
3. Betts & Bauer
4. Ruggli Bodenstein, Ruzicka Votcek
5. Dutiot, Swiss
6. Rome Lab of Cannizzaro
7. Algiers narrow Street
8. Gibraltar
9. Verona Amphitheater for Opera
10. St. Mark's Square, Venice, Campanile
11. Venice, Rialto Bridge
12. Venice, New Road
13. Padua, St. Anthony
14. Conti Barunin, Italy
15. Larderello, Gas Well
16. Larderello, recent print
17. Larderello, old print
18. Pumping Station, Florence, Italy

19. Final Filters, Florence, Italy
20. Aerators Florence, Italy
21. Florence Ponte Vecchio
22. Florence Pension
23. Orvieto St. Patrick's Well
24. Orvieto Well
25. Siena Cathedral
26. Burano Leaning Tower
27. Coarse Filters Florence, Italy
28. Sorento Excavation
29. Italy Transportation
30. Rome Aqueduct to Palatine
31. Rome Hadrians
32. Tivoli 1000 Fountains
33. Tivoli Fountain
34. Tivoli Fountain
35. Pompeii Well
36. Sorento Dock
37. Sorento from South
38. Agrigentum Zeus
39. Pestuni Neptune
40. Portugal Palace
41. St. Mark's Venice
42. Venice palace of Dogs
43. Pestuni Neptune
44. Pestuni Temples, Neptune & Basilica
45. Portugal Palace
46. Bologna Eng. Bld.
47. Fountain Bolzano
48. Portugal Palace
49. Canteen filling point with tanks at R.R. Station, Angouleme
50. Elevated tank for canteen filling point at R.R. Station Saintes, May 1, 1919

Box 5:

1. Hotel Jenolan Caves
2. Bridge Sidney
3. Auckland from a crater
4. Auckland from crater
5. View of Australian Coast
6. Rocks, Sidney Harbor
7. (#76) (hotel)

8. (#48) (Bartow party at NZ decorated building)
9. (#50) (N.Z. Govt. Tourist Inquiry office)
10. Dyeing at Whaka
11. (#82) (Maoris)
12. (#49) (railroad cars on pier)
13. (#81) (Maori dancers)
14. Hot Spring, Whaka
15. (#79) (Volcanic lake)
16. (#47) (Hotel & mountain)
17. (#74) (natural arch)
18. (#62) (geyser)
19. (#77) (boys bathing)
20. Geyser & Spring
21. Mud Spring
22. Geyser, N.Z.
23. Geyser, N.Z.
24. Fairy Pool, Rotorua
25. Hollywood Village, Whaka
26. Queen Victoria, Rotorua
27. Road at Jenolan Caves
28. Hotel at Glowworm Cave
29. Lake
30. Ruapeho
31. Huka River
32. Sanitarium, Rotarua

Box 6:

1. Diploma
2. Mears, E. F. Smith, W. T. Smith 1876
3. Theodore Liebisch
4. Walther Nernst
5. Otto Wallach
6. Pension Lotze 1895
7. American Club 1895
8. Section, scaled pipes
9. Bagged boiler tube due to scale
10. Tea kettle scale formed by use of hard water
11. Edward Bartow

Box 7:

1. Boat
2. Power Plant Varkans
3. WInt. Byndors
4. Factory Van Kan
5. Girls
6. Ferry
7. Ferry
8. Ferry
9. Lumber Kerrir

Box 8:

1. Truck Tallinn, Estonia
2. Deer
3. Deer
4. Hay field
5. Hay field
6. Hay ?
7. Kimi (Quimper)
8. unidentified (St. Sophia's Istanbul)

Box 9:

1. Aqueduct Queritino
2. Fountain Pueblo, Mex.
3. Popocatepetl, Mexico, W.S. #53 Water Supply
4. President Porfirio Diaz, Mexico W.S. #83
5. Puebla, Mexico
6. Church at Xochimilco E.B.1
7. Miscellaneous Mexican, Laundry W.S. #77
8. Natives at R.R. Station III, Mexico E.B. 4
9. Pulque Gatherer, Mex. W.S. #82
10. Steps at Guadaloupe E.B. 3
11. Market Place Mexico III E.B. 8
12. Garbage Disposal, Mexico, Cart & vultures at Vera Cruz, W.S. #81
13. Indian Maiden Water Carrier, Mexico
14. Water Barrows at Querredero, Mex.
15. Water Carrier Guanajuato, Mex.
16. Mexican Water Carrier
17. Water Filters, Mexico
18. Water Problems, Mex. W.S. #54, Lake Texcoco from the hill, Tetzcozungo
19. Water Problems, Mex. W.S. #88, Map of City & Surroundings

20. Ixlaccihuatl, Mex. W.S. #55
21. Water Problems Mex. W.S. #84, Effect of flood, Guanajuato
22. Irrigation, Mex. Chihuahua, W.S. #63
23. Water Irrigation Needs, Mex. W.S. #85
24. Water Supply, Mexico W.S. #78, Country Washing Place
25. Water Problems Mex. W.S. #90, Washing Clothes at the curb in Pueola
26. Water Supply, Mexico W.S. #66, Fountain at Queretero
27. Water Supply, Mex. W.S. #74, Prisa de la Olla, Guanajuato
28. Water Supply, Mex. W.S. #52, Waterfall
29. Water Supply, Mex. Prisa de la Olla, Guanajuato
30. Esperanza Dam, Guanajuato, Mex.
31. Drainage, Mexico W.S. #51, Nochistonzo
32. Drainage, Mex. W.S. #50, New Ditch valley of Mexico
33. Drainage, Mex. W.S. #48, New drainage ditch
34. Drainage, Mexico W.S. #49, Outfall of Drainage Ditch
35. Aquaduct from Guadaloupe, City of Mexico
36. Water Supply, Mex. W.S. #61, Aquaduct & Palace, Chapultepec
37. Floating Gardens, Mexico W.S. #56, near Santa Anita
38. Floating Gardens W.S. #58, near Tochunlco
39. Floating Gardens W.S. #59, on the Viga Canal
40. Water Supply, Mex. W.S. #47, New Aquaduct Pressure Regulators
41. Water Supply, Mex. W.S. #45, Artesian well near Tochunlco
42. Water Supply, Mex. # 71, water carrier C. of Mex.
43. Water Supply, Mex. W.S. #44, New Aquaduct in Costrucila
44. Miscellaneous Mex. W.S. #79 Country laundry
45. Water Supply, Mex. W.S. #80, Chihuahua, baltiring & washing
46. Water Supply, Mex. W.S. #65, Shrine & Fountain at Side of Aquaduct
47. Floating Gardens W.S. #7 Types of boats, our party
48. Water Supply, Mex. W.S. #60, Fountain Santa del Aqua, end of Aquaduct
49. Water Supply, Mex. W.S. #64, Aquaduct from Tacubayo
50. Viga Canal, Mex. W.S. #57, at Yxtacaleo