

The John L. Worden Collection

2013.3.99

Box 1 and 2 (2013.3.99)

1. Curriculum Vitae, 1973-1977

“5 Biographical Sketches.” [Curriculum vitae for John Worden. Includes handwritten notations. ca. 1957. 1 pp.]

“Annual Report Information.” [Annual report form filled out by Worden listing research projects, grants, publications, memberships, offices held, and work experience. Includes handwritten notations. ca. 1971. 13 pp.]

“Curriculum Vitae.” [Includes Worden’s education, work experience, health, memberships, biographical indices, publications, and family. ca. 1973. 3 pp.]

“Curriculum Vitae.” [Includes health, education, work experience, memberships, biographical indices, publications, and family. ca. 1977. 5 pp.]

“Published Writings of John L. Worden.” [List of published and unpublished publications by Worden for 1928-1953. 3 pp.]

“Published Writings of John L. Worden.” [List of published and unpublished publications by Worden for 1928-1953. Includes handwritten notations. 5 pp.]

“John L. Worden Award for Academic Excellence in Biology, St. Bonaventure University.” [Biography of John L Worden discussing the John L. Worden Award for Academic Excellence and Worden’s life and career. Includes a listing of recipients of the award from 1980 to 1999. The biography was compiled by Robert L. Worden on November 4, 1999. 3 pp.]

2. Who’s Who, Other References, 1938-1979

American Catholic Who’s Who Bibliography. [Bibliographical information and a list of John L. Worden entries in the *American Catholic Who’s Who* from 1946-1973 with copies of the entries for 1946-1947, 1954-1955, 1956-1957, and 1972-1973. 11 pp.]

American Men of Science Bibliography. [Bibliographical information and list of John L. Worden entries in the *American Men of Science* with copies of the entries for 1938, 1944, 1955, 1961, 1967, 1973, and 1979. 16 pp.]

Community Leaders of America Bibliography. [Bibliographical information and a John L. Worden submission form with biographical information and flyer for the *Community Leaders of America*. 4 pp.]

Dictionary of International Biography Bibliography. [Bibliographical information and a list of John L. Worden entries in the *Dictionary of International Biography*. Includes the 1969-1970 entry for John L. Worden with a January 20, 1971 SBU press release, biographical questionnaire with handwritten notations, a flyer for the *Dictionary for International Biography*, and biographical questionnaire ca. 1975 with handwritten notations. 8 pp.]

International Who's Who in Community Service Bibliography. [Bibliographical information and a list of John L. Worden entries with a copy of the 1973-1974 entry and a questionnaire form from 1975. 5 pp.]

Who's Who in the East Bibliography. [Bibliographical information and a list of John L. Worden entries with a copy of the biographical listing for 1964-1965, and 1976 and 1978 biographical data form. 8 pp.]

Who's Who in Education Bibliography. [Bibliographical information for *Who's Who in Education* with a list of John L. Worden entries and a copy of the 1939-1940 entry. 3 pp.]

"1975 Survey of Doctoral Scientists and Engineers." [Completed form for the 1975 survey by John L. Worden. 4 pp.]

Worden Biography. [Unidentified listing. ca. 1958. 1 pp.]

Membership list for the *American Society for Cell Biology*. [John L. Worden listing on pp. 41. 1963. 2 pp.]

Angelo, Mark. *The History of St. Bonaventure University*. [Copy of pp. 136-137, and 184-185, which mention John L. Worden. 3 pp.]

3. Press Releases and News Reports, 1937-1980

3.1 1937-1959

"History of Lenses Outlined." *Olean Times Herald* 21 Oct. 1937: 2. [Article discussing John L. Worden's talk on the development of magnifying lenses and microscopes at the Exchange Club dinner meeting.]

"Students Can Supplement Education With Reading." *The St. Bona Venture* 3 Dec. 1937: 3, 8. [Copy of the speech John L. Worden gave at the last meeting of the Alpha Kappa Mu, Pre-medical fraternity.]

“A spotted salamander...” *Olean Times Herald* ca. 1940s. [Description of event where John Worden identified a salamander that had been brought to the Times Herald office.]

“St. Bonaventure is Praised for Work in War Training Courses.” *Olean Times Herald* 1945. [Mention of John Worden in article about the praise St. Bonaventure received for its war training program.]

Stinger, Gilbert. “Generally Speaking.” *Olean Times Herald* 7 July 1947: 2. [A mention of John Worden identifying an insect, *Corydalis Cornutus*. Includes copy of the original.]

“Release: December 18, 1950.” [Press Release for an announcement of the Wesix Research project that was under the direction of John Worden. 4 pp.]

“Announces Project, Disease Resistance, Under Prof. Worden.” *The Olean News* Dec. 1950. [Article describing Wesix Research project with photograph of John Worden.]

“St. Bona U. Project Determines Ability to Resist Disease.” *Olean Times Herald* 20 Jan. 1951: 5. [Full page story of the Wesix Research Project with photograph of John Worden.]

“Former Tom Instructor is Research Director.” *St. Paul Dispatch* 23 Jan. 1951. [Report of the Wesix Research project that John L. Worden, a former St. Thomas instructor is directing. Includes copy of article.]

“South Bend Native Conducts Project on Effect of Air.” *The South Bend Tribune* 25 Jan. 1951. [Report on former South Bend Native, John Worden, and the Wesix Research project.]

Jandoli, Russell J. “How Does the Air Affect You?” *Franciscan Message* 4.8 (February 1951): 232-233. [Article on Wesix Research Project.]

“Bona Professor at Conferences.” *Olean Times Herald* 22 Jan. 1953: 3. [Article on John Worden attendance at meetings of the Committee on Electrical Techniques in Medicine and Biology of the American Institute of Electrical Engineers concerning the Wesix research project.]

“Physical Changes are Many, But Aims of Biology Program Stay Constant Through Years.” *Bonalumnus* 1.2 (March/April 1953): 3-4. [Article discussing Biology Department at St. Bonaventure, including a mention of John Worden.]

“Educator Returns from Parleys on Research Project.” *Olean Times Herald* 10 Feb. 1954: 4. [Article discussing return of John Worden from conferences on Wesix Research Project.]

“Bona Prof. Attends Meeting on Wesix Research Project.” *The Bona Venture* 28.14 (February 12, 1954): 1. [Details return of John Worden from conferences pertaining to Wesix Research Project. Includes photograph of John L. Worden.]

Desmond, Jerry. "Biology Dept. Reports Progress on Research." *The Bona Venture* 19 Feb. 1954: 3. [Report on progress made in research for the Bradford Chemical Research Grant with photograph of Worden.]

"Release: Thursday, March 25, 1954." [Press Release on the first results of Wesix research project presented at the American Chemical Society's national meeting by John Worden. Includes handwritten notations. 4 pp.]

Plumb, Robert K. "'Ion' Conditioning of Man Suggested." *New York Times* 25 Mar. 1954: 10. [Article relating to presentation given by Worden at the American Chemical Association meeting about the results of experiments performed by Worden relating to ions. One typed copy and one copy of the newspaper article are attached to the original. 4 pp.]

"Pocket-Size Kit is Developed to Test Sugar Amount in Blood." *The Kansas City Times* 25 Mar. 1954:10. [Article relating to presentation given by Worden at the American Chemical Association meeting about the results of experiments performed relating to ions.]

"Bad Temper Blamed on Air Molecules." *Buffalo Courier-Express* 25 Mar. 1954: 12. [Article reporting on presentation given by Worden at the American Chemical Association meeting about the results of experiments performed relating to ions.]

"Feel Low? Turn Up the Ions, St. Bona Scientist Advises." *Buffalo Evening News* 25 Mar. 1954. [Article discussing presentation given by Worden at the American Chemical Association meeting about the results of experiments performed.]

"Turn Up the Ions—Improve Tempers." *Burlington Free Press* 25 Mar. 1954. [Article discussing presentation given by Worden at the American Chemical Association meeting about the results of experiments performed.]

"All Done with Ions?: They May Decide How You Feel." *Olean Times Herald* 25 Mar. 1954. [Article discussing presentation given by Worden at the American Chemical Association meeting about the results of experiments performed by Worden relating to ions.]

"For Release." [Press release discussing the presentation given by Worden on air-ionization study at the American Physiological Society in New Jersey in April 1954. 4 pp. Includes typed copy. 2 pp.]

"Negative Ions in Air Give You Pep, Scientists Find." *San Francisco Examiner* 16 Apr. 1954. [Article discussing presentation given by Worden at the American Physiological Society meeting.]

Kaempffert, Waldemar. "Beware of Food Faddists as Well as Fat Foods, A Leading Nutritionist Tells the Public." *New York Times* 25 Apr. 1954: E11. [Article discussing presentation given by

Worden at the American Physiological Society meeting. Includes one copy and two original articles.]

“Ionization.” *New York Times* 9 May 1954: 11. [Brief article on ionization study.]

“Prof. Worden to Get Honor Degree Sunday.” *Olean Times Herald* 2 June 1956: 3. [Brief article mentioning Worden as a doctoral degree recipient.]

“Bad Weather Fails to Halt Ninety-Sixth Annual Ceremony.” *Olean Times Herald* 4 June 1956: 1. [Article discussing the 96th annual commencement ceremony where Worden received the degree of doctor of philosophy.]

“Of Ions and Men.” *MD Medical Newsmagazine* 1.1 (January 1957): 34-35. [Article mentioning Worden’s research relating to ions.]

“Work of St. Bona Scientist Reported in Newsmagazine.” *Olean Times Herald* 25 Feb. 1957: 5. [Article describing Worden’s research and the publication in MD Medical Newsmagazine. Includes typed copy of OTH article and article in MD Medical Newsmagazine. 7 pp.]

“Ion Discoveries Were Started in Bona Lab.” *Olean Times Herald* 10 June 1959: 6. [Article mentioning Worden’s work on ions.]

3.2 Press Releases and News Reports 1960-1980

“Bona Professor Included on National Panel.” *Bonaventure* (?) 1 June 1961. [Article discussing Worden’s membership in the American Society of Cell Biologists.]

“Bona Professor Wins National Recognition.” *Bonaventure* (?) 1961. [Article describing Worden’s publication in *Journal of the National Cancer Institute* about his ion experiment.]

“St. Bonaventure Professor Cited For Ion Research.” *Olean Times Herald* 1961. [Article discussing national recognition of ion research.]

Duffee, Richard A., and Howard G. Schutz. “Atmospheric Ions and Human Behavior.” *Battelle Technical Review* 10.6 (June 1961): 5-10. [Article mentioning John Worden and his research on ionization (p. 9).]

“Worden Wins Acclaim.” *Bonami* 21 July 1961: 1. [Article discussing the national recognition Worden received for his research. Includes full issue of *Bonami*. 11 pp.]

Wieland, Paul. “Hamsters Aid Bona Air Study.” *Buffalo-Courier Express* 28 Jan. 1962: 8. [Article discussing experiments and results of air ionization study with photograph of Worden.]

“St. Bonaventure Testimonial Honors Veteran Faculty Members.” *Olean Times Herald* 17 May 1962. [Photo of John Worden with several others at a testimonial dinner.]

“Dr. Worden Named County Chairman.” *Olean Times Herald* 12 Sept. 1963: 3. [Brief article stating the appointment of Worden to the Nominating Committee of the Cattaraugus County Unit of the American Cancer Society.]

Avagliano, Jim, Jim Brown, and Kevin Loweree. “Worden, Hartman, Jacques Probe Mysteries.” *Bona Venture* 1966. [Last article in a three part series on biology department research. This article discusses Worden’s current classes and research and includes photograph of Worden.]

“Medical Course to be Offered at St. Bona.” *Olean Times Herald* 10 Sept. 1970. [Article discussing Medical Emergency Training Course offered by MET Program Coordinator, John Worden.]

“Expect 40 Will Enroll For Medical Emergency Class.” *Olean Times Herald* 24 Sept. 1970. [Article on Medical Emergency Training Program coordinated by Worden with photograph of Worden at dinner meeting.]

“For Immediate Release.” January 20, 1971. [Press release stating Worden has been cited in biographical directory.]

“Offer Medical Course at Bona.” *Olean Times Herald* 2 Apr. 1971. [Article on Medical Emergency Training Course.]

“41 Complete Course on Emergency Treatment.” *Olean Times Herald* 6 June 1971. [Article on completion of Medical Emergency Training Course.]

“St. Bona to Honor Educators.” *Olean Times Herald* 1973. [Brief article mentioning 25 years of service for John Worden and others.]

“Dr. John Worden Given Emeritus Rank at St. Bona.” *Olean Times Herald* 25 May 1973: 4. [Article announcing retirement of Worden and his conferral as professor emeritus.]

“Faces Up Front.” *Lifelines* 2.8 (June 1974): 3. [Article describing Worden and others’ efforts to expand and improve emergency medical services with photograph of Worden.]

“Dr. Worden is Treasurer of Committee.” *Olean Times Herald* 12 Aug. 1974: 2. [Article mentioning election of Worden to Treasurer of Lakes Area Emergency Medical Services with photograph of Worden.]

“Realism Added to Emergency Training Class.” *Olean Times Herald* 13 Nov. 1974: 2. [Article discussing emergency medical technician training courses at Bonas.]

“Medical Emergency Course Completed by Local Residents.” *The Allegany Citizen* 23 Jan. 1975: 4. [Article discussing emergency medical technician training courses at Bonas.]

“Elsie Jane Beck to Head County EMS Committee.” *Olean Times Herald* 15 Mar. 1975: 6. [Brief article naming officers for EMS Committee. John Worden listed as coordinator of EMS Service.]

“Health Care Program Director Resigns Post.” *Olean Times Herald* 9 Apr. 1975. [Brief mention of Worden in article about the resignation of a Health Care program director.]

“Crash Extrication Course Offered by EMS Division.” *Olean Times Herald* 9 Apr. 1975: 3. [Brief article about crash extrication course with Worden listed as contact person.]

“Crash Extrication Course to be Offered at Hamburg in May.” *Allegany Citizen* 10 Apr. 1975. [Brief article about crash extrication course with Worden listed as contact person.]

“55 End Course on Medical Aid.” *Buffalo Courier-Express* 8 May 1975. [Brief article describing completion of medical training program coordinated by Worden.]

“55 Complete Emergency Medical Training Course.” *Olean Times Herald* 7 May 1975: 9. [Article describing completion of medical training program coordinated by Worden.]

“The Life They Save.....” *Olean Times Herald* 28 May 1975: 3. [Article describing crash extrication course.]

“Ambulances and Hospitals to Get Two-Way Radios.” *Olean Times Herald* 8 July 1975: 3. [Article mentioning Worden’s involvement with obtaining radio equipment for ambulances and hospitals.]

“To the Common Council...” *Olean Times Herald* January 1978. [Decree by Mayor of Olean to appoint Worden as Special Policeman for 1978. Included is a copy of the city of Olean decree.]

“EMT Trainees Rate High in State Tests.” *Olean Times Herald* 18 Jan. 1978: 8. [Article describing certification for EMTs who took part in Emergency Medical Training course.]

“EMT Instruction Scheduled at Bona.” *Olean Times Herald* 3 Aug. 1978: 2. [Article about EMT training course held at Bonaventure.]

“Olean Firemen Expand EMT Skills.” *Olean Times Herald* 11 Jan. 1979. [Article about Olean firemen taking training course coordinated by Worden.]

“Class Notes.” *Notre Dame Magazine* 8.1 (February 1979): 50. [Brief update on Worden and his achievements.]

“Funeral Services For: Dr. John L. Worden.” *Olean Times Herald* 19 Apr. 1979: 8. [Brief mention of funeral services for Worden.]

“Dr. John L. Worden.” *Olean Times Herald* 17 Apr. 1979: 8. [Brief obituary for Worden.]

“J.L. Worden Dies; Biology Professor.” *Buffalo Courier-Express* 18 Apr. 1979: 22. [Obituary for Worden.]

“Dr. John L. Worden Dies; Ex-Bonaventure Professor.” *Buffalo Evening News* 18 Apr. 1979: 48. [Obituary for Worden.]

“John L. Worden Dead at Age 71.” *Olean Times Herald* 18 Apr. 1979. [Obituary for Worden with a photograph.]

“Worden.” *The South Bend Tribune* 18 Apr. 1979: 41. [Brief obituary for Worden.]

“Dr. John L. Worden.” *Olean Times Herald* 21 Apr. 1979: 12. [Funeral notice for Worden.]

“Walsh Foundation Lists January-May Memorial Gifts.” *Olean Times Herald* 11 June 1980. [Worden memorial gift given to Walsh Foundation by Robert L. Worden.]

“John Worden Dead at 71.” *Bonalumnus* (Summer 1979): 12. [Obituary for Worden with a photograph of Worden.]

“\$1,300+ donated to Worden Fund.” *Bonalumnus* (Fall 1979): 4. [Article about donations given to Worden fund in memory of John Worden.]

“Estates and Bequests.” *Bonalumnus* (Fall 1979): 10. [Information on memorials for John Worden to the University.]©

“Class Notes.” *Notre Dame Magazine* 8.3 (July 1979): 40. [Brief mention of the passing of Worden.]

“Dr. Worden Remembered.” *Bonalumnus* (February 1980): 3. [Brief article about a book presented to Friedsam Library in memory of Worden.]

“Estates and Bequests.” *Bonalumnus* (February 1980): 10. [Article mentions memorials given to the University for the John L. Worden Memorial.]

“Memorials from Proceedings of the Ninety-Fourth Meeting American Association of Anatomists, April 1981.” *The Anatomical Record* 201.2 (October 1981): 356. [Reprint of the original journal. A picture of Worden is on p. 356, along with an obituary written by Stephen Eaton on p. 375.]

4. Writings

4.1 Science Studies Publication History, 1934-1954

Science Studies Publication History: 1934-1954. [Publication information for *Science Studies*, which also includes a listing of entries by John Worden in the publication. 1 pp.]

4.2 A Quantitative and Qualitative Bacteriological Examination of the Milk Used in the Notre Dame University Dining Halls, 1928

“A Quantitative and Qualitative Bacteriological Examination of the Milk Used in the Notre Dame University Dining Halls.” University of Notre Dame, 1928. [A dissertation written by John Worden and submitted on May 12, 1928. 17 pp.]

4.3 Wanderings of the Filariid Worm, *Icosiella quadrituberculata*, in the Bull Frog, 1933

Giesen, John, and John L. Worden. “Wanderings of the Filariid Worm, *Icosiella quadrituberculata*, in the Bull Frog.” *The Journal of Parasitology* 20.2 (December 1933): 130. [Abstract of paper presented at the Helminthological Society of Washington on April 15, 1933. 5 pp.]

4.4 Leeuwenhoek-Observer, 1934

“Leeuwenhoek-Observer.” *Science Studies* 2.1 (1934): 7-9. [*Science Studies* is published at St. Bonaventure University. 4 pp.]

4.5 A Laboratory Manual of Vertebrate Embryology, 1935

Vecchierello, Hubert, and John L. Worden. *A Laboratory Manual of Vertebrate Embryology*. Paterson, NJ: St. Anthony Guild Press, 1935. [The title page lists a second printing in 1948 and a second edition in 1956.]

4.6 The Biology of Multiple Births, 1935

Vecchierello, Hubert. “The Biology of Multiple Births.” *Science Studies* 3.2 (January 1935): 1-6. [John Worden provided the illustrations for the article. 7 pp.]

4.7 Multiple Births in Humans With Reference to the Dionne Quintuplets, 1935

“Multiple Births in Humans With Reference to the Dionne Quintuplets.” *Science Studies* 3.2 (January 1935): 6-8. [4 pp.]

4.8 Modern ‘Medicine’, 1934

“Modern ‘Medicine’.” *Science Studies* 2.3 (Spring 1934): 20-23. [5 pp.]

4.9 The Endocrine System, 1935

“The Endocrine System.” *Science Studies* 3.4 (June 1935): 15-17. [4 pp.]

4.10 The Catholic Round Table of Science, 1935

“The Catholic Round Table of Science.” *Science Studies* 4.1 (November 1935): 4-6. [4 pp.]

4.11 On Not Catching Cold, 1936

“On Not Catching Cold.” *Science Studies* 4.2 (January 1936): 17. [2 pp.]

4.12 Noteworthy Periods in the Development of the Science of Embryology, 1936

Vecchierello, Hubert, and John L. Worden. “Noteworthy Periods in the Development of the Science of Embryology.” *Science Studies* 4.3 (March 1936): 17-18. [3 pp.]

4.13 Clinical Aspect of Rhus Dermatitis, 1936

“Clinical Aspect of Rhus Dermatitis.” *Science Studies* 4.4 (June 1936): 22-23. [3 pp.]

4.14 Centenary of Telegraphy, 1937

“Centenary of Telegraphy.” *Science Studies* 5.2 (January 1937): 24-25. [3 pp.]

4.15 The Physiologist, 1937

“The Physiologist.” *Science Studies* 5.4 (June 1937): 8-10. [4 pp.]

4.16 Cause and Treatment of Pollinosis, 1937

“Cause and Treatment of Pollinosis.” *Science Studies* 5.4 (June 1937): 12-13. [3 pp.]

4.17 Saints in Medicine, 1937

“Saints in Medicine.” *Science Studies* 6.1 (November 1937): 8-9. [3 pp.]

4.18 'Round the World in Thirty Hours, 1938

“'Round the World in Thirty Hours.” *Science Studies* 6.3 (March 1938): 3. [2 pp.]

4.19 First-Aid for the Gardener, 1938

“First-Aid for the Gardener.” *Madison Cooper's Gardening Magazine* 2.6 (June 1938): 157.

4.20 A Review of the Parthenogenetic Methods, 1938

Worden, John L., Mary Margaret Jones, and Glenn W.S. Humphreys, Jr. “A Review of the Parthenogenetic Methods.” *Science Studies* 6.4 (June 1938): 16-17. [Also includes bibliographical information for “La parthenogenese naturelle et experimentale.” 5 pp.]

4.21 Madison Cooper's Gardening Magazine, 1938

“Mealy Bug on Gardenia.” *Madison Cooper's Gardening Magazine* 2.8 (August 1938): 216.

“Refinishing Antique Furniture. *Madison Cooper’s Gardening Magazine* 2.8 (August 1938): 218. [Includes copy of questions Worden was answering in his articles. They are in the May 1938 issue on page 146.]

4.22 Index for the Years 1932 to 1938

“Index for the Years 1932 to 1938.” *Science Studies* 7.1 (November 1938): 5-12. [9 pp.]

4.23 An Introduction to Hydroponics (Soilless Plant Growth), 1939

“An Introduction to Hydroponics (Soilless Plant Growth).” *Science Studies* 7.3 (February 1939): 8-10, 18. [4 pp.]

4.24 The Eye—A Camera, 1939

“The Eye—A Camera.” *Science Studies* 7.4 (June 1939): 6-8. [4 pp.]

4.25 Powdery Mildews in the Region of St. Bonaventure College, 1939

“Powdery Mildews in the Region of St. Bonaventure College.” *Science Studies* 8.1 (November 1939): 5-7. [4 pp.]

4.26 Book Reviews: *Personal and Community Health*, 1939

“Book Reviews: *Personal and Community Health*.” *Science Studies* 8.1 (November 1939): 25. [2 pp.]

4.27 Bamboo—Mankind’s Most Valuable Plant, 1940

“Bamboo—Mankind’s Most Valuable Plant.” *Science Studies* 8.2 (January 1940): 19-22. [5 pp.]

4.28 Deserted Homes and Plants, 1940

Worden, Leone E., and John L. Worden. “Deserted Homes and Plants.” *Science Studies* 8.3 (March 1940): 22-23, 25. [4 pp.]

4.29 Book Reviews, 1941

“Book Reviews.” *Science Studies* 9.3 (March 1941): 32. [Reviews of *The Anatomy of the Cat*; *The Anatomy of the Necturus*, and *The Anatomy of the Bull Frog*. 2 pp.]

4.30 Index for the Years 1938-1941

“Index for the Years 1938-1941.” *Science Studies* 10.1 (November 1941): 4-8. [6 pp.]

4.31 Some of the Commoner Protozoa of Our Region, 1942

Vecchierello, Hubert, John L. Worden, and Leone Worden. "Some of the Commoner Protozoa of Our Region." *Science Studies* 10.2 (January 1942): 18-19. [3 pp.]

Vecchierello, Hubert, John L. Worden, and Leone Worden. "Some Protozoa of Our Region: Part II." *Science Studies* 10.3 (March 1942): 18-19. [3 pp.]

4.32 Decennial Index, 1942

Vecchierello, Hubert, and John L. Worden. "Decennial Index." *Science Studies* 10.4 (June 1942): 3-28. [Supplement. 27 pp.]

4.33 Experiments in Physics, 1943-1944

Hoffman, P.H. and J.L. Worden. "Experiments in Physics for The Army Specialized Training Program." [Base Phase Curriculum for three terms, Physics 304, 305, 306 for 1943-1944. Physics 305 is co-written by Louis Foley, P.H. Hoffman, and J.L. Worden. 145 pp.]

4.34 A Glance at the Science Division: The Department of Biology, 1948

"A Glance at the Science Division: The Department of Biology." *Science Studies* 14.2 (April 1948): 10-15.

4.35 Miscellaneous Reports from St. Bonaventure University Wesix Project, 1950-1951

"Misc. Reports from St. Bonaventure University Wesix Project." [Miscellaneous reports on research from July 28, 1950 through July 18, 1951. 69 pp.]

4.36 Effects of Unipolar Ionized Air on the pH of the Blood of the Golden Hamster, 1950-1951

"Effects of Unipolar Ionized Air on the pH of the Blood of the Golden Hamster." (December 1950 and March 1951). [Unpublished report with handwritten material throughout. The items are related to the Wesix Research project. 50 pp.]

4.37 The Effects of Unipolar Ionized Air on Nerve Regeneration Rate, 1951

"The Effects of Unipolar Ionized Air on Nerve Regeneration Rate." (February 1951) [Unpublished report, which includes information on the Wesix Research Project for January 21, 1951 through April 15, 1951. 5 pp.]

4.38 Effects of Unipolar Ionized Air on the Rate of Growth in the Golden Hamster, 1951

“Effects of Unipolar Ionized Air on the Rate of Growth in the Golden Hamster.” (April 1951) [Unpublished report with handwritten notes on some pages. 50 pp.]

4.39 Seed Germination and Seedling Growth, 1951

“Seed Germination and Seedling Growth.” (April-June 1951) [Folder includes three groups of photos.]

4.40 Effect of Unipolar Ionized Air on Red and White Blood Cell Counts and on Percent of Hemoglobin in the Blood of Hamsters, 1951

“The Effect of Unipolar Ionized Air on Red and White Blood Cell Counts and on Percent of Hemoglobin in the Blood of Hamsters.” (May 9, 1951) [Unpublished report for the Wesix Research Foundation. 8 pp.]

4.41 Incidence of Mold Spores in Ionized and Normal Atmospheres (A Preliminary Report), 1951

“The Incidence of Mold Spores in Ionized and Normal Atmospheres (A Preliminary Report)” (May 22, 1951) [Unpublished report for the Wesix Research Foundation. Handwritten label on cover: Molds I. Includes photographs. 7 pp.]

4.42 Time of Physiologic Response to Ionized Air: Recovery from Shock, 1951

“Time of Physiologic Response to Ionized Air: Recovery from Shock.” (June 1951) [Unpublished report for the Wesix Research Foundation. 20 pp.]

4.43 The Effects of Unipolar Ionized Air on the Co₂ Combining Power of Blood Plasma and Computed pH, 1951

“The Effects of Unipolar Ionized Air on the Co₂ Combining Power of Blood Plasma and Computed pH.” (June 15, 1951). [Unpublished report for the Wesix Research Foundation. Includes unbound items with handwritten notes and illustrations. 29 pp.]

4.44 The Incidence of Mold Spores in Ionized and Normal Atmospheres, 1951

“The Incidence of Mold Spores in Ionized and Normal Atmospheres.” (July 19, 1951) [Unpublished report for the Wesix Research Foundation. Handwritten label on cover: Mold II. 4 pp.]

“The Incidence of Mold Spores in Normal and Ionized Atmospheres.” (May 22, July 18, 1951). [Unpublished report for the Wesix Research Foundation. Folder only includes paper with two labels attached.]

4.45 The Effect of Unipolar Ionized Air on the Relative Weight of Selected Organs of the Golden Hamster, 1952

“The Effect of Unipolar Ionized Air on the Relative Weight of Selected Organs of the Golden Hamster.” (January 15, 1952) [Unpublished report for the Wesix Research Foundation. 8 pp.]

“The Effect of Unipolar Ionized Air on the Weight of Certain Organs of the Golden Hamster.” (January 29, 1952) [Unpublished report for the Wesix Research Foundation. 14 pp.]

4.46 Tissue Repair: The Effect of Unipolar Ionized Air on the Rate of Healing of Cutaneous Incisions, 1951

“Tissue Repair: The Effect of Unipolar Ionized Air on the Rate of Healing of Cutaneous Incisions.” (June 9, 1951) [Unpublished report for the Wesix Research Foundation. Includes photographs. 36 pp.]

4.47 Tissue Repair: The Effect of Unipolar Ionized Air on the Rate of Healing of Cutaneous Incisions, 1953

“Tissue Repair: The Effect of Unipolar Ionized Air on the Rate of Healing of Cutaneous Incisions.” (June 9, 1953) [Unpublished report for the Wesix Research Foundation. Includes photographs and handwritten notes. 36 pp.]

4.48 Tissue Explants (Preliminary Report), 1953

“Tissue Explants (Preliminary Report)” (August 15, 1953) [Unpublished report for the Wesix Research Foundation. Includes charts and W. Wesley Hicks business card attached with note, “letter follows---thanks.” 104 pp.]

4.49 The Effects of Evipal on the Golden Hamster, 1953

“The Effects of Evipal on the Golden Hamster.” [Pamphlet reprinting the article: “Hypnotic, Anesthetic and Toxic Effects of Sodium N-Methyl-Cyclohexenyl-Methyl-Barbituric Acid (Evipal) on the Golden Hamster.” *Science Studies* 15 (December 1953): 28-39.]

4.50 Introduction to Air Ions, 1953

“Introduction to Air Ions.” *Science Studies* 15 (December 1953): 63-70.

4.51 The Effect of Ionized Air on Organ Weights, 1953

“The Effect of Ionized Air on Organ Weights.” [Pamphlet reprinting the article: “The Effect of Unipolar Ionized Air on the Relative Weights of Selected Organs of the Golden Hamster.” *Science Studies* 15 (December 1953): 71-82.]

“The Effect of Unipolar Ionized Air on the Relative Weights of Selected Organs of the Golden Hamster.” *Science Studies* 15 (December 1953): 71-82.

4.52 The Effect of Unipolar Ionized Air on the Hydrogen Ion Concentration of Vertebrate Blood, 1954

“The Effect of Unipolar Ionized Air on the Hydrogen Ion Concentration of Vertebrate Blood.” *Abstract of Papers* (1954): 2C. [Abstract of article published for the 125th meeting of the American Chemical Society held in Kansas City, MO from March 24 to April 1, 1954.]

“The Effect of Unipolar Ionized Air on the Hydrogen Ion Concentration of Mammalian Blood.” [Manuscript for the Journal of the American Chemical Society to be presented at the Division of Biological Chemistry of the American Chemical Society’s 125th National Meeting. Includes handwritten notes. 12 pp.]

“The Effect of Unipolar Ionized Air on the Hydrogen Ion Concentration of Mammalian Blood.” [Advanced copy with no annotations for the Division of Biological Chemistry of the American Chemical Society’s 125th National Meeting. Includes handwritten notes with “Beckett’s Revised copy” and Corrections noted 5/5/54 JB” written on the top of the title page. 11 pp.]

“The Effect of Unipolar Ionized Air on the Hydrogen Ion Concentration of Mammalian Blood.” [Advanced copy with no annotations for the Division of Biological Chemistry of the American Chemical Society’s 125th National Meeting. 12 pp.]

4.53 The Effect of Air-Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma, 1954

“Effect of Air-Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma.” *Federation Proceedings* 13.1 (March 1954): 168. [Abstract of article presented at the American Physiological Society’s 72nd meeting held in Atlantic City, April 12-16, 1954.]

“The Effect of Air-Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma.” *Science Studies* 16 (October 1954): 81-90.

4.54 Physiological Response to Air Ions, 1956

Physiological Response to Air Ions. [Dissertation submitted to St. Bonaventure University for a Doctor of Philosophy Degree. 1956. vii. 76 pp.]

4.55 Air-Ion Concentration and the Growth of Cells In Vitro, 1956

Worden, John L., and James R. Thompson. “Air-Ion Concentration and the Growth of Cells In Vitro.” [Typed copy of abstract of a paper to be presented at the Seventh Annual Meeting of the Tissue Culture Association, April 3-6, 1956 in Milwaukee.]

Worden, John L., and James R. Thompson. "Air-Ion Concentration and the Growth of Cells In Vitro." *The Anatomical Record* 124.2 (February 1956): 500. [Abstract of paper presented at the 69th meeting of the American Association of Anatomists in Milwaukee, April 4-6, 1956.]

4.56 The Development of New Bactericides and Flood Water Treatment Based Upon the Physiology of the Sulfate Reducing Bacteria, 1958

Anderson, Kenneth E., Regina Lanigan, Francis Liegey, John Worden, Frank Yackovich, and Austin Finan. "The Development of New Bactericides and Flood Water Treatment Based Upon the Physiology of the Sulfate Reducing Bacteria." [Reprint of article published in *Producers Monthly* 22.10 (August 1958): 10-25.]

4.57 Proliferation of Mammalian Cells in Ion-Controlled Environments, 1961

"Proliferation of Mammalian Cells in Ion-Controlled Environments." [Reprint of article published in *Journal of the National Cancer Institute* 26.4 (April 1961): 801-811. Includes handwritten notations.]

"Proliferation of Mammalian Cells in Ion-Controlled Environments." *Journal of the National Cancer Institute* 26.4 (April 1961): 801-811.

4.58 Some Biological Effects of Air Ionization, 1961

"Some Biological Effects of Air Ionization." [Typescript of a paper presented at the International Conference on Air Ionization in Philadelphia, October 16-17, 1961. 40 pp.]

"Some Biological Effects of Air Ionization." [Published copy of paper presented at the International Conference on Air Ionization in Philadelphia, October 16-17, 1961. 24 pp.]

4.59 The Population Explosion, 1963

"The Population Explosion." [Unpublished paper with handwritten notations. ca. 1963. 20 pp.]

"Exploding Population." [Includes handwritten notes. ca. 1963. 21 pp.]

4.60 Invertebrate Cell Culture: In Vitro Maintenance of *Lumbricus terrestris* Cells and Cell Aggregates, 1966

Borer, Arnold T., and John L. Worden. "Invertebrate Cell Culture: In Vitro Maintenance of *Lumbricus terrestris* Cells and Cell Aggregates." *The Journal of Cell Biology* 31.2 (November 1966): 137A. [Abstract of paper presented at the 6th annual meeting of the American Society for Cell Biology in Houston, November 17-19, 1966.]

4.61 Minimal Anatomical Requirements for the Regeneration of *Pelmatohydra oligactis* (Pallas), 1966

Uicker, Robert J., and John L. Worden. "Minimal Anatomical Requirements for the Regeneration of *Pelmatohydra oligactis* (Pallas)." *In Vitro* 2 (1966): 152-153. [Abstract of paper presented at the 17th annual meeting of the Tissue Culture Association in San Francisco, May 31-June 3, 1966.]

4.62 Eleocytic Aggregates in *Lumbricus Terrestris*, 1967

Borer, Arnold T., and John L. Worden. "Eleocytic Aggregates in *Lumbricus Terrestris*." *In Vitro* 3 (1967): 194. [Abstract of paper presented at the 18th Annual meeting of the Tissue Culture Association in Philadelphia, June 4-7, 1967.]

4.63 In Vitro Growth and Multiplication of Two Cell Lines from *Lumbricus Terrestris*, 1968

Borer, Arnold T., and John L. Worden. "In Vitro Growth and Multiplication of Two Cell Lines from *Lumbricus Terrestris*." *In Vitro* 4 (1968): 125. [Abstract of paper presented at the 19th annual meeting of the Tissue Culture Association in San Juan, June 10-13, 1968.]

5. Correspondence, 1949-1980

Letter, December 13, 1940. [Letter from Fr. John Faurot (?), Director of St. Anthony's Guild to Marius Risley, editor of the Laurel pertaining to the attached copy of a photograph of Friedsam Memorial Library. 1 pp.]

Letter, July 17, 1949. [Thank you letter from Very Rev. Juvenal Lalor to Mr. and Mrs. John L. Worden. Attached is the original envelope. 1 pp.]

Letter, September 13, 1949. [Letter to John Worden from Very Rev. Juvenal Lalor in response to JLW's willingness to help with the Graduate School at SBU. Attached is the original envelope. 1 pp.]

Letter, January 16, 1950. [Letter to the Chief of Engineering Development Division at the Armed Services Medical Procurement Agency from John L. Worden relating to research on the use of plastic materials in skeletal repair and replacement and sponsorship of the project. [1951?] written at the top. 1 pp.]

Letter, January 22, 1951. [Letter from Earl Whitmore to John L. Worden directing his inquiry on sponsorship of skeletal repair research to the Research and Development Board in the Surgeon General's Office. Includes handwritten notations. 1 pp.]

Letter, January 27, 1951. [Letter from Fred Keller to Mr. and Mrs. John L. Worden relating to their son's work. Includes a handwritten note. 1 pp.]

Letter, February 8, 1951. [Letter from John L. Worden to the Research and Development Board of the Bureau of Medicine and Surgery regarding skeletal repair research and sponsorship of the project. 1 pp.] (2 copies)

Letter, March 21, 1951. [Letter from F.H. Quimby of the Physiology Branch of the Office of Naval Research. 1 pp. Enclosed with the letter is a guide for a formal proposal, which JLW must submit for consideration of his research project by the department. 1 pp. Attached are two outlines of the research project. 1 pp.]

Letter, October 21, 1951. [Letter from John L. Worden to the Executive Direction of the Muscular Dystrophy Association of America asking for information about a research grant. 1 pp. Attached is four pages of grant recipients with a card from the association.]

Letter, June 11, 1953. [Letter from Fr. Vincent (Office of Studies) to Father/Professor discussing draft boards and obtaining the grades of students. 1 pp.]

Letter, April 13, 1962. [Letter from Rev. Cornelius A. Welch to John L. Worden discussing the budget for the biology department and inventory. 1 pp.]

Letter, January 29, 1963. [Letter from Thomas T. Holme from the Society of Sigma XI for the Encouragement of Scientific Research to John Worden. 1 pp. Enclosed with the letter is a copy of Dr. Sax's paper, "The World's Exploding Population." 17 pp. Also included is a page of handwritten notes and a letter (January 18, 1963 from Frederick Rossini, President of The Society of Sigma Xi regarding Dr. Karl Sax's paper. 1 pp.]

Letter, January 26, 1967. [Letter from Francis Wm. Kearney to Mr. and Mrs. John L. Worden thanking them for gift to the Biology Department. 1 pp.]

Letter, December 15, 1972. [Letter from Al F. Finocchio, Chairman of SBU's Biology Department thanking them for their gift of text and reference books, instruments, and equipment to the department. 1 pp.]

Letter, April 7, 1973. [Letter from John Worden to the librarian of the W. Alton Jones Cell Science Center regarding a gift of journals. Includes handwritten notations. 1 pp.]

Letter, June 12, 1973. [Letter from Al F. Finocchio to Mr. and Mrs. John Worden regarding their gift of reference and text books to the Biology Department at SBU. (Includes notation in pen.) 1 pp.]

Letter, January 21, 1974. [Letter from E.B. Wright of the Tissue Culture Association to John Worden regarding his gift of journals to the George and Margaret Gey Library. 1 pp.]

Letter, February 25, 1974. [Letter from M.K. Patterson, Jr. to John Worden regarding a request for Emeritus status. 1 pp.]

Letter, February 28, 1974. [Letter from John Worden to Dr. M.K. Patterson, Jr. regarding application for Emeritus status as a member of the Tissue Culture Association. 1 pp. Attached to the letter is an article from the Olean Times Herald regarding Worden's emeritus rank at St. Bonaventure.]

Letter, July 23, 1975. [Letter from John A. Macik, Library Director at Friedsam Memorial Library, to John Worden regarding four memorial books that were given by Worden to the library. Includes notation written in pen. 1 pp]

Letter, July 28, 1975. [Letter from Natalia Stahl, Librarian at George and Margaret Gey Library, to John Worden regarding the gifts given by Worden to the library in 1973. Includes handwritten notations. 1 pp.]

Letter, January 17, 1976. [Handwritten letter from Evadne Chin to Dr. Worden regarding family. 2 pp.]

Letter, August 9, 1976. [Letter from Albert Gordon of the American Association of Emeriti regarding interest in a health plan. Handwritten on the letter is an inquiry by Albert as to the date of Fr. Thomas Plassmann's death and memories of Worden's days at St. Thomas. 1 pp. Attached to the letter is a note to Fr. Timothy regarding Plassmann inquiry, a handwritten draft of a reply to Gordon, and envelope.]

Letter, December 1, 1976. [Handwritten letter from Vivienne Tai to John L. Worden in regards to family her and professional career. Attached is envelope.]

Letter, July 29, 1978. [Letter from Sr. Ruth Morkin to Mr. and Mrs. John L. Worden regarding life and remembrances. 4 pp. Envelope is attached.]

Letter, March 1980. [Letter from Leone E. Worden to Richard Vossler about the Worden Memorial Fund. 1 pp. Attached is a proposal for the fund. 2 pp.]

6. Engineering, Science, and Management War Training, 1942-1945

Letterhead. [4 pp. of blank stationery with St. Bonaventure College at the top, and Engineering, Science, and Management War Training In Cooperation with Federal Security Agency, U.S. Office of Education below.]

Course Lists. [Course listings for Chemistry, Physics, and Management with handwritten notations. 6 pp.]

Course List. [Course list by number. Red typewriting with handwritten notations. 1 pp.]

Course List. [Course listing by number with handwritten notations. 1 pp.]

“Training Councils – WMC Region II – ESMWT Representatives.” [Information for regional representatives. May 29, 194?. Handwritten notations on back of paper. pp.]

Letter, November 5, 1942. [Letter from George W. Case to ESMWT Institutional Representatives in regards to final proposal budget requests. 1 pp.]

Letter, November 5, 1942. [Letter from George W. Case to ESMWT Institutional Representatives regarding definition of education supervision. 2 pp.]

Letter, March 22, 1943. [Letter from J.W. Studebaker, Commissioner, to the ESMWT Institutional Representatives, regional representatives, regional advisors and Advisory Committee members regarding the delegation of authority to approve ESMWT preliminary and final proposals. 1 pp.]

Letter, April 30, 1943. [Letter from George W. Case to institutional representatives and regional advisors regarding procedures. 2 pp. Includes handwritten notation.]

“Manual of Forms and Procedures.” [Procedure manual for 1943-1944 for Engineering, Science, and Management War Training. 11 pp.]

Letter, August 19, 1943. [Letter from George W. Case to institutional representatives regarding procedures and instructions in checklist format. 1 pp.]

“Office Directory.” [Office directory for Engineering, Science, and Management Training Office. 2 pp.] (2 copies)

Letter. [Letter from George W. Case to the institutional representatives of ESMWT (1942-1943). Attached is a final report for St. Bonaventure College, which includes signatures for Rev. Fidelis O'Rourke, John L Worden, and Gerald W. McMinn. December 31, 1943. 10 pp.]

Ledger Sheets. [2 ledger sheets for Maintenance and Operation, and General Administration written in pencil. A note, “I believe this will be safe in your files. –Rosalie” is attached.]

Ledger Sheet. [Ledger sheet for General Administration and Maintenance and Operation of Plant written in pencil.]

Envelope. [Envelope addressed to John L. Worden from the Federal Security Agency: U.S. Office of Education. “Income Tax” is written in pencil on the back of the envelope.]

Letter, April 17, 1944. [Letter from George W. Case to ESMWT Institutional Representatives concerning enrollment reporting. 1 pp.]

“Important Points to Be Observed in Enrollment Reporting.” [Referenced in April 17th letter. 1 pp.] (6 copies)

“Utilization Schedule for Completed Forms.” [One copy has handwritten notations.] (4 copies)

“Engineering, Science, and Management War Training 1943-1944 Final Report.” [Final report with signatures for Rev. Fidelis O’Rourke, John L Worden, and Gerald W. McMinn. May 17, 1945. Stapled to report is small piece of paper with “Our Office Copy” written in pencil. 12 pp.]

“Summary – ESMWT Program.” [Summary report for October 1942 to June 1945 for St. Bonaventure College. Includes one copy on SBC Department of Science stationary with a draft copy on blank paper. Also included is on page of notations written in pencil, two blank pieces of paper, an ESMWT Class Card for John Frison, and on ledger sheet with financial accounts written in pencil.]

Letter, July 14, 1945. [Letter from George W. Case to institutional representatives. Attached are extra copies of pages 8 and 9 of final reports. 1 pp.]

“Engineering, Science, and Management War Training 1944-1945 Final Report.” [Final report for St. Bonaventure College. September 1, 1945. Includes two strips of calculator tape. 7 pp.]

“Engineering, Science, and Management War Training 1944-1945 Final Report.” [Final report for St. Bonaventure College. September 1, 1945. 8 pp.]

Letter, October 5, 1945. [Letter from George W. Case to institutional representatives of ESMWT 1943-1944 concerning final reports. 1 pp. Attached is a final report for May 17, 1945 with signatures for Rev. Fidelis O’Rourke, John L Worden, and Gerald W. McMinn. 12 pp.]

7.1 Wesix Research Project, 1950-1959

“Release: Monday, December 18, 1950.” [Press release announcing the Wesix Research Project by University president, Very Rev. Juvenal Lalor. 4 pp.]

“St. Bona U. Project Determines Ability to Resist Disease.” *Times Herald* (January 20, 1951): 5. [Includes a complete edition of the newspaper.]

Interoffice Communication. [Note from Fr. Juvenal Lalor to John L. Worden on February 9, 1951 to offer suggestions for a letter. Also attached is a small index card with “Prof. Worden: Would you care to make any comments on this letter before I answer it. The publicity certainly has been very fine” from Fr. Juvenal. The address for Peter Kaiser is also typed on the index card.]

Letter, February 1, 1954. [Handwritten letter from Fr. Juvenal Lalor to John L. Worden about the Wesix Research project. 1 pp.]

Letter, February 9, 1954. [Letter from James H. Stack, managing editor for the American Chemical Society News Service to John L. Worden about the submission of a paper. Attached is a letter from Worden to Stack on February 16, 1954 in reply to the letter from February 9th. 2 pp.]

“Bon Prof. Attends Meeting on Wesix Research Project.” *Bona Venture* 28.14 (February 12, 1954): 1. [Includes complete copy of the *Bona Venture*.]

Postcard, March 25, 1954. [Postcard from Thomas F. Daly of City News Publishing requesting a copy of the paper presented at the American Chemical Society meeting.]

“The Effect of Unipolar Ionized Air on the Hydrogen Ion Concentration of Mammalian Blood.” [Final copy of paper presented at the American Chemical Society’s 125th National Meeting. Handwritten notations are included. 19 pp.]

Telegram, March 31, 1954. [Telegram from W. Wesley Hicks to John L. Worden in regards to American Chemical Society paper and inquiries into the project. Includes handwritten notations. 1 pp.]

“125th Meeting, American Chemical Society.” [Program for the 125th Meeting of the American Chemical Society held in Kansas City from March 23 to April 1. A reference to John L. Worden is on p. 26. 112 pp.]

Telegram, April 6, 1954. [Telegram from W. Wesley Hicks to John L. Worden asking for photographs of Worden. Includes handwritten notations. 1 pp.] (2 copies)

Telegram, April 9, 1954. [Telegram from W. Wesley Hicks to John L. Worden regarding publicity. Includes handwritten notations. 1 pp.]

“For Release.” [Press release regarding the Wesix Research Project and a paper presented at the 15th National Meeting of the American Physiological Society from 1954. “Information from Albert Frank-Guenther Law, Inc. printed at the top. Includes handwritten notations. 4 pp.]

Letter, April 23, 1954. [Letter from W. Wesley Hicks to John L. Worden about a copy of the March 25, 1954 *New York Times* article. 1 pp.]

“Influences in Ions.” *New York Times* (April 25, 1954): E11. [Article regarding Wesix research.]

Letter, May 6, 1954. [Letter from W. Wesley Hicks to Larry Marcus regarding air ionization research. 2 pp.]

Letter, May 7, 1954. [Letter from W. Wesley Hicks to Mr. S.M. Udale regarding research. 1 pp.]

“Meeting with Representatives of the National Science Foundation.” [Memo from W. Wesley Hicks on May 10, 1954(?) discussing a meeting with National Science Foundation

representatives. 1 pp. Attached is an article on the federal government and the National Science Foundation from *Science* 119 (April 2, 1954): 432.]

Letter, May 26, 1954. [Letter from W. Wesley Hicks to Peter White regarding Wesix products and research. 2 pp. Attached is a letter from John L. Worden to W. Wesley Hicks regarding the letter to Peter White on June 1, 1954. 1 pp.]

Letter, July 16, 1954. [Letter from Albert A. Badian to John L. Worden regarding an air ionization paper. 1 pp.]

Letter, July 20, 1954. [Letter from W. Wesley Hicks to John L. Worden regarding *Science Digest* and *Science* articles. Attached to the letter are the following articles: Davidson, Bill. "Human Cells in the Test Tube." *Science Digest* (August 1954): 72-76; "A Bibliography of the Research in Tissue Culture." *Science* 120 (July 1954): 61-62; "Research Proposals." *Science* 119 (June 4, 1954): 799-800.]

Letter, October 18, 1954. [Letter from R.K. Phelan of Taconic Farms, Inc. to John L. Worden regarding research project. 1 pp.]

Letter, November 11, 1955. [Letter from John L. Worden to W. Wesley Hicks regarding initial report of cell culture studies. 1 pp. Attached is a copy of the report. 3 pp.]

Letter, November 25, 1955. [Letter from Harold A. Harper, Associate Professor of Physiological Chemistry to W. Wesley Hicks regarding cell culture studies. 2 pp.]

"Air-ion concentration and the growth of cells in vitro." [Reprint of abstract from *The Anatomical Record* 124.2 (February 1956): 500.] (5 copies)

Hicks, W. Wesley, and John C. Beckett. "The Control of Air Ionization and its Biological Effects." [Paper presented at the International Society for the Study of Bioclimatology meeting in Paris, August 28-31, 1956. 9 pp.]

7.2 Wesix Research Project 1960-1969

Letter, August 17, 1960. [Letter from W. Wesley Hicks to John L. Worden discussing inquiry made by research scientist. 1 pp. Attached is letter from W. Wesley Hicks to Mr. G. Briggs Phillips, a research scientist with the U.S. Army on August 16, 1960 discussing research. 1 pp. Also attached is the original letter from Briggs on July 19, 1960. Worden has made a note to Hicks on the letter. 1 pp.]

Letter, September 18, 1960. [Letter from John L. Worden to W. Wesley Hicks discussing equipment for the research project. Includes handwritten notations. 2 pp.]

Letter, September 23, 1960. [Letter from W. Wesley Hicks to John L. Worden regarding equipment requested from September 18th letter. 1 pp.]

Letter, September 28, 1960. [Letter from John L. Worden to W. Wesley Hicks discussing arrangements made by Hicks in the September 23rd letter. 2 pp.]

Letter, October 7, 1960. [Letter from John L. Worden to W. Wesley Hicks regarding the authorization of funds for the equipment requested in the September 18th letter. 1 pp.]

Letter, October 19, 1960. [Letter from W. Wesley Hicks to John L. Worden discussing check enclosed and authorization to proceed with research. 1 pp.]

Letter, December 15, 1960. [Letter from E.P. Kayser, VP of Wesix Electric Heater Co. to John L. Worden to report the sudden death of W. Wesley Hicks. 1 pp. Attached to the letter is a letter from Worden to Kayser on December 19, 1960 with condolences for the family and co-workers. 1 pp. A December 20, 1960 letter is also attached discussing the continuation of research to Kayser from Worden. 1 pp. A letter to Father Juvenal Lalor from Worden reports the death of W. Wesley Hicks. 1 pp.]

“Last Rites Monday for W. Hicks.” *San Francisco Examiner* (December 10, 1960): II-15. [Short obituary and notice of funeral for W. Wesley Hicks.]

“W. Wesley Hicks.” *San Francisco Chronicle* (December 10, 1960): 16. [Short obituary for Hicks.]

Letter, March 1, 1961. [Letter from John L. Worden to Thomas J. Mellon, President of Wesix Electronic Heater, Co., discussing making a withdrawal from the Wesix Research Fund. 1 pp.]

Letter, March 22, 1961. [Letter from John L. Worden to Thomas J. Mellon thanking him for authorization and acknowledging receipt. 1 pp. Attached to the letter is a receipt.]

Letter, April 12, 1961. [Letter from Alfred P. Wehner to John L. Worden discussing his research. 2 pp. Attached to the letter is Wehner’s business card, an announcement card for the Inhalation Therapy Center of Dallas, TX addition of Electro-Aerosol Therapy, and “The Electro-Aerosol Therapy” report by Alfred P. Wehner. 98 pp.]

Letter, July 17, 1961. [Letter from John L. Worden to Thomas J. Mellon discussing the progress of the research project. 1 pp.]

Letter, August 7, 1961. [Letter from John L. Worden to Thomas J. Mellon discussing research project. 1 pp.]

“Wesix Research Fund: 1960-1961. [Financial report for the Wesix Research fund. 1 pp.]

Letter, September 4, 1961. [Letter from Alfred P. Wehner to John L. Worden discussing his research. 1 pp.]

“Registrants Information Sheet.” [Information sheet, map of Philadelphia, and program for the International Conference on Ionization of the Air in Philadelphia. 5 pp.]

Letter, July 1, 1969. [Letter from Edwin B. David of Wesix Electric Heater Co. to John L. Worden asking that all future correspondence be addressed to David’s office and forms be sent to close the active Wesix Research account at St. Bonaventure. 1 pp. Attached is a note stating, “All of this sent to Mr. David 7/14/69.” Also attached are: letter from Worden to David on July 8, 1969 stating all copies are enclosed. 1 pp.; letter, June 19, 1969 from Worden to Mellon regarding closing the Wesix account at St. Bonaventure. 1 pp.; letter to unknown at Wesix reviewing the project. 2 pp. The letter is almost entirely faded except for half of page two; letter from Mellon to Worden on August 10, 1961 discussing research with handwritten notations. 1 pp.; letter from Mellon to SBU Bursar, Emma Edel, on August 10, 1961 asking to release \$300 to Worden with handwritten notations. 1 pp.; letter from Mellon to Edel asking to transfer \$350.00 to Worden with handwritten notations. 1 pp.; air mail envelope.]

8. Fungus Resistance Research 1972-1978

“Twist in Single Yarns; Turns per Inch.” [Federal test method std. no. 191. December 31, 1968. 7 pp.]

“Recommended Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.” *American Society for Testing and Materials* (1970): 1319-1323.

“Fungus Resistance Test Report.” July 7, 1972. 1 pp. [Handwritten notations on the back.]

“Report on Inspection of Materials.” September 8, 1972. [Report sent to Porta-Case in Olean, NY. Includes handwritten notations. Also attached is an invoice from November 22, 1972 for Porta-Case. Includes handwritten notations. 1 pp., a letter from February 14, 1973 regarding seizure of Porta-Case assets. Includes handwritten notations. 1 pp., and a letter to John L. Worden from John J. Ryan, President of Olean Case Corporation, on December 29, 1972 regarding Porta-Case contracts. 1 pp.]

“Interim Federal Specification: Case, Dispatch, Artificial Leather.” April 22, 1975. 7 pp.

“Fungus Resistance Test Report.” March 10, 1975. [Attached are a preparation guide with handwritten notations. 1 pp.; a preparation guide for experiment. 1 pp.; a letter from John L. Worden to the NLABS Culture Collection of Fungi requesting cultures. 1 pp.; “Method 508. 1: Fungus.” March 10, 1975. 5 pp.; “Fungus Resistance Test Report” with handwritten notations. 1 pp.; experiment reports with handwritten notations. 2 pp.; “Fungus Resistance Test Report.” March 10, 1975. 1 pp.]

Letter, February 1, 1976. [Letter from John L. Worden to the Olean Case Company discussing equipment and tests with handwritten notations. 1 pp. Attached to the letter is three memo pad pages with "From Dr. John L. Worden" at the top with handwritten notations.]

Invoice, June 7, 1976. [Invoice for the Olean Case Company from John L. Worden for June 7, 1976. Attached is another copy of the February 1, 1976 letter. 1 pp.; letter from John L. Worden to the Olean Case Company on January 28, 1976 discussing testing and equipment (photocopy) with handwritten notations. 1 pp.; a carbon copy of the January 28, 1976 letter. 1 pp.]

Invoice, IBM Corp. [Invoice for the IBM Corp. from John L. Worden. Attached is "IBM Samples for Fungus Testing." 2 pp.; Fungus Resistance test report. 2 pp.; a purchase order for the IBM Corp. on April 4, 1977. 1 pp.]

Letter, May 2, 1977. [Letter from Robert P. Iacomacci of New England Laminates Co., Inc. to John L. Worden discussing sample fungus resistance tests. 1 pp. Attached is a copy of a memo sent by John L. Worden to Robert P. Iacomacci discussing regional representatives. 1 pp.]

"Authorization to Conduct Qualification Test." October, 13, 1977. [Lists St. Bonaventure as location for fungus resistance test. 2 pp.]

Purchase Order, August 22, 1978. [Dexter Hysol Division purchase order for fungus resistance tests. Includes handwritten notations. 1 pp. Attached is a copy of a purchase requisition for the Hysol Division. August 21, 1978. 2 pp.]

Letter, October 3, 1978. [Letter from Ross V. Doughty, Chief of the Qualifications Division of the Defense Logistics Agency, to DCAS QAR of St. Bonaventure University discussing verification of compliance. 1 pp. Attached is a letter to John L. Worden from Henry S. Barrett II, Acting Chief of the Electrical Services Branch of the Defense Logistics Agency discussing status of laboratory. 1 pp.]

Letter, October 3, 1978. [Letter from Henry S. Barrett II to John Worden discussing change in directorship of laboratory. 1 pp.]

Invoice, August 25, 1976. [Invoice for the Olean Case Company from John Worden. Attached are seven legal pad pages of notes.]

9. Emergency Medical Services Program 1973-1979

Meeting Agenda, September 23, 1970. [Agenda for the staff and administrators of the Medical Emergency Training Program meeting for the October 6-November 17, 1970 training course. Lists John L. Worden, Richard C. Bothner, Herbert Tucker, and Mrs. John T. Nickola of St. Bonaventure University's Department of Biology. 1 pp.]

“Medical Emergency Technician Training Course.” [Curriculum for the training course held March 13, 1973 to May 8, 1973. The curriculum provides a course schedule and timeline for each session. 18 pp.]

Letter, February 20, 1974. [Letter from Acting Health Commissioner, Leo Moss, to John L. Worden discussing Worden’s appointment as Coordinator of the EMS Program. 1 pp.]

“Emergency Medical Technician Training Course.” [Curriculum for training course held January 24 to May 2, 1978 at the NYS Psychiatric Center School of Nursing in Gowanda, NY. The curriculum guide provides a course schedule, requirements, and timeline of each session. 16 pp.]

“Emergency Medical Technician Training Course.” [Curriculum for the training course held January 23, 1979 to April 5, 1979 held at St. Bonaventure University. The guide provides a course schedule, faculty list, objectives, requirements, a timeline for each unit, and various informational pages related to the units. 25 pp.]

Envelope. [Envelope addressed to the Olean Medical Group from the Cattaraugus County Department of Health Emergency Medical Services Division.]

Handwritten note. [Handwritten note by John L. Worden for emergency cases at each hospital.]

“Inventory – Dr. Worden’s Personal.” April 21, 1979. [Inventory for Dr. Worden’s personal, St. Bonaventure, and the Cattaraugus County Health Department. 3 pp.]

10. Headless Body/Separate Head Report 1972

“Continue Probe of ‘Grave Tampering.’” *Olean Times Herald* (May 8, 1972).

“Cuba Man Charged with Grave Tamper.” *Olean Times Herald* (May 9, 1972).

“Pleads Innocent in Grave Opening.” *Olean Times Herald* (May 25, 1972).

“Report on Examination of Headless Body and Separate Head, Cuba Hospital, Cuba, N.Y. May 6 and May 9, 1972.” [Examination report from John L. Worden to John D’Arcy, District Attorney, on the condition of the body and head after examination. May 10, 1972. 2 pp.]

“Report on Examination of Headless Body and Separate Head, Cuba Hospital, Cuba, N.Y. May 6 and May 9, 1972.” [Draft of the examination report from John Worden to John D’Arcy, District Attorney, on the condition of the body and head after examination. Includes handwritten notations. May 10, 1972. 3 pp.]

“Examination of Headless Body and Separate Head, Cuba Hospital, Cuba, N.Y. May 6 and May 9.” [Handwritten draft of the examination report. 9 pp.]

Invoice, May 30, 1972. [Copy of an invoice for examination for John L. Worden from John D'Arcy. 1 pp. Attached is a business card for D'Arcy and a USPS Form.]

11. Schaar & Co. 1948-1969

Letter, May 5, 1948. [Letter from John L. Worden to the President of Schaar & Co. offering services as a field representative. 1 pp.]

Letter, May 12, 1948. [Letter from E.H. Schaar to John L. Worden offering a commission on orders that Worden obtains. 1 pp. Attached is a letter from Worden to Schaar on May 14, 1948 asking for further explanation of a commission. 1 pp.]

Letter, May 18, 1948. [Letter from E. H. Schaar to John L. Worden discussing offering explanation of the commission. 1 pp. Attached is a reply from Worden on May 25, 1948 discussing the commission rate and his employment. 2 pp.]

Letter, May 26, 1948. [Letter from E. H. Schaar to John L. Worden discussing commission rate and orders. 2 pp. Attached is a reply from Worden on May 29, 1948 discussing commission, territory, supplies, and orders. 2 pp. Attached is a note from Chemistry professor, H.J. Tormey discussing arrangement with the company and Worden.]

Letter, June 8, 1948. [Letter from E.H. Schaar to John L. Worden discussing issues from the May 29th letter, addresses for ads, chemicals, and meeting C.E. Schaar. 2 pp. Attached is a June 15, 1948 letter from John L. Worden to E.H. Schaar discussing territory, and prices. 1 pp. Also attached is "Daily Call Summary" with form. 1 pp., "Customer Call Report" with form. 2 pp., and "Customer Data Sheet" with form. 2 pp.]

Letter, June 11, 1948. [Handwritten letter from C.E. Schaar discussing meeting Worden in Rochester or Niagara Falls. 1 pp. Attached is a letter from John L. Worden to C.E. Schaar on June 15, 1948 declining the invitation to meet with Schaar in Niagara Falls. 1 pp.]

Letter, June 16, 1948. [Letter from L.A. Rauch to John L. Worden regarding June 15th letter to E.H. Schaar. 1 pp.]

Letter, June 28, 1948. [Letter to L.A. Rauch from John L. Worden on interoffice communication letterhead. In the letter, Worden discusses order. Includes handwritten notations. 1 pp.]

Letter, July 1, 1948. [Letter from E.H. Schaar to John L. Worden discussing invoices and orders. 2 pp.]

Letter, July 2, 1948. [Letter from John L. Worden to E.H. Schaar listing an address that was requested by Schaar earlier on. 1 pp.]

Letter, July 3, 1948. [Letter from John L. Worden to L.A Rauch on interoffice communication letterhead regarding St. Bonaventure College order. Includes handwritten notations. 1 pp.]

Letter, July 20, 1949. [Letter from L.A. Rauch to John L. Worden regarding the status of E.H. Schaar in the company, and the appointment of Rauch as Treasurer, filling the vacant spot left by E.H. Schaar. 1 pp.]

Letter, January 26, 1951. [Letter from L.A. Rauch to John L. Worden discussing work of John Worden. 1 pp.]

“Directory of Personnel.” [Directory of Schaar Scientific Company personnel from December 1, 1964. Includes Worden’s name and address under Sales. Includes handwritten notations. 3 pp.]

Letter, July 17, 1969. [Letter from Tom Murtagh to John L. Worden discussing association with company. Attached is a letter from Worden to Murtagh on October 15, 1969 regarding sales and health issues. 1 pp.]

12. Research News and Reports 1951-1958

“Normal Values in the Anatomy and Physiology of the Golden Hamster.” [Outline of research. 12 pp.]

“Report on the Chronic Toxicity of Epon Resins.” [Letterhead: Shell Chemical Corporation, 500 Fifth Avenue, New York 18, New York. 14 pp.]

“UC, Stanford Get Research Grants.” 9 Feb. 1952. [Newspaper article discussing research grants. There is no mention of Worden.]

“Good News in Science and Medicine.” *American Weekly* 2 Mar. 1952: 18.

“Negative Ions in Air Can Cut Crime.” *Buffalo Courier-Express* 22 Feb. 195?.

“The National Science Foundation Takes Stock.” *Scientific American* 190.3 (March 1954): 29-33.

Kaempffert, Waldemar. “Science in Review: Industry is Mobilized Behind a Project to Solve Problem of Common Cold.” *New York Times* 14 Nov. 1954: E9.

“Ionized Air Lessens Need of Narcotics in Burn Cases.” *Buffalo Evening News* 18 Dec. 1957: 9.

Krueger, Albert P., and Richard F. Smith. “The Effects of Air Ions on the Living Mammalian Trachea.” *The Journal of General Physiology* 42.1 (September 20, 1958): 59-82. [Reprint of the article. Handwritten note at the top states “Cites JLW 82.”]

Hicks, W. Wesley, and John C. Beckett. "The Control of Air Ionization and its Biological Effects." [Copy of paper presented at the International Society for the Study of Bioclimatology in Paris, August 28-31, 1956. 10 pp.] (2 copies)

"Foundation Director." *Science News Letter* (March 24, 1951): 181.

13. American Chemical Society

13.1 ACS Correspondence: Minutes and Reports 1948-1958

Letter, December 30, 1954. [Letter from L.H. Gnau to Luther D. Dromgold discussing role as Secretary – Treasurer for the American Chemical Society. 1 pp.]

Letter, December 16, 1955. [Letter from Alden H. Emery to Secretaries of ACS' Local Sections regarding membership and councilors. Includes handwritten notations. 1 pp.]

"U.S. Return of Organization Exempt from Tax." [Form for the Pennsylvania-New York Western Border Section of the American Chemical Society for 1955. Handwritten. 2 pp. Along with the form is "Itemized Statement of Cost of Operations, 1955." February 10, 1956. 1 pp.]

"Statement of Income and Expense: PA-NY Western Border Section." [Statement for 1955. Handwritten. 4 pp.]

List of Local Dues. [List of individuals who have paid 1955 local section dues. The list includes John L. Worden. Includes handwritten notations. 1 pp.]

"Receipts for Bills Pd. 1956." [Receipts from December 23, 1955 to December 27, 1956. Also includes handwritten notes on expenses and dues, a letter from Leo Simbeck to John Askey on October 1, 1956 discussing bills and a statement, two drafts of letters from R.E. Baldwin to Alden H. Emery and the American Chemical Society Renewed Member Department on January 25, 1956, and cancelled checks from 1955.]

Note, March 27, 1956. [Handwritten note from Pete to Rev Baldwin regarding expenses for the American Chemical Society. 1 pp.]

Letter, September 4, 1956. Letter from W.E. Yohe to R.E. Baldwin discussing the joint meeting, a speaker, and expenses. 1 pp.]

Letter, September 4, 1956. [Letter from Rev Baldwin to regular and associate members of the PA-NY Western Border section regarding reminders for meetings and dues. Includes handwritten notations and a mimeo master copy. 1 pp.] (2 copies)

Dues notice. [Dues notice for 1956 with unused stamped envelope and mimeo master with backing sheet.]

Letter, September 7, 1956. [Letter from Marie Patterson to R.E. Baldwin regarding applications. Includes handwritten notations. 1 pp.]

Letter, October 12, 1956. [Carbon copy letter from R.E. Baldwin to John Askey regarding expenses for a dinner meeting. 1 pp.]

Letter, November 13, 1956. [Carbon copy letter from R.E. Baldwin to Frances V. Benner requesting financial allotment for 1957. Includes handwritten notations. 1 pp.]

Letter, November 16, 1956. [Letter from Wm. Muehlhause to R.E. Baldwin regarding financial allotment. 1 pp.]

“Statement of Income and Expense: Penn.-NY Western Border Section.” [Statement for 1956. Handwritten. 4 pp.]

“Running Record of Local Section Dues Paid, '56.” [Handwritten list from August 15, 1956 to December 31, 1956. Included on the list is John L. Worden. 5 pp.]

“Monthly Treasurer’s Reports 1956.” [Handwritten report. 8 pp.]

Account Statement. [Account statement with a date stamp of March 29, 1957. 1 pp. Attached is two checks that are on the statement. One is made out to John L. Worden. Also attached is an envelope addressed to John L. Worden with a return address of the Pittsburgh Corning Corporation.]

“Minutes of Kane Meeting: January 15, 1957.” 3 pp.

“Meeting of Executive Committee of ACS, Pennsylvania-New York Western Border Section.” [February 7th meeting minutes for the executive committee. John L. Worden is listed as secretary. 4 pp.]

“Minutes of the Smethport Meeting, February 12, 1957.” 2 pp.

“Financial Status of PA-NY Western Border Section, ACS: February 13, 1957.” [Financial status report listing check balance, income, expenses, and total cash assets for the section. 1 pp.]

Invoice, March 8, 1957. [Invoice from the American Chemical Society for a share of expenses. 1 pp.] (2 copies)

Letter, April 22, 1957. [Letter from P.W. Parsons to John L. Worden regarding a bill for expenses. Includes handwritten notations. 1 pp.]

“Meeting of April 22, 1957.” [Meeting minutes/agenda with handwritten notations. 2 pp.]

“Minutes of Port Allegany Meeting: April 22, 1957.” [3 pp.]

Letter. [Letter from Lucy M. Massey to secretary of the local section regarding election for the following year and description of duties of the secretary. 1 pp.]

“Membership List – October 24, 1957.” [Includes seven pages of member names and their addresses. The last page reports total membership, associate members, and lists the chairman and secretary as John L. Worden. 8 pp.]

Letter, December 9, 1957. [Letter from George I. Beyer to John L. Worden regarding duties of officers. 1 pp.]

Letter, December 11, 1957. [Letter from John L. Worden to George I. Beyer regarding duties of officers. 1 pp.]

Letter, January 31, 1958. [Letter from Pete Parsons to John L. Worden regarding executive committee minutes, an annual report, and radio programs. Includes handwritten notations. 1 pp. Attached is the executive committee meeting minutes for January 6, 1958. 3 pp.]

Letter, February 18, 1958. [Letter from Pete Parsons to John L. Worden regarding the possibility of Worden becoming Vocational Guidance Chairman. Includes handwritten notations. 1 pp.]

Letter, March 11, 1958. [Letter from John L. Worden to Pete Parsons declining the position of Vocational Guidance chairman. 1 pp.]

Letter, March 11, 1958. [Letter from John L. Worden to Pete Parsons discussing annual reports. 1 pp.]

Letter, March 18, 1958. [Letter from John L. Worden to Alden H. Emery regarding record of payment for dues by John Worden. 1 pp.]

13.2 ACS Deposit Book, 1956-1957

“The First National Bank: Port Allegany, PA.” [Deposit book for January 10, 1956 to January 9, 1957. 4” x 2 ½”. 6 pp.]

13.3 ACS Treasurer’s Accounts Notebook, 1940-1956

“Financial Records PA – NY Western Border Section, American Chemical Society: Oct. 18-1940 through 1956.” [Treasurer’s Accounts notebook with expenditures and receipts. 107 pp. Includes three loose-leaf pages with notes for petty cash in 1956.]

13.4 ACS Minute Book, 1947-1956

Minute Book. [Minutes for November 1947 through November 1956. 152 pp. Pages 139-149 are blank, and pp. 150-152 has miscellaneous notes written in pencil. Attached with staples to

various pages are types copies of executive committee meeting minutes for January 24, 1955, 3 pp., executive committee meeting minutes for September 28, 1955, 2 pp., a memo to the vocational guidance committee on March 8, 1956, 2 pp., and a vocational guidance conference program for April 22, 1956, 2 pp.]

13.5 ACS Money Receipts Book, 1956

Money Receipts Book. [Thirty-six receipt stubs made out for Associate and Regular member dues from October 16, 1956 to December 31, 1956 for the American Chemical Society with thirty-seven blank receipts.]

14. SBC/SBU Contracts and Pension Plan, 1947-1973

“Contract of Employment.” [1935 employment contract between John L. Worden and Rev. Christopher Hee for employment as assistant professor for the 1935-1936 year for \$1700.00. The contract is stamped “copy.” 1 pp.]

“St. Bonaventure College Pension Plan.” [Pension plan for June 1, 1947. Includes handwritten notes on back cover. 8 pp.]

Letter, July 15, 1947. [Letter from Frank R. White to John L. Worden discussing the Equitable Life Assurance Society policy for Worden. 1 pp. Attached is a “Summary of Insurance” by the Equitable Life Assurance Society for John L. Worden, 1 pp., and a St. Bonaventure College envelope addressed to John Worden.]

“Saint Bonaventure College Pension Plan Certificate of Participation.” [Certificate issued on June 1, 1947. The certificate was signed by Celsus R. Wheeler, Maurice Scheir, and Frank R. White. 1 pp.]

“Saint Bonaventure College Pension Plan Certificate of Participation.” [Certificate issued on June 1, 1948. The certificate was signed by Celsus R. Wheeler, Maurice Scheir, and Frank R. White. 1 pp.]

“Saint Bonaventure University Pension Plan Certificate of Participation.” [Certificate issued on June 1, 1950. The certificate was signed by Rev. Celsus R. Wheeler, Rev. Maurice Scheir, and Frank R. White. 1 pp.]

“Saint Bonaventure University Pension Plan Certificate of Participation.” [Certificate issued on June 1, 1954. The certificate was signed by Rev. Regis Galvin, Raymond Bradshaw, and Rev. Brian Duffy. 1 pp.]

“Saint Bonaventure University Pension Plan Certificate of Participation.” [Certificate issued on June 1, 1958. The certificate was signed by Basil F. Lobby, Cornelius Welch, and Aurelius Loop. 1 pp.]

“Saint Bonaventure University Pension Plan Certificate of Participation.” [Certificate issued on June 1, 1960. The certificate was signed by Fr. James J. McKee, Cornelius Welch, and Aurelius Loop. 1 pp.]

“Saint Bonaventure University Pension Plan Certificate of Participation.” [Certificate issued on June 1, 1963. The certificate was signed by Francis Kearney, Cornelius Welch, and Aurelius Loop. 1 pp.]

“Saint Bonaventure University Pension Plan Certificate of Participation.” [Certificate issued on June 1, 1965. The certificate was signed by Francis Kearney, Cornelius Welch, and Aurelius Loop. 1 pp.]

“Saint Bonaventure University Pension Plan Certificate of Participation.” [Certificate issued on June 1, 1967. The certificate was signed by Fr. Gordon Murphy, Fr. Jerome Kelly, and Richard E. Vossler. 1 pp.]

Letter, July 11, 1973. [Letter from Dick M. Sain of the Equitable Life Assurance Society to John L. Worden discussing information that was requested by Worden. 1 pp.]

15 St. Bonaventure University Memorabilia 1937-1975

15.1 How Did It Start: Program II: The Birth of the Microscope Radio Program, 1937

LaBelle, Fr. Giles. “How Did It Start: Program II: The Birth of the Microscope: October 12, 1937.” *Science Studies* 6.1 (November 1937): 3–6. [St. Bonaventure College radio program script featuring “Jack” (Worden?) and “Prof.” (Hubert Vecchierello?).]

15.2 Monthly Wall Calendars, 1940-1942

Monthly Wall Calendar. [Calendar inscribed with “Pax et Bonum... With Sincere Greetings, The Fathers, Professors and Students of St. Bonaventure, N.Y.” with facsimile signature of Fr. Thomas Plassmann, O.F.M. and John L. Worden photograph of Friedsam Memorial Library in the winter. 1940. Approximately 12 x 22 cm.]

Monthly Wall Calendar. [Calendar inscribed with, “St. Bonaventure, New York Alma Mater’s Christmas Greetings to Her Sons Far and Near” with John L. Worden photograph of Friedsam Memorial Library and facsimile signature of Fr. Thomas Plassmann. 1942. Approximately 15 x 24 cm.]

15.3 Stationary, Pre-1949

Blank Letterhead Stationary. [Printed at the top is “John L. Worden, St. Bonaventure College, St. Bonaventure, N.Y.” 3pp. pre-1949.] (3 copies)

Blank Letterhead Stationary. [Printed at the top is “St. Bonaventure College, St. Bonaventure, N.Y.” The Bonaventure seal is on the left side with “Department of Biology” and embossed with the Franciscan cord around the seal and department name. pre-1949.] (2 copies)

Blank Letterhead Stationary. [Printed at the top is “St. Bonaventure University, St. Bonaventure, N.Y.” The St. Bonaventure seal with “Department of Biology” is on the left side. post-1949.] (3 copies)

15.4 Inauguration Program, 1967

“Inauguration of the President.” St. Bonaventure University. October 4, 1967. [Program for the inauguration of Very Rev. Reginald Redlon. John L. Worden is listed as Master of Ceremonies. 10 pp.]

15.5 School of Arts and Sciences Annual Report, 1970-1971

“School of Arts and Sciences Annual Report, 1970–1971.” [Handwritten in marker on the cover is J. Worden. John L. Worden is mentioned on pages 7, 11, 23-24, 29, 32, 37, 42, 47, 50, 53, 58, and 63 of the annual report discussing his various contributions for the year in regards to research and professional organizations. 70 pp.]

15.6 Newspaper Articles, 1975 and 1990

“Hospital Sale Prompts Look Back at St. Francis.” *Olean Times Herald* 12 Nov. 1990: 3.

“Postcard Glimpses of Early St. Bonas.” *Times Herald Weekender* 25 Jan. 1975: 4.

16 Miscellaneous Items

16.1 Calendars, 1933, 1945, 1952

Stand-Up Desk Calendar. [“Geo. T. Walker & Company, Inc. Minneapolis, Minnesota, Scientific Apparatus and Chemicals.” Approximately 8 ½ x 8 cm. with an art deco metal frame. 1933.]

Monthly Wall Calendar. [“American Book Company School Calendar.” Calendar is mounted on Pacific Ocean map card and has photographs of various cities around the world. On the back of each page is information, such as postage rates, holidays, eclipses, governments, public schools. Approximately 16 x 22 cm. 1945.]

Annual Wallet Calendar. [“Compliments of Fred J. Hall.” Approximately 5 ½ x 9 cm. 1952.]

16.2 Envelopes

Envelope. [Envelope addressed to Laboratory of W 1378 Bacteriology and Biology St. Bonaventure’s College and Seminary Allegany NY USA. Also on the envelope are three stamps

and a postmark date of December 22, 1955, with Deutscher Buch-Export und –Import GmbH. Abteilung Antiquariat Leipzig printed on the envelope.]

Self-Addressed stamped envelope. [Includes 3¢ embossed stamp, not canceled. Envelope addressed to John L. Worden, 145 North Barry Street, Olean, NY from Biology Dept. St. Bonaventure University.]

Self-Addressed stamped envelope. [Includes 5¢ embossed stamp, not canceled. Envelope addressed to Mr. Earl Hunt, Hysol Corporation, 1100 Seneca Avenue, Olean, NY, from Biology Dept. St. Bonaventure University.]

16.3 Articles, Lists, and Forms, 1957-1975

“Your Eyes and How They Function.” Rochester, NY: Bausch & Lomb Optical Co. 1937. [Pamphlet reprinted in 1957. 20 pp.]

“The American Society for Cell Biology: Outline of Program – First Annual Meeting.” Chicago, IL, November 2-4, 1961: 3 pp. [John L. Worden notations on the back of the second sheet. Includes miscellaneous information sheet and registration form.]

“Now Available: Group Photograph of Conferees Attending Second Decennial Review Conference.” [Notice of a group photograph that is available for purchase. The photo was taken September 13, 1966. 1 pp.]

List. [Two handwritten addresses for emergency medicine and health in Maryland. ca. 1974-1975. 1 pp.]

“St. Bonaventure University Requisition.” [Requisition form with handwritten note. “T.C. Conference + Dedication/[illegible] — [illegible] T.C./Anatomical – conference.”]

Lists and Notes. [Typed and handwritten lists and notes for laboratory supplies stapled together for bulletin board posting. 9 pp.]

“Faculty.” [Faculty form which asks for name, department information, degrees, research completed, and research in progress. 1 pp. no date.]

17. Photographs, 1930s to 1967

17.1 St. Bonaventure University

“Contact Sheets, SBC Campus, 77 Exposures.” [77 photographs, in strips approximately 14 x. 2 ½ cm., of the SBC Biology department, campus and landscape views, and one photo of John L. Worden. ca. mid to late 1930s. Includes St. Bonaventure College envelope labeled, “35 mm. Contact Sheets, SBC Campus, 77 Exposures.” Written in pencil on the envelope is “SBC Bio. ca. late 1930s? mid-1930s.”]

Hickey Dining Hall and Devereux. [11 x 8 cm. black and white photograph of Hickey Dining Hall and a portion of Devereux Hall. ca. 1930s.]

Friedsam Memorial Library. [Approximately 11 x 10 cm. black and white photograph of the library. ca. 1938].

St. Bonaventure College. [Approximately 10 x 8 cm. black and white aerial view of the campus looking southwest. September 6, 1938.]

St. Bonaventure College. [Approximately 10 x 8 ½ cm. black and white aerial of the campus looking west. September 6, 1938.]

St. Bonaventure College. [Approximately 10 x 8 cm. black and white aerial photograph of St. Elizabeth's Motherhouse, looking northwest. September 6, 1938.]

Friedsam Memorial Library. [Approximately 13 x 8 cm. black and white postcard of Friedsam Memorial Library during the winter.]

Friedsam Memorial Library. [Approximately 12 x 16 ½ cm. black and white photograph of the entrance taken at night. Handwritten on the back of the photo is "St. Bonaventure NY Worden."]

Unidentified Friar. [Approximately 13 x 18 cm. black and white photograph of an unidentified friar in graduation attire.]

Friedsam Memorial Library. [Approximately 16 ½ x 10 ½ cm. black and white photograph of the library entrance taken at night during the winter. Handwritten on the back of the photo is "St. Bonaventure NY Worden."]

Alumni Hall. [Approximately 16 ½ x 11 ½ black and white photograph of Alumni Hall taken during winter. Handwritten on the back of the photo is "Worden."]

Shrine of St. Theresa and the Infant Jesus. [Approximately 17 x 12 cm. black and white photograph of the shrine taken during winter.]

Friedsam Memorial Library and St. Joseph's Oratory. [Approximately 15 ½ x 11 ½ cm. black and white photograph of the library and oratory. Handwritten on the back of the photo is "St. Bonaventure NY Worden."]

Friedsam Memorial Library. [Approximately 16 ½ x 11 ½ cm. black and white photograph taken from the back of the library. Handwritten on the back of the photo is "St. Bonaventure NY Worden."]

Friedsam Memorial Library. [Approximately 17 x 11 ½ cm. black and white photograph of the side of the library. Handwritten on the back of the photo is "St. Bonaventure NY Worden."]

St. Bonaventure Campus. [Approximately 20 x 17 cm. black and white photograph of the campus, including St. Joseph's Oratory, Butler Gym, De La Roche, Devereux Hall and the Convent.]

St. Bonaventure Campus. [Approximately 21 ½ x 18 ½ cm. black and white photograph of the campus, including land behind Lynch Hall.]

Faculty Dining Room. [Approximately 8 ½ x 11 ½ cm. black and white photograph of Kenneth Anderson, Austin Finan, unidentified, and John L. Worden at the faculty dining room under Hickey Dining Hall. ca. 1950s.]

St. Bonaventure College. [Approximately 7 ½ x 6 ½ cm. black and white aerial photograph of St. Bonaventure's buildings.]

Unidentified OSF nun. [Approximately 6 ½ x 9 cm. black and white photograph.]

Science Party. [Approximately 9 x 13 cm. color photograph of a science party at the Hostagoh ca. 1958. Seated are Mrs. Worden and John L. Worden. Standing is Francis Liege.]

Science Party. [Approximately 9 x 13 cm. color photograph of a science party at the Hostagoh ca. 1958. Mr. and Mrs. Worden appear with other individuals.]

Science Party. [Approximately 9 x 13 cm. color photograph of a science party at the Hostagoh ca. 1958. Seated on the left are Mrs. Worden with and unidentified woman.]

Science Party. [Approximately 9 x 13 cm. color photograph of a science party at the Hostagoh ca. 1958.]

Dinner. [Approximately 9 x 13 cm. color photograph of a dinner party. Seated left to right is unidentified, Martha Guson, Marian Hannifan, Margery Galloway, John L. Worden, Maria-Elena, Father Francis Kearney, Dinglason (fiancée of Maria Elena), Leone Worden, Ackerman, Bebe Ackerman (aunt of Maria Elena), and an unidentified friar. November 1966.]

Dinner. [Approximately 9 x 13 cm. color photograph of Father Francis Kearney and Maria Elena. November 1966.]

President's Inauguration. [Approximately 9 x 9 cm. color photograph of Fr. Reginald Redlon's inauguration as president on October 4, 1967. John L. Worden is standing at the podium.]

17.2 Labs, ca. 1930s

"Labs" ca. 1930s." [Six black and white photographs, approximately 6 ½ by 5 ½ cm. depicting SBC Biology Department laboratory experiments, photomicroscopy, students, and professor (?). Includes envelope labeled "Labs" ca. 1930s."]

17.3 Fungicide Research

“Fungicide Research.” [18 photographs, approximately 10 x 10 cm. black and white photographs of research through microscope. Includes envelope labeled “fungicide research.”]

17.4 Unidentified

Unidentified individual taking photograph. [Approximately 25 ½ x 20 ½ cm black and white photograph.]

18. Negatives/Slides, 1930s to 1950s

18.1 St. Bonaventure University

Kodachrome slides. [Nine slides of St. Bonaventure College campus.]

“Campus.” [11 exposures, approximately 6 x 7 cm. of St. Bonaventure campus, including skylines, De La Roche, Hickey, Friedsam Memorial Library, friar on a sidewalk, observatory and interior shots. Includes envelope labeled, “Campus. Summer 1938.”]

“Library, winter 1938-9.” [2 exposures, approximately 6 x 7 cm. for the 1942 calendar illustration. Includes envelope labeled, “Library, winter 1938-9.”]

18.2 Flowers, ca. 1930s

“Flowers.” [2 exposures, approximately 6 x 7 ½ cm. of flowers. ca. late 1930s. Includes envelope labeled, “Flowers.”]

18.3 Photomicrograph. Injected Lung

“Photomicrograph. Injected Lung.” [1 exposure, approximately 6 x 8 ½ cm. Include envelope labeled, “Leitz macroproj, no lens in camera, 30 in. from proj. 1/30 sec. XX, D.K. 20.”]

18.4 Biology, ca. 1930s

“Biology.” [7 exposures, approximately 6 x 7 cm. Display of frogs and insects, one with photographer. ca. late 1930s. Includes envelope labeled, “Biology.”]

18.5 Labs, ca. 1930s

“Labs.” [9 exposures, approximately 6 x 7 cm. and 8 contact prints, approximately 6 x 6 cm. ca. late 1930s. Includes envelope labeled, “Labs--. 3 glossy of each.”]

18.6 Chelifer cancroides, ca. 1930s

“Chelifer cancroides.” [3 exposures, approximately 6 x 6 cm. with 1 handwritten bibliographic citation for *The Spider Book* written by John L. Worden. ca. late 1930s. Includes envelope labeled, “Chelifer cancroides XX, daylight, 5X Oc and 52 mm obj. (dull day) DK-20, 71* 19 min.”]

18.7 Hawk Moth and Chrysalis, ca. 1930s

“Hawk Moth and Chrysalis.” [8 exposures, approximately 6 ½ x 7 cm. ca. late 1930s. Includes envelope labeled, “Hawk Moth and Chrysalis June 10 and 20 W-100, X-Ray, 10 min., indoors, dull (Light 6-8; 3.5, 1/30.)”]

18.8 Hydroponics, 1938

“Hydroponics.” [9 exposures, approximately 6 x 6 cm. of illustrations for *Science Studies* article, February 1939. Includes envelope labeled, “Hydroponics Dec. 14, 1938.”]

18.9 Eye, 1939

“Eye Drawings.” [3 exposures, approximately 6 x 7 ½ cm. Illustrations for *Science Studies* article, June 1939. Includes envelope labeled, “Eye drawings Weston 128 DK-20., 25 min. May 12, 1939.”]

“Eye.” [6 exposures, approximately 6 x 7 ½ cm., plus a magazine cutout of 5 close-up shots of the human eye. Illustrations are for a *Science Studies* article, June 1939. Includes envelope labeled, “Eye May 12, 1939 XX, DK 20, 61*, 30 min., 128.”]

18.10 Double flower on Crown-of-Thorns, 1939

“Double flower on Crown-of-Thorns.” [2 exposures, approximately 6 ½ x 7 ½ cm. Includes envelope labeled, “Double flower on Crown-of-Thorns June 1, 1939l. W-100, X-Ray, 10 min.”]

18.11 Sisters Grad, 1939

“Sisters grad.” [3 exposures, approximately 6 x 7 ½ cm. Includes envelope labeled, “Sisters grad. W-100, X-Ray, 10 min. June 7, 1939.”]

18.12 Bamboo, 1939

“Bamboo.” [9 exposures, approximately 6 x 7 cm. Illustrations for *Science Studies* article, January 1940. ca. December 1939. Includes envelope labeled, “Bamboo, XX, daylight except silhouette – day and P-F. 100 W- 80 W. DK-20, 73* 20 min. old sol’n. (added 6*).”]

“Bamboo, C.S.” [7 exposures, approximately 6 x 7 ½ cm. through microscope. Illustrations for *Science Studies* article, January 1940. Includes envelope labeled, “Bamboo, C.S. XX, DK -20. Dec. 11, 1939.” Handwritten on envelope in pencil: “Bamboo-F/3.8 16X, 5X. 1 – 5 sec., 2 – 3, 3 – 2, 4 – 1, 5 – 1/2, 6 – 1/30, 7 – 1/30. Light turned __ 14-16.”]

18.13 Lilac Mildew, 1939

“Lilac Mildew.” [10 exposures, approximately 4 ½ x 7 ½ cm. Illustrations for *Science Studies* article, November 1939. Includes envelope labeled, “Lilac Mildew 10/13/39. Super XX, DK-20. (old solution.)”]

18.14 Opossum, 1940

“Opossum.” [3 exposures, approximately 6 x 7 ½ cm. Includes envelope labeled, “Opossum March 13, 1940. 3.5-1/20 developed 4 min. extra at 71’, D.K. 20.”]

18.15 Portrait of W. Wesley Hicks, ca. 1950s

“Wesix – Photos.” [Portrait of W. Wesley Hicks of Wesix Research Foundations. 2 exposures, approximately 5 ½ x 8 cm. ca. early 1950s. Includes St. Bonaventure College, Department of Biology envelope.]

18.16 Wesix Research and SBU Laboratory, ca. 1950s

Wesix Research and SBU Laboratory. [2 exposures, approximately 5 ½ x 8 ½ cm., and 8 exposures, approximately 10 x 12 ½ cm. ca. 1950s.]

18.17 Wesix Research: Incisions, ca. 1950s

“Wesix Research: Incisions.” [25 exposures, approximately 5 ½ x 8 ½ cm. Originally housed in inserts labeled Ex. 2, Ex. 3, Ex. 4 and Ex. 5 series of exposures. ca. 1950s. Originally housed in a Kodak sheet film box with a St. Bonaventure University label addressed to John L. Worden.]

18.18 Wesix Research: Ionizer Unit Pts., ca. 1950s

“Wesix Research: Ionizer Unit Pts.” [24 exposures, approximately 5 ½ x 8 ½ cm., ca. 1950s. Originally housed in a Kodak Sheet Film box.]

18.19 Plant Growth

“Plant Growth.” [92 exposures, approximately 10 cm. x 12 ½ cm., with a daily sequence of shots from April 30 to May 14. Originally housed in a Kodak Sheet Film box. Written on the box is Plant Growth, Karl Kaiser, St. Bonas.]

19. College of St. Thomas Materials, 1929-1999

Letter, September 9, 1999. [Correspondence between Robert L. Worden and Ann Kenne, University Archivist at the University of St. Thomas, relating to photocopies of Worden's tenure at the university. 1 pp.]

"College of St. Thomas Faculty Record." October 8, 1930. [Lists personal information, education, and work experience of John L. Worden. 2 pp.]

Letter of Appointment. [Appointment letter for John L. Worden for September 1, 1930 to June 15, 1931 from the Office of the Business Manager at the College of St. Thomas. 1 pp.]

Education form. [Form provides education background of John L. Worden. 1 pp.]

Letter of Appointment. [Appointment letter for John L. Worden for September 1, 1931 to June 15, 1932 from the Office of the Business Manager at the College of St. Thomas. 1 pp.]

Letter, April 11, 1932. [Correspondence between John L. Worden and Rev. W.F. Cunningham, Dean of Studies, discussing employment. 1 pp.]

Letter, April 14, 1932. [Correspondence between John L. Worden and Rev. W.F. Cunningham discussing employment. Handwritten letter. 1 pp.]

Letter of Appointment, May 12, 1932. [Appointment letter for John L. Worden for September 1932 to June 1933 from the Office of the Business Manager at the College of St. Thomas. 1 pp.]

Letter, August 17, 1932. [Correspondence between John L. Worden and Rev. W.F. Cunningham regarding employment. 1 pp.]

Letter, March 21, 1933. [Correspondence between John L. Worden and W.F. Cunningham regarding termination of employment of John L. Worden. 1 pp.]

Petition, March 31, 1933. [Petition signed by nine students of a Cat Anatomy class about a change of schedule.]

Letter, July 15, 1933. [Correspondence between John L. Worden and Father Schabert asking for continuation of employment in the Science Department. 2 pp.]

Bulletin of the College of St. Thomas, Catalog Number 1932-33. 47.1 (March 1933). [Copies of pages from the catalog mentioning John L. Worden. 9 pp.]

Box 3 (2013.3.99)

Vecchierello, Hubert, and John L. Worden. *A Laboratory Manual of Vertebrate Embryology: A Volume for Use in College and Universities*. Paterson, N.J.: St. Anthony Guild Press, 1935.

A Laboratory Manual of Vertebrate Embryology. [A draft of the manual with editing and notations in pencil. 65 pp.]

1.1 Fr. Hubert's Book

Letter, November 28, 1934. [Letter from an individual from St. Anthony's Guild to Father Hubert discussing original drawings and their reproductions. 1 pp.]

"Instructions." [Instructions for draft of the manual written in pencil. 1 pp.]

"Vertebrate Embryology Page Proof." [Corrections for manual written in pencil with notations. "Please return to Ed. Dept. with each correction made" is written at the top of the page. 1 pp.]

"Plate I." [Draft of plate one with notations and illustrations in pencil. 1 pp. A small note is attached, "Plate 1 Set Only A and Plate and Number Border."]

"Plate II." [Draft of plate two with notations and illustrations in pencil. 1 pp.]

"Plate III." [Draft of plate three with notations and illustrations in pencil. 1 pp.]

"Plate IV." [Draft of plate four with notations and illustrations in pencil. 1 pp.]

"Plate V." [Draft of plate five with notations and illustrations in pencil. 1 pp.]

"Plate VI." [Draft of plate six with notations and illustrations in pencil. 1 pp.]

"Plate VII." [Draft of plate seven with notations and illustrations in pencil. 1 pp. A small note is attached, "Plate 7 Set Only A, B, C and Plate and Number Border."]

"Plate VIII." [Draft of plate eight with notations and illustrations in pencil. 1 pp.]

"Plate IX." [Draft of plate nine with notations and illustrations in pencil. 1 pp.]

"Plate X." [Draft of plate ten with notations and illustrations in pencil. 1 pp.]

"Plate XI." [Draft of plate eleven with notations and illustrations in pencil. 1 pp.]

"Plate XII." [Draft of plate twelve with notations and illustrations in pencil. 1 pp.]

"Plate XIII." [Draft of plate thirteen with notations and illustrations in pencil. 1 pp.]

"Plate XIV." [Draft of plate fourteen with notations and illustrations in pencil. 1 pp.]

"Plate XV." [Draft of plate fifteen with notations and illustrations in pencil. 1 pp.]

“Plate XVI.” [Draft of plate sixteen with notations in pencil. 1 pp.]

“Plate XVII.” [Draft of plate seventeen with notations and illustrations in pencil. 1 pp.]

“Plate XVIII.” [Draft of plate eighteen with notations and illustrations in pencil. 1 pp.]

“Plate XIX.” [Draft of plate nineteen with notations and illustrations in pencil. 1 pp.]

“Plate XX.” [Draft of plate twenty with notations and illustrations in pencil. 1 pp.]

“Plate XXI.” [Draft of plate twenty-one with notations and illustrations in pencil. 1 pp.]

“Plate XXII.” [Draft of plate twenty-two with notations and illustrations in pencil. 1 pp.]

“Plate XXIII.” [Draft of plate twenty-three with notations and illustrations in pencil. 1 pp.]

“Plate XXIV.” [Draft of plate twenty-four with notations and illustrations in pencil. 1 pp.]

“Plate XXV.” [Draft of plate twenty-five with notations and illustrations in pencil. 1 pp.]

“Plate XXVI.” [Draft of plate twenty-six with notations and illustrations in pencil. 1 pp.]

“Plate XXVII.” [Draft of plate twenty-seven with notations and illustrations in pencil. 1 pp.]

“Plate XXVIII.” [Draft of plate twenty-eight with notations and illustrations in pencil. 1 pp.]

“Plate XXIX.” [Draft of plate twenty-nine with notations and illustrations in pencil. 1 pp.]

“Plate XXX.” [Draft of plate thirty with notations and illustrations in pencil. 1 pp.]

“Plate XXXI.” [Draft of plate thirty-one with notations and illustrations in pencil. 1 pp.]

“Plate XXXII.” [Draft of plate thirty-two with notations and illustrations in pencil. 1 pp.]

“Plate XXXIII.” [Draft of plate thirty-three with notations and illustrations in pencil. 1 pp.]

“Plate XXXIV.” [Draft of plate thirty-four with notations and illustrations in pencil. 1 pp.]

“Plate XXXV.” [Draft of plate thirty-five with notations and illustrations in pencil. 1 pp.]

“Plate XXXVI.” [Draft of plate thirty-six with notations and illustrations in pencil. 1 pp.]

“Plate XXXVII.” [Draft of plate thirty-seven with notations and illustrations in pencil. 1 pp.]

“Plate XXXVIII.” [Draft of plate thirty-eight with notations and illustrations in pencil. 1 pp.]

“Plate XXXIX.” [Draft of plate thirty-nine with notations and illustrations in pencil. 1 pp.]

“Plate XL.” [Draft of plate forty with notations and illustrations in pencil. 1 pp.]

“Plate XLI.” [Draft of plate forty-one with notations and illustrations in pencil. 1 pp. A small note is attached, “Plate 41 Set Only A, B, C and Plate and Number Border.”]

“Plate XLII.” [Draft of plate forty-two with notations and illustrations in pencil. 1 pp.]

“Plate XLIII.” [Draft of plate forty-three with notations and illustrations in pencil. 1 pp.]

“Plate XLIV.” [Draft of plate forty-four with notations and illustrations in pencil. 1 pp. A small note is attached, “Plate 44 Set Only Plate and Number Border.”]

1.2 P.T. # 1084

“Plate I.” [Draft of plate one with the history of gametes illustration and notations in pencil. 1 pp.]

“Plate 1.” [Draft of plate one and plate seven with label at the top, “Mortise plates 1, 7, and 41 at A, B, C, D, E, and F in cheapest way. 1 pp.]

“Plate II.” [Draft of plate two with meiosis, mitosis, and fertilization and first cleavage of cell illustrations and notations in pencil. 1 pp.]

“Plate III.” [Draft of plate three with mitosis illustration and notations in pencil. 1 pp.]

“Plate IV.” [Draft of plate four with cross section of the mammalian ovary, and sections of immature and mature mammalian follicles illustrations and notations in pencil. 1 pp.]

“Plate V.” [Draft of plate five with avian ovary, and immature and mature avian follicle illustrations and notations in pencil. 1 pp.]

“Plate VI.” [Draft of plate six with cross section illustrations of the mammalian testis, tubule of the epididymis, and the seminiferous tubule and notations in pencil. 1 pp.]

“Plate VII.” [Draft of plate seven with types of spermatozoa illustrations and notations in pencil. 1 pp.]

“Plate VII.” [Draft of plate seven with types of spermatozoa illustrations and notations in pencil. 1 pp.]

“Plate VIII.” [Draft of plate eight with illustrations of the cleavage and germ-layer formation in the starfish and notations in pencil. 1 pp.]

“Plate IX.” [Draft of plate nine with illustrations of the cleavage and germ-layer formation in the *Amphioxus* and notations in pencil. 1 pp.]

“Plate X.” [Draft of plate ten with illustrations of the cleavage and germ-layer formation in a frog and notations in pencil. 1 pp.]

“Plate XI.” [Draft of plate eleven with illustrations of the cleavage and germ-layer formation in a mammal and notations in pencil. 1 pp.]

“Plate XII.” [Draft of plate twelve with illustrations of the villi in humans, and the gravid uterus of the human and notations in pencil. 1 pp.]

“Plate XIII.” [Draft of plate thirteen with illustrations of the segmentation and primitive streak formation of the pigeon, and cross sections of chick embryos and notations in pencil. 1 pp.]

“Plate XIV.” [Draft of plate fourteen with illustrations of types of zygotes and a section of the chicken egg and notations in pencil. 1 pp.]

“Plate XV.” [Draft of plate fifteen with illustrations of an eighteen hour chick embryo and notations in pencil. 1 pp.]

“Plate XVI.” [Draft of plate sixteen with illustration of a twenty-four hour chick embryo and notations in pencil. 1 pp.]

“Plate XVII.” [Draft of plate seventeen with illustrations of a twenty-four hour chick embryo and notations in pencil. 1 pp.]

“Plate XVIII.” [Draft of plate eighteen with illustrations of a twenty-four hour chick embryo and notations in pencil. 1 pp.]

“Plate XIX.” [Draft of plate nineteen with illustration of a thirty-six hour chick embryo and notations in pencil. 1 pp.]

“Plate XX.” [Draft of plate twenty with illustrations of a thirty-six hour chick embryo and notations in pencil. 1 pp.]

“Plate XXI.” [Draft of plate twenty-one with illustrations of a thirty-six hour chick embryo and notations in pencil. 1 pp.]

“Plate XXII.” [Draft of plate twenty-two with illustrations of the formation of the extra-embryonic membranes of a chick and notations in pencil. 1 pp.]

“Plate XXIII.” [Draft of plate twenty-three with illustrations of the formation of the extra-embryonic membranes of a chick and notations in pencil. 1 pp.]

“Plate XXIV.” [Draft of plate twenty-four with illustrations of the development of the digestive tube in a chick and notations in pencil. 1 pp.]

“Plate XXV.” [Draft of plate twenty-five with illustration of a forty-eight hour chick embryo and notations in pencil. 1 pp.]

“Plate XXVI.” [Draft of plate twenty-six with illustrations of a forty-eight hour chick embryo and notations in pencil. 1 pp.]

“Plate XXVII.” [Draft of plate twenty-seven with illustrations of a forty-eight hour chick embryo and notations in pencil. 1 pp.]

“Plate XXVII.” [Draft of plate twenty-seven with illustrations of a forty-eight hour chick embryo and notations in pencil. 1 pp.]

“Plate XXVIII.” [Draft of plate twenty-eight with illustrations of a seventy-two hour chick embryo and notations in pencil. 1 pp. Two copies of another draft of plate twenty eight is wrapped around page. One has notations in pencil.]

“Plate XXIX.” [Draft of plate twenty-nine with illustrations of a seventy-two hour chick embryo and notations in pencil. 1 pp.]

“Plate XXX.” [Draft of plate thirty with illustrations of a seventy-two hour chick embryo and notations in pencil. 1 pp.]

“Plate XXXI.” [Draft of plate thirty-one with illustrations of a pig embryo and development of the coelom and notations in pencil. 1 pp.]

“Plate XXXII.” [Draft of plate thirty-two with illustrations of a pig embryo and notations in pencil. 1 pp.]

“Plate XXXIII.” [Draft of plate thirty-three with illustrations of the development of a chick heart and illustrations of a fully formed mammalian heart and notations in pencil. 1 pp.]

“Plate XXXIV.” [Draft of plate thirty-four with illustrations of the aortic arches and notations in pencil. 1 pp.]

“Plate XXXV.” [Draft of plate thirty-five with illustrations of foetal circulation and the umbilical cord and notations in pencil. 1 pp.]

“Plate XXXVI.” [Draft of plate thirty-six with illustrations of the pharynx, digestive tube, and mesonephroi of a human embryo and notations in pencil. 1 pp.]

“Plate XXXVII.” [Draft of plate thirty-seven with illustrations of the development of the digestive tube in humans and notations in pencil. 1 pp.]

“Plate XXXVIII.” [Draft of plate thirty-eight with illustrations of the development of the lungs, the pharynx and its derivatives, and the cervical glands and notations in pencil. 1 pp.]

“Plate XXXIX.” [Draft of plate thirty-nine with illustrations of the development of the Nephric tubules, the Pronephros and the Mesonephros, the Metanephros, Gonads, and Allantois, and Metanephros and the fate of the Mullerian and Mesonephric ducts and notations in pencil. 1 pp.]

“Plate XL.” [Draft of plate forty with illustrations of the neuromeric enlargements of the brain, and the development of the brain, and the brain of the 20 mm. pig embryo and notations in pencil. 1 pp.]

“Plate XLI.” [Draft of plate forty-one with illustrations of the development of the ear and notations in pencil. 1 pp.]

“Plate XLII.” [Draft of plate forty-two with illustrations of the development of the eye and notations in pencil. 1 pp.]

“Plate XLIII.” [Draft of plate forty-three with illustrations of the development of the face and notations in pencil. 1 pp.]

“Plate XLIV.” [Draft of plate forty-four with illustrations of the origin of the formed elements of blood and notations in pencil. 1 pp.]

“Plate XLIV.” [Draft of plate forty-four with illustrations of the origin of the formed elements of blood and notations in pencil. 1 pp.]

“Plate XLIV.” [Draft of plate forty-four with list of labels for the figure. 1 pp.]

“Plate XLIV.” [Plate forty four with illustrations of the origin of the formed elements of blood from the manual. 1 pp.]

Box 4 (2013.3.99)

Printing Plates. [A set of thirteen printing plates used in: Vecchierello, Hubert, and John L. Worden. *A Laboratory Manual of Vertebrate Embryology: A Volume for Use in College and Universities*. Paterson, N.J.: St. Anthony Guild Press, 1935.]

Box 5 (2013.3.99)

Gamete Life History Proof. [Approximately 25 ½ x 24 ½ cm. with illustration of zygote and its divisions with notations on the front and back. This is a section of the illustration from Plate I. 1 pp.]

Flower Sketches. [Hand drawn illustrations of various pieces and cross-sections of a flower with notes on figures. 6 pp.]

Mammalian Proofs. [Proofs of three illustrations for the manual. The illustrations are those found in Plate IV, which include a cross section of the mammalian ovary, and sections of immature and mature mammalian follicles. 1 pp.]

Proof. [Approximately 28 x 21 ½ cm. proof of an illustration. 1 pp.]

“Plate I.” [Approximately 35 x 40 cm. proof with the history of gametes illustration from Plate I with notations on the back. 1 pp.]

“Plate II.” [Approximately 35 x 40 cm. proof with meiosis, mitosis, and fertilization and first cleavage of cell illustrations from Plate II with notations on the back. 1 pp.]

“Plate III.” [Approximately 35 x 40 cm. proof with mitosis illustration from Plate III with notations on the back. 1 pp.]

“Plate IV.” [Approximately 35 x 40 cm. proof with cross section of the mammalian ovary, and sections of immature and mature mammalian follicles illustrations from Plate IV. 1 pp.]

“Plate V.” [Approximately 35 x 40 cm. proof with avian ovary, and immature and mature avian follicle illustrations with notations on the back. 1 pp.]

“Plate VI.” [Approximately 35 x 40 cm. proof with cross section illustrations of the mammalian testis, tubule of the epididymis, and the seminiferous tubule with notations on the back. 1 pp.]

“Plate VII.” [Approximately 33 ½ x 42 cm. proof with types of spermatozoa illustrations with notations on the back. 1 pp.]

“Plate VIII.” [Approximately 35 x 40 cm. proof with illustrations of the cleavage and germ-layer formation in the starfish with notations on the back. 1 pp.]

“Plate IX.” [Approximately 35 x 40 cm. proof with illustrations of the cleavage and germ-layer formation in the Amphioxus with notations on the back. 1 pp.]

“Plate X.” [Approximately 35 x 40 cm. proof with illustrations of the cleavage and germ-layer formation in a frog with notations on the back. 1 pp.]

“Plate XI.” [Approximately 35 x 40 cm. proof with illustrations of the cleavage and germ-layer formation in a mammal with notations on the back. 1 pp.]

“Plate XII.” [Approximately 35 x 40 cm. proof with illustrations of the villi in humans, and the gravid uterus of the human with notations on the back. 1 pp.]

“Plate XIII.” [Approximately 35 x 40 cm. proof with illustrations of the segmentation and primitive streak formation of the pigeon, and cross sections of chick embryos with notations on the back. 1 pp.]

“Plate XIV.” [Approximately 32 x 41 cm. proof with illustrations of types of zygotes and a section of the chicken egg with notations on the back. 1 pp.]

“Plate XV.” [Approximately 35 x 41 cm. proof with illustrations of an eighteen hour chick embryo with notations on the back. 1 pp.]

“Plate XVI.” [Approximately 35 x 40 cm. proof with illustration of a twenty-four hour chick embryo with notations on the back. 1 pp.]

“Plate XVII.” [Approximately 35 x 40 cm. proof with illustrations of a twenty-four hour chick embryo with notations on the back. 1 pp.]

“Plate XVIII.” [Approximately 35 x 40 cm. proof with illustrations of a twenty-four hour chick embryo with notations on the back. 1 pp.]

“Plate XIX.” [Approximately 32 x 40 cm. proof with illustration of a thirty-six hour chick embryo with notations on the back. 1 pp.]

“Plate XX.” [Approximately 35 x 40 cm. proof with illustrations of a thirty-six hour chick embryo with notations on the back. 1 pp.]

“Plate XXI.” [Approximately 35 x 40 cm. proof with illustrations of a thirty-six hour chick embryo with notations on the back. 1 pp.]

“Plate XXII.” [Approximately 35 x 40 cm. proof with illustrations of the formation of the extra-embryonic membranes of a chick with notations on the back. 1 pp.]

“Plate XXIII.” [Approximately 35 x 40 cm. proof with illustrations of the formation of the extra-embryonic membranes of a chick with notations on the back. 1 pp.]

“Plate XXIV.” [Approximately 35 x 40 cm. proof with illustrations of the development of the digestive tube in a chick with notations on the back. 1 pp.]

“Plate XXV.” [Approximately 32 x 40 cm. proof with illustration of a forty-eight hour chick embryo with notations on the back. 1 pp.]

“Plate XXVI.” [Approximately 35 x 41 cm. proof with illustrations of a forty-eight hour chick embryo with notations on the back. 1 pp.]

“Plate XXVII.” [Approximately 35 x 41 cm. proof with illustrations of a forty-eight hour chick embryo with notations on the back. 1 pp.]

“Plate XXVIII.” [Approximately 35 x 40 ½ cm. proof with illustrations of a seventy-two hour chick embryo with notations on the back. 1 pp.]

“Plate XXIX.” [Approximately 35 x 40 ½ cm. proof with illustrations of a seventy-two hour chick embryo with notations on the back. 1 pp.]

“Plate XXX.” [Approximately 35 x 40 ½ cm. proof with illustrations of a seventy-two hour chick embryo with notations on the back. 1 pp.]

“Plate XXXI.” [Approximately 35 x 40 ½ cm. proof with illustrations of a pig embryo and development of the coelom with notations on the back. 1 pp.]

“Plate XXXII.” [Approximately 35 x 40 ½ cm. proof with illustrations of a pig embryo with notations on the back. 1 pp.]

“Plate XXXIII.” [Approximately 35 x 40 ½ cm. proof with illustrations of the development of a chick heart and illustrations of a fully formed mammalian heart with notations on the back. 1 pp.]

“Plate XXXIV.” [Approximately 35 x 40 ½ cm. proof with illustrations of the aortic arches with notations on the back. 1 pp.]

“Plate XXXV.” [Approximately 35 x 40 ½ cm. proof with illustrations of foetal circulation and the umbilical cord with notations on the back. 1 pp.]

“Plate XXXVI.” [Approximately 35 x 40 ½ cm. proof with illustrations of the pharynx, digestive tube, and mesonephroi of a human embryo. 1 pp.]

“Plate XXXVII.” [Approximately 35 x 40 ½ cm. proof with illustrations of the development of the digestive tube in humans. 1 pp.]

“Plate XXXVIII.” [Approximately 35 x 40 ½ cm. proof with illustrations of the development of the lungs, the pharynx and its derivatives, and the cervical glands. 1 pp.]

“Plate XXXIX.” [Approximately 35 x 40 ½ cm. proof with illustrations of the development of the Nephric tubules, the Pronephros and the Mesonephros, the Metanephros, Gonads, and Allantois, and Metanephros and the fate of the Mullerian and Mesonephric ducts. 1 pp.]

“Plate XL.” [Approximately 35 x 40 ½ cm. proof with illustrations of the neuromeric enlargements of the brain, and the development of the brain, and the brain of the 20 mm. pig embryo. 1 pp.]

“Plate XLI.” [Approximately 35 x 40 ½ cm. proof with illustrations of the development of the ear. 1 pp.]

“Plate XLII.” [Approximately 35 x 40 ½ cm. proof with illustrations of the development of the eye. 1 pp.]

“Plate XLIII.” [Approximately 35 x 40 ½ cm. proof with illustrations of the development of the face. 1 pp.]

“Plate XLIV.” [Approximately 35 x 40 ½ cm. proof with illustrations of the origin of the formed elements of blood. 1 pp.]

Elements of Blood Proof. [Approximately 35 x 40 cm. proof for unknown plate. The illustrations are similar to those found on Plate XLIV. The diagram is scribbled out by pencil. 1 pp.]

Proof. [Approximately 15 ½ x 35 cm. proof for unknown plate with notations on the back, “IV bird’s ovary and follicles, V mammalian ovary and follicles, VI sec of the testis.” 1 pp.]

Proof. [Approximately 22 x 28 cm. proof for unknown plate. 1 pp.]

Proof. [Approximately 22 x 28 cm. proof for unknown plate. 1 pp.]

“Human Plate II.” [Approximately 28 x 38 cm. proof with hand drawn illustrations. 1 pp.]

“Reptile Plate V.” [Approximately 28 x 38 cm. proof with hand drawn illustrations. 1 pp.]

“Pisces Plate VI.” [Approximately 28 x 38 cm. proof with hand drawn illustrations. 1 pp.]

“Frog Plate I.” [Approximately 28 x 38 cm. proof with hand drawn illustrations. 1 pp.]

Proof. [Approximately 28 x 38 cm. proof with hand drawn illustrations of various animals. 1 pp.]

“Earthworm Plate III/Earthworm Plate IV.” [Approximately 28 x 38 cm. proof with hand drawn illustrations. 1 pp.]

“Just in Case.” [Approximately 28 x 38 cm. proof with hand drawn illustrations. 1 pp.]

Organisms Proof. [Approximately 35 x 28 cm. proofs with hand drawn illustrations of various organisms in ink. The boards are covered with tissue paper. Includes notations. 2 pp.]

Organisms Proof. [Approximately 43 x 36 cm. proof of various organisms. 1 pp.]

Organism Proof. [Approximately 43 x 35 cm. proof of organisms. 2 pp.]

Organism Proof. [Approximately 35 x 37 ½ cm. illustration of an organism with a hand drawn sketch. 1 pp.]

Proof. [Approximately 64 x 37 ½ cm. proof of various illustrations. Some are hand drawn. Includes notations. 1 pp.]

Proof. [Approximately 64 x 37 ½ cm. proof of various illustrations. One is hand drawn. 1 pp.]

Proof. [Approximately 64 x 37 ½ cm. proof of an illustration of a frog. The illustrations are hand drawn. 1 pp.]

Box 6 (2015.22 and 2017.26)

United States of America War Ration Book One. [Issued to Roman Arthur Pfeiffer in 1942.]

Postcard. [Photo of Franciscan Priest found in Bible from St. Bonaventure University Library give to Worden by Fr. Irenaeus, Librarian, circa 1960.]

Postcard. [St. Elizabeth's Academy, Allegany, NY.]

Postcard. [Grotto, St. Elizabeth's Academy, Allegany, NY.]

Postcard. [Mt. Calvary, St. Bonaventure Cemetery, showing St. Elizabeth's Academy, Allegany, near Olean, NY.]

Blank Card. [Engraved with St. Bonaventure University and emblem.]

Student Handbook. [1963-1964; inscribed Robert L. Worden, 145 N. Barry St. Olean, New York.]

Holy Bible. [Note inside: "Rebound by Rev. Joseph Ruether, OFM 4 March 1981.]

Alpha Kappa Mu Membership Card. [Membership card for Honorary Science Fraternity for Fr. Hubert Vecchierello, OFM, signed by James W. Kelley.]

St. Bonaventure University Dinner ticket. [Unknown event]

St. Bonaventure College Matchbook.

Invitation. [Invitation to attend Tea Musicale by the St. Bonaventure Symphony Orchestra at Ashton Parish House on South Barry Street in Olean.]

Small Purse. [Unknown origin. Most likely given as party favor at a dance.]

Medal of St. Francis and St. Clare from Assisi. [Attached to card reading, "Founders Day, St. Bonaventure University, April 21, 1982.]

Admission Ticket. [For the Fifth Annual Gaudete Medal Awards Ceremony and Luncheon, March 23, 2000]

St. Bonaventure University Gaudete Medal Ornament.

St. Bonaventure University 150th pin. [For Devereux Society Members 2007-2008. (2017.26.1)]

Five Mile Valley at Dusk. [Negative print. 8 ¼ in. x 7 in. 1940.]

Friedsam Memorial Library at St. Bonaventure College. [Negative print. 9 ¼ in. x 7 ¼ in. 1940. (2017.26.2)]

Box 7 (2019.18)

St. Bonaventure University Freshmen Class of 1971 Cap/"Dink" (2019.18.1)

St. Bonaventure Red Nightgown (2019.18.2)

St. Bonaventure University Folder [Inside has History and Objectives descriptions (2019.18.3)]

St. Bonaventure pin (2019.18.4)

St. Bonaventure College Matchbook (2019.18.5)

"Memorials from Proceedings of the Ninety-Fourth Meeting American Association of Anatomists, April 1981." *The Anatomical Record* 201.2 (October 1981): 356. [Reprint of the original journal. A picture of Worden is on p. 356, along with an obituary written by Stephen Eaton on p. 375. Another copy can be found in Box 2 of collection (2019.18.7)]

Additional Objects in the Collection:

Civil War Era Microscope. [This item is located in the Archives. (1979.1.1)]

Microscope. [Carl Zeiss No. 44652. This item is located in the Archives. (1979.1.2)]

Watch Fob with Chain. [A large white B on brown background with the St. Bonaventure College's seal on the bottom. This was most likely John L. Worden's. (2011.9.2)]

"Looking West Over Allegany." [Photograph of the Allegany River Valley by John L. Worden. ca. 1940. This item is located in the Archives. (2013.17)]

BonaVenture. [32 issues published between 1967-1971 (2019.18.6)]

2023.14

Box 1 and 2 (2023.14)

Box 1

1. Early Life

Worden Family Tree. [Scrap of paper with Worden family members listed. 1 pp.]

Girls' Debating Club Assembly Program. [April 12, 1922. 4 pp.]

Dental Radiograph. [Dental X-Rays from 12-13-1924. 1 pp.]

LaSalle State Bank Check. [Check made out to Binghamton, NY Chief of Police by Worden in 1928. 1 pp.]

2. Music Hall Opening, January 1934

Program. [New Hall of Music Opening Program, January 14, 1934. 1 pp.]

3. Science Newsletter, June 1, 1935

Review of *A Laboratory Manual of Vertebrate Embryology* by Hubert Vecchierello and John L. Worden. [Typed review of manual.]

4. Mitosis and Meiosis

Genetics Lab 402 for Mitosis and Meiosis. [9 pp.]

5. Embryology Final Examination.

Part III of Embryology Final Examination. [Some pencil markings on typed exam. 1 pp.]

6. Student Listing.

Envelope. [Envelope addressed to Worden from Mother Superior General of the Missionary Sisters of the Immaculate Conception in St. Bonaventure, NY.]

Histology. [1 pp. with names typed for Histology and Embryology courses.]

Courses. [2 pp. with handwritten notes for courses and student names.]

Biology 204. [1 pp. with courses and student names typed and handwritten.]

7. Course Outline and Directions for Botany Laboratory, 1936

Course Outline and Directions for Botany Laboratory. [Includes 14 loose pages with 11 pages of pencil drawings. Drawings by Leone Worden and stamped with St. Bonaventure Biology Lab and signed by Hubert Vecchierello in November and December 1936. 28 pp.]

8. Course Outline for Freshman Hygiene, 1937

Course Outline for Freshman Hygiene. [Cover has 1st edition 1937 written in pencil. 38 pp. Includes 9 looseleaf pages, some with notes written in pencil.]

9. SBU Alumni Christmas Card

Christmas Card. [Christmas card ca. 1940s. Inscribed with Alma Mater's Christmas Greeting to her sons near and far and signed by Fr. Thomas Plassman, O.F.M. May have had a calendar attached to the bottom.

10. SBU Stationary-Engineering, Science and Management War Training, 1942-1945

Stationary. [Blank stationary. At the top is St. Bonaventure College, St. Bonaventure, New York and Engineering, Science and Management War Training in Cooperation with Federal Security Agency U.S. Office of Education. Circa 1942-1945. 3 pp.]

11. Reverend Thomas Plassmann, 1949 & 1959

Feast Day of Very Rev. Thomas Plassmann, O.F.M. [Menu from Plassmann's Feast Day on March 7, 1949.]

Father Tom 1879-1959. [Message from University President Very Rev. Brian Lhota, O.F.M. on the passing of Very Rev. Thomas Plassmann. Includes photograph of Plassmann with recollections of his life on the back. This can be folded into tabletop card. 4 pp.]

12. Correspondence

Letter, Unidentified date. [Small snippet of a letter from one of Worden's sons about his sister Margaret going to a "good school" that is "not St. B's."]

Letter, April 25, 1951. [Letter to John Worden from F. Dickman, Credit Manager at McGraw-Hill Book Company, Inc., about an overdue payment for two books. 1 pp.]

Letter, June 3, 1969. [Letter from John Worden to Mr. Gleichauf at Bausch & Lomb about microscopes damaged in a fire. 1 pp.]

Letter, February 9, 1970. [Letter from John Worden to Mr. Frank Ragulsky, Chairman of Competition declining to serve as a judge for Press Day. 1 pp.]

Letter, February 16, 1970. [Letter from Mrs. Sam Moy to Dr. and Mrs. Worden discussing family life in Massachusetts. Includes envelope and notations in pen are on the letter. 2 pp.]

Letter, March 27, 1973. [Letter from John Worden to Dr. Kenneth Anderson about Meagher dissertation. 1 pp.]

Letter, July 11, 1974. [Letter from John Worden to Fr. Crispin Maguire with recommendations for new members of the Board of Trustees. 1 pp.]

Interoffice envelope. [Interoffice envelope addressed to Prof. Worden, Biology. Other names include Rev. Juvenal Lalor, Fr. White, Rev. Christopher Hee, Prof. Hayes, Fr. Maurice, Vincent Devine, Prof. Jandoli, Fr. Vincent, Fr. Celsus, and Mr. White.]

13. Doctorate Degree, 1956

Commencement Announcement. [Excerpt from School of Graduate Studies Announcements 1954-1956, p. 42. 1 pp.]

Official Notice to Candidates for Graduate Degrees. [Schedule for commencement on June 3, 1956. 1 pp.]

Postcard. [Postcard congratulating Dr. Worden signed Leo.]

Letter, June 6, 1956. [Letter to Worden from Jeanne Baxter congratulating Dr. Worden. 2 pp.]

Card. [Congratulation card from The Merith???

Card. [Card from Sr. M. Regina to Dr. Worden. Card also includes prayer cards and envelope.]

Card, May 30, 1956. [Card from Sister Mary Esther congratulating Worden. Includes envelope and another blank card.]

Letter, June 5, 1956. [Letter to John Worden from Bill congratulating Worden. 1 pp.]

Card. [Card to Worden from The Gillig? Congratulating Worden.]

Bonalumnum. [Newsletter from May-June 1956, vol. 4, no. 3. Worden is mentioned on page 6. 8 pp.]

Card. [Congratulations card with no signature.]

Card. [Congratulation card signed Lee. Includes envelope.]

Commencement program. [Commencement program, May 31-June 3, 1956. Worden is mentioned on page 14 as receiving a Doctor of Philosophy degree. 16 pp.] (2 copies)

14. Biology Class Review.

[Review from students from Worden's Biology 301 class. 1 pp.]

15. Loyalty Appreciation and Franciscan Service Gifts, 1958-1959

Loyalty, Appreciation, and Franciscan Service Gifts to St. Bonaventure University, July 1, 1958-June 30, 1959 [13 pp.]

16. Progress, R.M. Houghton, 1964.

Progress, R.M. Houghton. [Paper written by R.M. Houghton dated October 29, 1964. Includes discussion of St. Bonaventure establishing research foundation. 7 pp.]

17. U.S. Dept. of Health, Education & Welfare Research Grant Application, 1964

U.S. Department of Health, Education, and Welfare Application for Research Grant. [Application for "Environmental Effects on Blood and other Tissues." The project director is listed as Felix A. Jacques and would take place from September 1965 to August 1966. 16 pp.]

18. Dr. Hubert P. Vecchierello, 1966

Obituary. [Obituary for Dr. Hubert P. Vecchierello from Scranton, PA newspaper on January 29, 1966. 1 pp.] (2 copies)

19. Recommendations

Rating Chart of the Committee on Recommendations Natural Science and Mathematics Group. [Blank rating chart. Unknown date. 1 pp.]

Reference: Margaret Worden. [Recommendation form for Margaret Worden from John Worden to University at Buffalo. 2 pp.]

Letter. [Letter from Mary Elaine Anderson to John Worden asking for a reference.]

Letter, March 15, 1966. Letter to Melvin Redmount from John Worden discussing Sr. Mary Esther Rhone and her nomination for American Chemical Society High School Teacher of the Year. 2 pp.]

Letter, June 7, 1968. [Letter to John Worden from Rajat K. Bhattacharya about reference for Robert J. Uicker. Attached is a letter (February 9, 1977) from John Worden to Dr. David S. Sarnar regarding being a reference for Robert J. Uicker. 1 pp.]

Letter, March 26, 1968. [Letter from John Worden to Dr. Peter S. Finlay regarding reference for Arnold Borer. 1 pp.]

Letter, November 23, 1968. [Letter from Worden to Director of the Teaching Intern Program at Colgate University regarding reference for Eileen J. Dollard. 1 pp.]

Letter, March 15, 1968. [Letter from Worden to Dr. Gertrude Hinsch regarding reference for Kathleen Simmons. 1 pp.]

Letter, May 1, 1969. [Letter from Virginia Evans to John Worden about vacancies at the National Institutes of Health. 1 pp. Attached is a letter from Frances Jones to Sharon Wilbert regarding employment on April 10, 1969. 1 pp.]

Address. [Address for a reference for Thomas D. Bruno. Sent 2/4/69 is written in pencil.]

Letter, September 16, 1969. [Letter from Worden to the Education Department at the Roswell Park Memorial Institute for Sharon Wilbert. 1 pp.]

Letter, September 2, 1969. [Handwritten letter to Dr. Worden from Sharon Wilbert asking for a recommendation letter. 2 pp.]

Letter, unknown date. [Letter to Dr. Evans at the National Cancer Institute regarding employment opportunities. 1 pp.]

Letter, February 9, 1970. [Letter from Worden to Director of the Education Department at Roswell Park Memorial Institute regarding reference for Rosalind DeSabantonio. 1 pp.]

Letter, February 14, 1970. [Letter from Worden to Katherine Spelman regarding reference for Rosalind DeSabantonio. 1 pp.]

Letter, September 29, 1969. [Letter to John Worden regarding reference for Vivienne Tai. 1 pp.]

Letter, October 7, 1969. [Letter from Worden to Chief Personnel Officer about reference for Vivienne Tai. 1 pp.]

Letter, September 7, 1969. [Letter to Worden from Vivienne Tai regarding references. 2 pp. Includes envelope.]

Reference Report. [Reference for Kathleen Simmons from John Worden. March 26, 1969. 1 pp.]

Letter, February 18, 1969. [Letter from John Worden to Louis Rayburn regarding reference for Dr. Sebastian Cherian. 1 pp. Attached is a handwritten letter from Dr. Cherian regarding reference and separate page with address for Louis Rayburn. 2 pp.]

Letter, February 4, 1969. [Letter from Worden to Katherine Spelman about reference for Susan Skomski. 1 pp. Attached is an application for Student Proctor at St. Bonaventure from December 4, 1968. 3 pp.]

Letter, February 4, 1969. [Letter from Worden to C. Thomas Cummings regarding reference for Thomas Bruno. 1 pp.]

Letter, November 20, 1969. [Letter from Worden to Dr. Charles Boyer regarding reference for Mary McHugh. 1 pp.]

Letter, November 20, 1969. [Letter from Worden to Dr. Charles A. Evans regarding reference for Susan Skomski. 1 pp.]

Letter, March 1, 1970. [Letter from Worden to the Roswell Park Memorial Institute Education Department regarding reference for Mary McHugh. 1 pp.]

Letter, June 1, 1970. [Letter from Worden regarding reference for Miss Kenny. 1 pp.]

Letter, June 1, 1970. [Letter from Worden regarding reference for Miss Skomski. Miss Skomski's name is crossed off in pen and includes notation "To Univ Tchr placement." 1 pp.]

Letter, June 1, 1970. [Letter from Worden to St. Bonaventure's placement office regarding reference for Geraldine Kenny. 1 pp.]

Letter, August 14, 1970. [Letter from Worden to Sister Stella Marie regarding reference for Mary E. Anderson. 1 pp.]

Letter, April 29, 1970. [Letter from Worden to Dr. Richard B. Parker regarding reference for Dr. Rudolph Schrot. Includes envelope with Schrot's address. 1 pp.]

Letter, March 30, 1970. [Letter from Worden to Jack D. Holland regarding a reference for Dr. Rudolph Schrot. 1 pp.]

Letter, May 5, 1970. [Letter from Worden to Dr. Alan McGowan regarding reference for Dr. Rudolph Schrot. 1 pp.]

Letter, March 1, 1970. [Letter from Worden to Rev. Gervase White regarding reference for Jame Ungvarsky. 1 pp.]

Letter, April 24, 1970. [Letter from Frank Collins to John Worden regarding a reference for Gary Grandusky. 1 pp. Attached is letter from Worden to Frank Collins on April 29, 1970.]

Letter, January 7, 1970. [Letter from Worden to Oliver Kitzen regarding reference for Caron Crist. 1 pp. Attached is a letter from Kitzen to Worden on January 5, 1970. 1 pp.]

Letter, December 17, 1969. [Letter to Fairview Park General Hospital from Worden about reference for Caron Crist. 1 pp.]

Letter, March 17, 1970. [Letter from Worden to Fr. Ernest P. O'Donnell regarding reference for Caron Crist. 1 pp.]

Letter, March 11, 1970. [Letter from Worden to Dr. G. Fruehwirth regarding applications for Ellen Creighton and Margaret Worden. 1 pp. Attached is a small piece of paper with handwritten notes.]

Interoffice Communication. [Interoffice communication from Worden to Dr. Al Nothem regarding Timothy Augustine. 1 pp.]

Letter, October 27, 1970. [Letter from Garret Glennon to Dr. Worden about a letter of recommendation. The second page has three addresses to send recommendations to with handwritten notes. 2 pp. Attached is small thank you card from Thomas Rowland thanking Worden for a report on Garret Glennon.]

Letter, unknown date. [Letter from Worden to Philadelphia College of Osteopathic Medicine regarding reference for Garret Glennon. 1 pp.]

Letter, December 11, 1970. [Letter from Worden to College of Osteopathic Medicine at Michigan State University regarding a recommendation for Garret Glennon. 1 pp.]

Letter, from F.M. Walter to Worden asking for a recommendation for Garret Glennon. 1 pp.]

Application Reference, August 19, 1971. [Application reference for John P. Duffy by John Worden. 1 pp.]

Letter, February 16, 1971. [Letter from Worden to Bert O. Thomas regarding reference for Kathleen Jones. 1 pp.]

Letter, December 14, 1971. [Letter from A. Jerome Miller (cc. John Worden) to John M. Vander Voort regarding evaluation of Dr. Albert A. De Matteis. 1 pp.]

Letter, January 13, 1972. [Letter from Worden to Camille Pere regarding reference for Sharon O'Neil. 1 pp.]

Application Evaluation form, February 18, 1972. [Evaluation form completed by John Worden for Sister Violet Maureen Morley for State University of New York at Stony Brook. 1 pp.]

Letter, February 21, 1972. [Recommendation letter for Mr. Lucyszyn. Handwritten notes are on the letter. 1 pp.]

Letter, May 1, 1972. [Letter from Worden to SBU's Placement office regarding an evaluation for James Siniscalchi. 1 pp.]

Letter, June 20, 1972. [Letter from Oscar J. Pultz to Worden regarding an evaluation for Andrew Lucyszyn. 1 pp.]

Letter, June 26, 1972. [Letter from Worden to Oscar J. Pultz regarding an evaluation for Andrew Lucyszyn. 1 pp.]

Letter, November 8, 1972. [Letter from Worden to Dean of College of Dentistry at Howard University regarding recommendation for Walter Kulick. 1 pp.]

Letter December 2, 1972. [Letter from Worden to Dean of the New Jersey Dental School regarding a recommendation for Walter Kulick. 1 pp.]

Letter, December 18, 1972. [Letter from Worden to Director of Laboratories at Monmouth Medical Center regarding a recommendation for Kathlee Ann Brunhofer. 1 pp.]

Letter, January 25, 1973. [Letter from A.F.F. asking Worden to write a recommendation letter for Kathleen Brace. Handwritten. 1 pp.]

Letter, January 25, 1973. [Letter from Worden to Admissions Committee at the California School of Podiatric Medicine regarding a recommendation for Kathleen Brace. 1 pp.]

Letter, February 10, 1973. [Letter from Worden to Admission Committee at St. Bonaventure University regarding a recommendation for Eileen P. Bross. 1 pp.] (3 copies)

Letter, March 23, 1973. [Letter from Worden to the Department of the Army regarding a recommendation for Walter Kulick. 1 pp.]

Letter, April 20, 1973. [Letter from Worden to Dr. Snider regarding a recommendation for John R. Walker. 1 pp.]

Letter, January 29, 1974. [Letter from Worden to Admissions Office at Ohio State University regarding a recommendation for Ellis C. Moore. 1 pp. Attached is a copy of the letter without the address]

Letter, March 6, 1974. [Letter from Eleanor Bergen to Worden regarding a reference for Margaret Worden. 1 pp.]

Letter, June 24, 1974. [Letter from Worden to the Director of Admissions at Villa Maria College regarding a recommendation for Kathleen Anderson. 1 pp.]

Letter, October 29, 1974. [Letter from Worden to Mrs. James Christie regarding a recommendation for Mrs. John Nickols. 1 pp.]

Letter, November 11, 1974. [Letter from Worden to Graduate School of Social Service at Indiana University regarding a recommendation for Mary Anderson. Attached is a Release of Information form. 1 pp.]

Letter, unknown date. [Handwritten letter from Michael H. Tardugno to Worden regarding recommendation letter. 2 pp.]

Letter, unknown date. [Letter from Michael H. Tardugno asking for a recommendation letter. Includes handwritten notes on the letter. 1 pp.]

Letter, April 16, 1975. [Letter from Worden to R.D. Moore regarding a recommendation for Michael H. Tardugno. Includes copy of the letter that is not on SBU letterhead. 1 pp.]

Postcard. [Postcard from the Office of Graduate Studies at Case Western Reserve University acknowledging recommendation letter for Anne Feller.]

Recommendation form, June 30, 1975. [Completed recommendation form for Anne Feller for Case Western Reserve University. 1 pp.]

Letter of Recommendation form, June 10, 1976. [Completed recommendation form for Jeremy Reck Noles. 1 pp.]

Letter, May 25, 1977. [Handwritten letter to Worden from Roberta Gammon asking for a reference. 1 pp.]

Letter, June 1, 1977. [Letter from Worden to Roberta Gammon regarding recommendation letter. 1 pp.]

Letter, September 14, 1977. [Letter from Worden to Michael N. Sheridan regarding a recommendation for Gary G. Kochersburger. 1 pp.]

Letter, February 2, 1979. [Letter from Worden to M.K. Kutsche regarding a recommendation for Susan Arendacs. 1 pp.]

20. Class Record Books

1969-70. [Class Record book for Histology 301 and Bio 302. Includes class lists and interoffice communication for a student dropping the course.]

1970-71. [Class Record book for Histology 301, Bio 541, Bio 535, and Bio 202. Includes Graduate Record Exam Score sheet for 1971 seniors. 1 pp.]

1971-72. [Class Record book for Histology 301, Bio 541, and Bio 302. Includes scraps of paper with notes on it, a letter from A. Jerome Miller about class rosters, and class rosters for each class.]

1972-73. [Class Record book for Histology 301, Bio 541, Bio 535, Bio 536, Bio 418, and Bio 302.]

21. SBU Directories, 1970s

Telephone Directory. [Telephone directory for SBU. 2 pp. Unknown date.]

Telephone Directory. [Telephone directory for SBU. 2 pp. Unknown date.]

Campus Directory 1976-1977. [Campus Directory for 1976-1977. 38 pp.]

Campus Directory 1977-1978. [Campus Directory for 1977-1978. 43 pp.]

22. Master Faculty File Information, 1971.

Letter, February 1, 1971. [Letter from Rev. Cornelius Welch to Faculty Members asking them to fill out the Master Faculty File Information form. 1 pp.]

Faculty Master File. [Completed Faculty Master File form for John Worden. 2 pp.] (2 copies)

23. Community Leaders of America, 1971.

Letter, 1971. [Letter from the Community Leaders of America congratulating the leader on being selected to appear in the 5th edition. 1 pp. Also includes an envelope and a half page of the same letter that has been cut in half.]

24. 1971-1972 Class Schedule and Enrollment

Class Schedule. [Includes Worden's schedule for 2nd semester, 1971-1972.]

Roster, Spring 1972. [Enrollment figures for Spring 1971-1972 for Undergraduate and Graduate courses in the Science department. 1 pp.]

Letter. [Letter from A. Jerome Miller asking for faculty to report any changes for teaching loads including staff and room assignments. 1 pp.]

25. Faculty Senate, 1972.

Faculty Senate Minutes, October 13, 1972. [4 pp.]

Faculty Senate Minutes, November 17, 1972. [2 pp. Includes minutes for the Ad Hoc Committee Meeting on Grievances of November 14, 1972 (1 pp.), and a report from the Faculty Status and Welfare Committee (2 pp.)]

26. SBU Stationary, Department of Biology and Emergency Medical Services

Stationary. [SBU Stationary with Department of Biology and Emergency Medical Services on the letterhead. 2 pp.]

27. Retirement, 1973

Guest Book. [Guest book for Worden's retirement party and the Wordens' 40th anniversary. Dr. John L. Worden 1933-1973 is embossed on the front cover. Includes signature of Fr. Irenaeus who gave him the guestbook on the inside front cover, and a certificate from St. Mary of the Angels Church for the Wordens' vow renewal on December 6, 1973.]

Letter, May 11, 1973. Letter from Ewald B. Nyquist at the State Education Department to Worden congratulating him on his 42nd year of teaching. Includes two drafts of the letter with handwritten notes.]

"Dr. John Worden Given Emeritus Rank at St. Bona." *Olean Times Herald* 26 May 1973: 4. [Article discussing Worden's retirement and emeritus rank. Includes two copies of the original and copy sent in an email.]

"In other March 23 proceedings..." [Four copies of an article in an unknown newspaper about Worden's nomination for professor emeritus.]

"Retirements to Reduce Faculty Ranks at Bona." 8 May 1973. [Two copies of a news article discussing Worden' and other professors' retirement.]

"Bona Professor Nominated for Emeritus Status." *Bradford Era*. [News article discussing Worden's nomination for professor emeritus.]

"Dr. Worden Retiring at St. Bonaventure." 22 May 1973. [News article from a Buffalo Newspaper announcing Worden's retirement. Includes a note from the person sending Worden the news article.]

Letter, May 22, 1973. [Handwritten letter with envelope from Finnbarr and Joanne Conroy congratulating Worden on his retirement.]

Card, May 21, 1973. [Handwritten letter in card from Norma thanking them for the gift.]

Retirement Card. [From Annie and Bob Parry.]

Retirement Card. [From Emma. Includes letter written May 23, 1973, congratulating Worden.]

Card. [From Beth Norris with handwritten note.]

Retirement Card. [From Anne and Bob with handwritten note.]

Retirement Card. [From Margaret Sabatino with handwritten note.]

Retirement Card. [From Norris and Lavina Phillips.]

Retirement Card. [From 'Joinete H.(sp?) with handwritten note.]

Retirement Card. [From Sr. Ann Perpetus Kealy with handwritten note.]

Best Wishes Card. [Note on card reads: orchid corsage, boutonniere, flowers from able, Iris, lilies, pink snapdragon, gysophelia.

Card. [From Louise and Cal Dunlap with handwritten note.]

Congratulations card. [From Jerry and Anne Miller.]

Retirement Card. [From ____ Corigan?]

Invitation. [Invitation to cocktails in honor of Dr. Worden on May 13, 1973.]

Blank stationery. [Stationary with the letterhead: John L. Worden/St. Bonaventure College/St. Bonaventure, New York. 1pp.]

March 23, 1973, Faculty Senate announcement. [Announcement for the Faculty Senate meeting on March 23, 1973, where Worden was given emeritus status. 1 pp.]

28. Friedsam Memorial Library Resource Center, 1974.

Program. [Two programs for the dedication of the Friedsam Memorial Library Resource Center on September 29, 1974. 12 pp. Includes Honor and Remember with a book brochure. (2 copies) 4 pp.]

29. Tissue Culture Association 1974, 1977

Membership Roster and Annual Report, May 1, 1974. [1973 report and roster from the Tissue Culture Association. Worden is listed on page 75. 76 pp.]

Membership Roster. [June 1, 1977, roster for the Tissue Culture Association. Worden is listed on page 44 and 50. 64 pp.]

30. Reverend Mathias F. Doyle Inauguration 1976.

Liturgy. [Liturgy program for Rev. Mathias F. Doyle Inauguration on May 4, 1976. 12 pp.] (2 copies)

Schedule of Events. [Schedule for May 4-5, 1976 inauguration. 1 pp.]

Invitation. [Invitation for the inauguration. 1 pp.]

Program. [Inauguration program for May 5, 1976. 11 pp.]

31. SBU Contracts

1935 Contract of Employment. [Worden is listed as Assistant Professor. It is signed by Worden and Rev. Christopher Hee. 1 pp.]

1951 Instructor's Employment Contract. [Includes envelope. The contract is signed by Worden and Rev. Juvenal Lalor. 1 pp.]

1952 Instructor's Employment Contract. [The contract is signed by Rev. Juvenal Lalor. 1 pp.]

1953 Instructor's Employment Contract. [The contract is signed by Rev. Juvenal Lalor. 1 pp.]

Letter, June 9, 1954. [Letter to Worden from Rev. Juvenal Lalor about his contract for 1954-1955. 1 pp.]

1954 Instructor's Employment Contract. [The contract is signed by Rev. Juvenal Lalor. 1 pp.]

Salary Ranges for Different Ranks of Teaching Staff. [Salary ranges for four different teaching ranks effective September 1, 1955.]

Letter, June 13, 1955. [Letter to Worden from Rev. Juvenal Lalor about his 1955-1956 contract. 1 pp.]

1955 Instructor's Employment Contract. [The contract is signed by Rev. Juvenal Lalor. 1pp.]

Letter, March 28, 1956. [Letter to Worden from Rev. Brian Lhota about his 1956-1957 contract. 1 pp.]

1956 Instructor's Employment Contract. [The contract is signed by Worden and Rev. Brian Lhota. 1 pp.]

Salary Ranges for Different Ranks of Teaching Staff. [Salary ranges for four different teaching ranks effective September 1, 1956. Two notations made in pencil.]

Letter, March 26, 1957. [Letter from Fr. Brian Lhota to Worden about his 1957-1958 contract. 1 pp.]

Letter, April 8, 1957. [Letter from Worden to Rev. Brian Lhota asking for a discussion about salary. 1 pp.]

Letter, April 17, 1957. [Letter from Rev. Brian Lhota to Worden acknowledging contract. 1 pp.]

1957 Instructor's Employment Contract. [The contract is signed by Rev. Brian Lhota. 1 pp.]

1958 Faculty Appointment Agreement. [Contract is signed by Rev. Brian Lhota. 1 pp.]

Letter, February 1958. [Letter to faculty from Rev. Brian Lhota discussing a new Faculty Status and Welfare handbook and an increase in salary for anyone earning a doctorate. 1 pp.]

Letter, March 1, 1958. [Letter from Rev. Brian Lhota to Worden about his contract. 1 pp.]

Letter, March 1, 1959. [Letter from Rev. Brian Lhota to Worden about a revised contract. Includes envelope. 1 pp.]

1959 Faculty Appointment Agreement. [The contract is signed by Rev. Brian Lhota. 1 pp.]

Letter, March 1, 1961. [Letter from Brian Lhota to Worden about his revised contract. Includes envelope. 1 pp.]

1961 Faculty Appointment Agreement. [The contract is signed by Rev. Brian Lhota. 1 pp.]

Letter, February 12, 1962. [Letter from Fr. Francis Kearney to Worden regarding Worden's request for an increase in salary. Includes envelope. 1 pp.]

Letter, February 28, 1962. [Letter from Fr. Francis Kearney to Worden discussing his salary raise based on merit. 1 pp.]

1962 Faculty Appointment Agreement. [The contract is signed by Fr. Francis Kearney and John Worden. 1 pp.]

Letter, unknown date. [Letter addressed to Professor about new contracts from Fr. Francis Kearney. Includes envelope. 1 pp.]

1963 Faculty Appointment Agreement. [The contract states the annual sum is for a period of three years and is signed by Fr. Francis Kearney and John Worden. 1 pp.]

Letter, March 28, 1962. [Letter from Worden to Fr. Kearney about his contract. 1 pp.]

Letter, February 28, 1964. [Letter from Fr. Francis Kearney to Worden discussing his salary for the coming year. Includes envelope. 1 pp.]

Letter, March 6, 1965. [Letter from Fr. Francis Kearney to Worden discussing a salary raise for the upcoming year. Includes envelope. 1 pp.]

1966 Faculty Appointment Agreement. [The contract is for three years and is signed by Fr. Francis Kearney. Includes envelope. 1 pp.]

Letter, February 28, 1966. [Letter from Fr. Francis Kearney to Worden about his contract for the upcoming year. Notations are made in pen. 1 pp.]

Letter, February 28, 1967. [Letter from Fr. Francis Kearney to Worden about raise in salary for the upcoming year. Includes envelope. 1 pp.]

Letter, January 25, 1968. [Letter from Fr. Reginald A. Redlon to faculty members announcing that the university would pay all the retirement and Blue Cross-Blue Shield premiums on faculty member policies in lieu of salary raises for 1968-1969. It also announces that the university will move to a biweekly payroll. Includes envelope. 1 pp.]

Letter, February 28, 1968. [Letter from Fr. Reginald Redlon to Worden announcing his salary for the upcoming year. 1 pp.]

Letter, February 28, 1969. [Letter from Fr. Reginald Redlon to Worden about his new contract. Includes envelope. 1 pp.]

1969 Faculty Appointment Agreement. [The contract is signed by Fr. Reginald Redlon. 1 pp.]

Letter, February 28, 1970. [Letter from Fr. Reginald Redlon to Worden about his salary for the upcoming year. Includes envelope. 1 pp.]

Letter, December 15, 1970. [Letter from Fr. Reginald Redlon to John Worden about his salary for the upcoming year. Includes envelope. 1 pp.]

Letter, February 23, 1971. [Letter from Dr. Al Nothem to faculty discussing the 1971-1972 salary scale. 1 pp.]

Letter, August 2, 1971. [Letter from Rober J. Brill to faculty announcing 27 pay days instead of 26. Includes envelope and pay day schedule. 3 pp.]

Letter, September 2, 1971. [Letter from Robert Brill to faculty about President Nixon's Wage-Price-Rent Freeze and freezing salaries at SBU. 1 pp.]

Letter, November 16, 1971. [Letter to Worden from Robert Brill discussing situation with Worden's gross bi-weekly payroll amount. 2 pp.]

Note, unknown date. [Letter to “Faculty Member” discussing enclosed check.]

Note. [Note discussing NYS withholding taxes for enclosed check.]

Note. [Note discussing NYS withholding taxes for enclosed check.]

Letter, December 14, 1971. [Letter from Fr. Reginald Redlon to faculty members discussing a contract delay while they seek approval of the Pay Board and Price Commission in Washington, D.C. 1 pp.]

Letter, December 15, 1971. [Letter from Fr. Reginald Redlon to Worden discussing his salary for the upcoming year. Includes envelope. 1 pp.]

32. Professional Activities

Listing. [Small biographical listing for Worden. 1 pp.]

Letter, February 1, 1971. [Letter from Boyd Litzinger to faculty members asking them to complete the professional activities form. 1 pp.]

Current Activities. [List of Worden’s current activities at SBU. 1 pp. Includes sheet of paper with some notes.]

International Who’s Who in Community Service. [Biographical information on Worden. 1 pp.]

Engineering, Science and Management Program. [Information about the program, including what Worden did. 1 pp.]

Dr. Nothem’s Request, 12/1/1970. [Biographical information for Worden. 1 pp.]

Dean’s ofc, 11/12/1962. [Biographical information on Worden. 3 pp.]

Letter, November 30, 1972. [Letter from Boyd Litzinger to faculty members asking for biographical information for an Annual Report on the School of Arts and Sciences. 1 pp. Includes a filled-out form by Worden. 2 pp.]

Biographical Information. [Information on Worden for publication. 1 pp.]

33. Certificates/Memberships

American Chemical Society. [Form to complete a certificate of membership.]

Alpha Kappa Mu. [Certificate for science fraternity at SBU. Dated May 20, 1936, and signed by Francis Zinzi, William Davis, John Zuzga, Ned Whalen, and Fr. Albert O’Brien. 1 pp.]

1955 American Association of Anatomists Constitution. [4 pp.]

National Register: The Catholic Commission on Intellectual and Cultural Affairs. [Completed form by Worden on April 7, 1959. 4 pp.]

Action Course in Practical Politics Certificate. [Given to John Worden for completing the course in 1959 by the Olean Chamber of Commerce.]

N.S.F. Conference on Computer Programming Certificate. [Certificate given to Worden after completing a three-week conference on Computer Programming and Related Mathematics for College Teachers of Mathematics, Science, and Engineering on June 29, 1962, at Rutgers University. 1 pp.]

American Association of Anatomists. [1963 membership certificate. 1 pp.]

1964 Information for Initiates of the Society of the Sigma XI. 43 pp.]

Purchase Order. [Purchase order for The Society of Sigma XI insignia.]

Letter, March 30, 1965. [Letter from Worden to Dr. Duncan Hetherington asking about a certificate for the Tissue Culture Association that can be frames. Hetherington's response is written below. 1 pp.]

Letter, April 7, 1965. [Letter from Helen B. Molina to Worden about a certificate for the American Society for Cell Biology. 1 pp.]

American Association for the Advancement of Science. [1965 Membership certificate. 1 pp.]

The Decennial Review Conference on Tissue and Organ Culture. [Participation certificate for Worden attending the conference in 1966. 1 pp.]

Certificate of Merit. [1969 Certificate for Distinguished Service as a Scientist, Teacher and Catholic given by the Dictionary of International Biography. Worden is listed in Volume VI of the dictionary. 1 pp.]

Principles of Effective Teaching. [Participation certificate given by Syracuse University for completing the training program for Emergency Medical Technician instructors in 1974. 1 pp.]

Emergency Medical Services Program. [Certificate for completing the Crash Victim Extraction course in 1976.]

Enrollment Certificate. [1977 Certificate of membership to The President's Club. Worden was a charter member. 1 pp.]

Emergency Medical Services Program. [Certificate for completing the Crash Victim Extraction Course in 1977. 1 pp.]

Membership card. [Membership card for Sigma XI. Worden is listed as an emeritus member of the University of Notre Dame Chapter, 1979-1980. A dues card is also included.]

34. News Articles

The St. Bona Venture 1.1 (November 19, 1926): 1-4. [First issue of the St. Bona Venture.]

The Bona Venture 28.14 (February 12, 1954): 1-8. [Article about Worden titled, "Bona Prof. Attends Meeting on Wesix Research Project."]

"Ion Discoveries Were Started in Bona Lab." *Olean Times Herald* 10 June 1959: 6. [Discussion of Wesix Research study.]

"Hamsters Aid Bona Air Study." *Buffalo Courier-Express* 28 Jan. 1962: 8. [Discussion of Wesix Research study.]

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From Lab Manual to Mardi Gras: John and Leone Worden in the News, 1933-1954. [A collection of newspaper articles compiled by Robert Worden spanning John and Leone Worden's lives at St. Bonaventure College and University, and their years in Allegany, NY and Olean, NY. 60 pp.]

35. American Red Cross

Instructor Cards. [American Red Cross instructor cards for 1938, 1940, 1941, 1942, 1943, and 1944.]

Member Card. [1943]

1943 War Fund. [Appreciation card for services rendered in support of the 1943 War Fund.]

Blood Donor Certificate card. [1943, Olean, NY]

Blood Donor Certificate card. [1951, Buffalo Regional Blood Program.]

Beginner in Swimming. [Card qualifying Worden as a Beginner in Swimming, 1956.]

First Aid to the Injured. [Card showing Worden completed an advanced course in First Aid to the Injured at St. Bonaventure in 1974.]

1946 Certificate. ["In Recognition of meritorious personal service performed on behalf of the nation, her armed forces, and suffering humanity in the Second World War." 1 pp. Includes information sheet about certificate. 1 pp.]

36. Curriculum Vitae, 1979

Curriculum Vitae, 1979. [4 pp.]

37. Inventory of Worden Offices, 1979

Inventory. [Inventory list of Dr. Worden's Personal items, St. Bonaventure's items, and Cattaraugus County Health Dept's items in his office. 3 pp.]

38. John L. Worden Photos (SBU)

Photos. [Collection of 19 photos. Includes personal photographs and laboratory photographs. Most of the photos are not labeled.]

Postcards. [Collection of 3 postcards of the St. Bonaventure campus from the 1940s, mid-1950s, and mid-1970s]

Slides. [2 slides in envelope labeled L. Map of canal.]

39. Invertebrate Cell and Organ Culturists

Invertebrate Cell and Organ Culturists. [Includes a letter from Ronald H. Goodwin about the list and the list of names and addresses. A note at the top of the first page states that the list was submitted for publication in "Invertebrate Tissue Culture." Worden is listed on page 13 of the list. 16 pp.]

40. Memorials from the Proceedings of the 94th Meeting of American Association of Anatomists, April 1981

"Memorials." [Reprint from *The Anatomical Record* 201.2 (October 1981): 355-376. [Worden's memorial by Stephen W. Eaton is on page 375.]

41. Catholic Tradition

"Note." [Material from an unidentified author about Catholic tradition. 3 pp. The second copy has the initials J.L.W. written in pencil at the top right-hand corner and includes edits. (3 copies)]

42. Manuscript of “The Social Question and Christianity”

“Introduction: The Social Question and Christianity.” [Typed Manuscript from an unknown author. A note from L. Worden states, “I have no idea why this was in JLW’s files.” 60 pp. Six of the pages are handwritten.]

43. Emergency Medical Technician Training Course, 1971-1978

Medical Emergency Technician Training Course, April 6-May 20, 1971. [Course Schedule. 15 pp.]

Emergency Medical Technician Training Course, October 2-November 15, 1973. [Course schedule. 20 pp.] (2 copies)

Emergency Medical Technician Training Course, February 19-April 4, 1974. [Course schedule. 19 pp.]

Emergency Medical Technician Training Course, October 1-November 14, 1974. [Course schedule. 20 pp.]

Emergency Medical Technician Training Course. September 16-November 20, 1975. [Course schedule. Includes notations. 13 pp.]

Emergency Medical Technician Training Course, January 24-May 2, 1978. [Course schedule. 17 pp. A second copy has 26 pp.]

Emergency Medical Technician Training Course, September 7-November 16, 1978. [Includes notations and memos about scheduling and classes 8 pp.]

44. EMT

1974 EMT Course Schedule. [3 pp.]

“54 Trainees Finish Course in Emergency Treatment.” *Buffalo Courier-Express* 28 November 1975: 21. [John Worden is mentioned as coordinator for the Emergency Medical Training program.] (2 copies)

“Allegany County Fire Chiefs Hear Talk on ‘Fire Academy.’” *Olean Times Herald* 18 December 1975: 4.

“Legislators’ Vote Favors County-Wide Radio System.” *Olean Times Herald* 23 December 1975: 10.

“Red Cross Sets Instructor Class.” [Unknown date and newspaper.]

“EMT Course to Begin at Bona May 4.” [Unknown date and newspaper. Worden is listed in the article.]

“Engine 81: Costs \$70,000...Receive Supply Pumper at Rew Fire Department.” *Olean Times Herald* 5 February 1976: 6.

“Will There Be One Available if You Need it?—Exam Need for New Ambulance.” *Olean Times Herald* 5 February 1976: 3.

“Shinglehouse’s New Ambulance on View at Sunday’s Open House.” *Olean Times Herald* 13 February 1976: 7.

“Ambulance Service Will Start April 15.” *Olean Times Herald* 13 February 1976: 6.

“EMT Training Demonstrated for Lionettes.” *Olean Times Herald* 21 February 1976: 11.

Marino, Camy. “Emergency Medical Training to Save Lives, Lessen Injuries.” *The Bona Venture* 27 February 1976: 8.

“Smethport EMT Officers Elected.” *Olean Times Herald* 1 March 1976: 9.

“Olean Firemen Train Smethport EMTs.” *Olean Times Herald* 23 March 1976: 6.

“Emergency Medical Refresher Course at St. Bona U.” *The Allegany Citizen* 22 April 1976: 1.
[Worden is listed in the article.]

Memo, April 26, 1976. [Memo to Worden from Elsie Jane Beck about a newspaper article.]

“Startlingly Real ‘Accident’ is Staged to Train EMT’s Here.” *Salamanca Republican-Press* 24 April 1976: 3. [Worden is listed in the article.]

Notes. [Notes on paper or index cards relating to EMT training.]

List of Equipment Needed. [2 pp.]

Schedule for Practical Work Instructors. [Unknown date. 2 pp.]

Schedule for Practical Work Instructors. [September 8-November 17. Note stapled to the schedule points out schedule change. 2 pp.]

Instructors Answer Key. [2 pp.]

Emergency Telephone Numbers. [Unknown date. 1 pp.]

Cattaraugus County Fire Departments. [1977. 4 pp.]

Memo. [From John Worden to Mrs. Keck about getting a senior instructor card. 1 pp.]

Memo. [Blank memo sheet.]

Letter. [Handwritten letter to Dave. 2 pp.]

Bibliography list. [List from the Library of Congress on books and articles relating to emergency medical services. 17 pp.]

1975-1976 EMT Staff cards. [2 1975-1976 Student cards.]

Parking Permits. [2 EMT staff parking permits for 9/7 to 12/1.]

Parking Permits. [3 EMT staff parking permits for February 1976 to June 1976.]

Parking Permit. [1 EMT parking permit for March 1, 1977 to June 1, 1977.]

Parking Permits. [3 blank parking permits.]

NYS Health Department Certification card. [Card certifying Worden as an Emergency Medical Technician until April 12, 1977.]

National Association of Emergency Medical Technicians Membership Card. [1977]

New York State Health Department Certification card. [Card certifying Worden as a senior instructor for Emergency Medical Technicians until June 23, 1976.]

Membership Card for the National Association of Emergency Medical Technicians. [2 cards, 1 for 1979. Worden is listed as a founding member.]

New York State Department of Health Certification card. [Card certifying Worden as an Emergency Medical Technician until May 17, 1980.] (2 copies)

Sticker. [Sticker with Dr. John Worden E.M.T. printed on it.]

Label. [Label on cardboard with the inscription: Cattaraugus County Health Dept. Emergency Medical Services Dr. Worden.]

Stationary. [Blank stationary with Cattaraugus County Department of Health/Emergency Medical Services Division/St. Bonaventure, NY on the letterhead. 2 pp.]

45. Knowledge Retention by EMTs – 1976

Knowledge Retention by EMTs Part 1. [Report from the Research and Evaluation Unit, Lakes Area Emergency Medical Services in Buffalo, NY. July 1976. 19 pp.]

46. 1936 Dissertation: A Critical Histological Study of the Formed Elements of the Blood of Selected Vertebrate and Invertebrate Types.

A Critical Histological Study of the Formed Elements of the Blood of Selected Vertebrate and Invertebrate Types. [Stamped with St. Bonaventure Biology Lab stamp and signed by Fr. Hubert 6/9/1936. 119 pp.]

47. Hypnotic, Anesthetic and Toxic Effects of Evipal Soluble on the Golden Hamster, 1950

Wesix Electric Heat Co. [Graphic relating to Air Ionization Wesix Research Projects in 1953. The map lists out participants, their project dates, and what they were researching.]

Letter, March 2, 1953. [Letter from A. Scribner to John Worden with a copy of Worden's manuscript on Evipal.]

Hypnotic, Anesthetic and Toxic Effects of Sodium N-Methyl-Cyclohexenyl-Methyl-Barbituric Acid (Evipal) on the Golden Hamster. [March 1950. Draft of article with handwritten notations. 27 pp. A second copy is 9 pp.]

2025.26 Item in Box 1, 2023.14.47:

"The Effects of Evipal on the Golden Hamster." [Pamphlet reprinting the article: "Hypnotic, Anesthetic and Toxic Effects of Sodium N-Methyl-Cyclohexenyl-Methyl-Barbituric Acid (Evipal) on the Golden Hamster." *Science Studies* 15 (December 1953): 28-39.] (2025.26.13)

48. The Effect of Unipolar Ionized Air on the Relative Weights of Selected Organs of the Golden Hamster, 1952

The Effect of Unipolar Ionized Air on the Relative Weights of Selected Organs of the Golden Hamster. [Contribution of the Wesix Research Project. 10 pp.]

49. Introduction to Air Ions, January 1953

Introduction to Air Ions. [Draft with handwritten notations. 14 pp. A second copy has "not corrected" handwritten in the top right corner. 15 pp.]

50. Effect of Air Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma, 1954

Effect of Air Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma. [Draft with handwritten notations. 2 pp.]

The Effect of Unipolar Ionized Air on the Relative Weights of Selected Organs of the Golden Hamster. [Draft with handwritten notations. 10 pp.]

51. The Effect of Unipolar Ionized Air on the Hydrogen Ion Concentration of Mammalian Blood, 1954.

The Effect of Unipolar Ionized Air on the Hydrogen Ion Concentration of Mammalian Blood. ["My revised copy" is written in the top left corner. Includes handwritten notations. 15 pp.] Letter, November 24, 1959. [Letter from W. Wesley Hicks to Mary Elizabeth Sime and John Worden about his paper. 1 pp. Attached is a copy of his paper. 12 pp.]

Draft of The Effect of Unipolar Ionized Air on the Hydrogen Ion Concentration of Mammalian Blood. [Draft with handwritten notations. 15 pp.]

52. The Effect of Air Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma, 1954

The Effect of Air Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma. [Presented at the 38th Annual Meeting of the Federation of American Societies for Experimental Biology on April 12, 1954. Handwritten note: "Reading copy. No refs." Corrections marked throughout the copy in pencil. 8 pp.]

The Effect of Air Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma. [Handwritten note: "as submitted to Journal Bio Chem, (no figures or table)." 18 pp.]

The Effect of Air Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma. [Handwritten note: "corrections noted 5/5/54." Corrections marked throughout the copy in pencil. 12 pp.]

The Effect of Air Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma. [Handwritten note: "as submitted Jr. Bio Chem (complete)." 24 pp.]

The Effect of Air Ion Concentration and Polarity on the Carbon Dioxide Capacity of Mammalian Blood Plasma. [8 pp.]

53. Research Proposal: The Effects of Unipolar Ionized Air on the Growth of Cells, In Vitro, 1956

The Effects of Unipolar Ionized Air on the Growth of Cells, In Vitro. [Research proposal submitted to the National Science Foundation on January 28, 1956. Corrections are marked in pencil. 21 pp.]

54. A Laboratory Manual of Vertebrate Embryology, 2nd Edition, 1956

A Laboratory Manual of Vertebrate Embryology. [Spiral bound copy. 94 pp.]

55. Proliferation of Mammalian Cells in Ion Controlled Environments. Journal of the National Cancer Institute, 1961

Letter, October 19, 1960. [Letter to Worden from Michael B. Shimkin announcing the publication of his paper to the Journal of the National Cancer Institute and enclosing corrections/comments. 1 pp.]

Proliferation of Mammalian Cells in Ion-Controlled Environments. [Draft of paper as it would appear in journal. 6 pp.]

Corrections/Suggestions. [Worden's response to reviewers' comments/suggestions/corrections. 3 pp.]

Fig. 1. [1 pp.]

Proliferation of Mammalian Cells in Ion-Controlled Environments. [Reprint from the Journal of the National Cancer Institute. 12 pp.] (5 copies)

"Proliferation of Mammalian Cells in Ion-Controlled Environments." *Journal of the National Cancer Institute* 26.1 (April 1961): 801-811. [Complete Journal of the National Cancer Institute. 1041 pp.]

56. Some Biological Effects of Air Ionization-Reprint from Conference, October 16-17, 1961

Some Biological Effects of Air Ionization. [Presented at the International Conference on Air Ionization, sponsored by the American Institute of Medical Climatology at the Franklin Institute Philadelphia, PA on October 16-17, 1961. 41 pp. A second copy has 25 pp., and the third copy has 24 pp.]

57. SBU Miscellaneous

St. Bonaventure College, Engineering, Science, and Management War Training Program Card. [Certifies John Worden in the course, Principles of Electricity for Teachers on February 20, 1945.]

St. Bonaventure College, Engineering, Science, and Management War Training Program Card. [Certifies John Worden in the course, Principles of Physics for Teachers on June 28, 1943.]

Freshman Guide. [Unknown year, possibly 1935? Schedule for September 21st, 22nd, 23rd, and 24th.]

Prayer Cards. [Two prayer cards for The Rev. Christopher Hee, O.F.M. (1889-1963).]

Commencement Banquet Ticket. [June 12, 1935.]

Senior-Faculty Banquet Ticket. [June 2, 1960]

Envelope. [Small envelope from Barnett Davis, Inc. To Worden]

St. Bonaventure decal. [8 decals]

St. Bonaventure University sticker. [2 difference SBU stickers.]

Signature cards. [15 cards with John Worden stamped on them. Includes envelope addressed to Worden in South Bend, IN in 1928.]

Thank You Card. [Small thank you card to Worden from Evodine.]

Address Labels. ["From St. Bonaventure University Saint Bonaventure, NY." At the bottom of the label: "Contents: Merchandise, Postmaster: This parcel may be opened for postal inspection if necessary. Return Requested."] (14 copies)

Blank cards. [22 blank cards with seal and "St. Bonaventure Monastery St. Bonaventure, N.Y." printed at the top.]

1967-1968 St. Bonaventure University Basketball Season Ticket. [2 copies signed by John Worden.]

1967-1968 St. Bonaventure University Basketball. [Card that was attached to the season tickets.]

"Bonaventure Cookies." [Recipe booklet from Women's Financial Seminars, September 1976.]

St. Bonaventure University Alumni Association President's Club decal.

2025.26 Item in Box 1, 2023.14.57:

Postcard. [Postcard to Worden from Sister M. Carita in 1938. The postcard has a drawing of the loop on the WNY & P. Traction Co's lines between Olean, NY and Bradford, PA.] (2025.26.15)

58. SBU/Conference Name Tags

American Chemical Society Name Tag. [From 125th Meeting in Kansas City, MO from March 23-April 1, 1954.]

Federation of American Societies for Experimental Biology Name Tag. [From the 56th Annual Meeting.]

Federation of American Societies for Experimental Biology Name Tag. [April 12-16, 1954 in Atlantic City, N.J.]

Federation of American Societies for Experimental Biology. [April 14-18, 1952 in New York City. Worden is labeled as a guest.]

A.I.M.C. Name Tag. [Unknown conference.]

American Society for Cell Biology Name tag. [From the 8th Annual Meeting on November 11-13, 1968 in Boston, Massachusetts.]

American Society for Cell Biology Name Tag. [From the 5th Annual Meeting in Philadelphia, PA on November 10-12, 1965.]

Tissue Culture Association Name Tag. [Unknown location and year.]

Tissue Culture Association Name Tag. [Name tag for Mrs. Worden at the 22nd Annual Meeting in Lake Placid, NY in 1971.]

Tissue Culture Association Name Tag. [Name tag for John Worden at the 22nd Annual Meeting in Lake Placid, NY in 1971.]

Lakes Area Regional Medical Program Name Tag. [Worden is listed as part of the Cattaraugus EMS Council.]

Lakes Area Regional Medical Program Name Tag. [Worden is listed as the Coordinator-EMS Committee for Cattaraugus County.]

St. Bonaventure University Alumni Reunion Name Tag. [Worden is listed as Faculty.]

St. Bonaventure University Alumni Reunion Name Tag. [Worden is listed as Faculty.]

St. Bonaventure University Alumni Reunion Name Tag. [For Leone Worden.]

St. Bonaventure University Alumni Reunion Name Tag. [For John Worden.]

St. Bonaventure University Alumni Reunion Name Tag. [For Leone Worden.]

St. Bonaventure University Alumni Reunion Name Tag. [For Leone Worden.]

St. Bonaventure University ID Card. [For John Worden. Expiration Date: July 1, 1969. Includes photo of Worden.]

The September Days Club Charter Member Card. [For Worden. Expiration Date: February 1978]

St. Bonaventure University Alumni Reunion Name Tag. [1964. The tag has a Faculty ribbon hanging from the tag.]

St. Bonaventure University Centennial Celebration Name Tag. [The tag has a Faculty ribbon hanging from the tag.]

Speaker Name Tag. [Name tag is missing. Speaker ribbon is attached.]

Faculty Name Tag. [Name tag is missing. Faculty ribbon is attached.]

American Chemical Society Member Card. [For John Worden, 1962.]

American Chemical Society Pins. [2 pins. Unknown date.]

EMT Pin. [Founding Member pin for the National Association of Emergency Medical Technicians.]

2025.24

Negatives

St. Bona and Allegany, Aerial. [Film negative from September 6, 1938, taken at noon. The negative is housed in an envelope that has a key for where certain pieces of St. Bonaventure and Worden's home are in the aerial.] (2025.24.001)

St. Bonas., Aerial. [Film negative from September 6, 1938, taken at noon. The negative is housed in an envelope that has a key for where certain pieces of St. Bonaventure and Worden's home are in the aerial.] (2025.24.002)

Allegany, Aerial. [Film negative from September 6, 1938. Envelope: "looking north from the college, convent in foreground, 5 mile valley (to Buffalo) upper left."] (2025.24.003)

Snow Scene with John Worden. [Film negative of John Worden from January 15, 1939.] (2025.24.004)

Snow Scene with Hubert Vecchierello. [Film negative of Hubert Vecchierello from January 15, 1939.] (2025.24.005)

Snow Scene with Train. [Taken on January 15, 1939.] (2025.24.006)

Snow Scene. [Trees. Taken on January 15, 1939.] (2025.24.007)

Snow Scene. [Trees. Taken on January 15, 1939.] (2025.24.008)

Snow Scene. [Negative has Pennsylvania Railroad Station and Motherhouse in the background. Taken on January 15, 1939.] (2025.24.009)

Snow Scene. [Unknown object. Taken on January 15, 1939.] (2025.24.010)

Snow Scene. [Hills in the background. Taken on January 15, 1939.] (2025.24.011)

Snow Scene. [Alumni Hall in winter. Taken on January 15, 1939.] (2025.24.012)

Snow Scene. [Hickey Dining Hall. Taken on January 15, 1939.] (2025.24.013)

Snow Scene. [Taken on January 15, 1939.] (2025.24.014)

Carta Linguista Missionis Inter Papacos. [Negative of map. Typed on envelope: "Map-San Luis Re, Super XX, film pack, Weston 64. D.K. 20." Handwritten: OFM Carta Linguista.] (2025.24.015)

Hubert Vecchierello. [Hubert Vecchierello working. Taken in the Summer 1938.] (2025.24.016)

Postcard. [Friedsam Memorial Library. Typed on envelope: "These prints must be returned to: John Worden, St. Bonaventure, NY."] (2025.24.017)

Postcard. [Friedsam Memorial Library.] (2025.24.018)

Box 2 (2023.14)

59. Report on Miller Brewing Company Test, 1952

Report on Object Submitted for Identification. [Report from January 28, 1952. Includes negative and photograph of test object. 2 pp.]

Letter, January 28, 1952. [Letter from Worden to Mr. Crowley about the report. 1 pp.]

60. Schaar and Company

Postcards. [2 postcards for Schaar Scientific Co. Includes St. Bonaventure College, Department of Biology envelope.]

Business Cards. [7 Business cards for John Worden when he worked for Schaar and Company. His home address is on the card.]

Envelope. [Schaar and Company envelope.]

Original Invoice. [Blank invoice for Schaar and Company] (5 copies)

61. Notebooks

Cell Counts. [Notebook with research notes from 1959. The back cover is labeled Fungi III Hysol I HiQ 3/31/66 and has research notes from 1965-1966 research.] (2023.14.61.1)

CONAP I Cultures Part 1. [Notebook with research notes from 1962-1963. The notebook also includes loose pages with notes and research.] (2023.14.61.2)

CONAP II Part 1 cont. / Part 2 / Part 3. [Notebook with research notes from 1963-1964. The notebook also includes loose pages with notes and research, and 21 photographs of specimens.] (2023.14.61.3)

Mold Culture. [Notebook with research notes from 1965-1966. The notebook also includes loose pages with notes and research.] (2023.14.61.4)

Notebook. [Notebook with research notes from 1967, and one entry from 1974. The notebook also includes loose pages with notes and research.] (2023.14.61.5)

Notebook. [Notebook with research notes from 1968. The notebook also includes loose page with notes and research, and blank Report on Fungus Resistance test forms.] (2023.14.61.6)

12/66 F'cide Testing. [Notebook with research notes from 1970-1973.] (2023.14.61.7)

Notebook. [Notebook with few research notes from unknown date.] (2023.14.61.8)

62. Military Standard/Specification Manuals, 1952, 1960, 1964

Military Specification, Environmental Testing, Aeronautical and Associated Equipment, General Specification for _____. [MIL-E-5272A Military specification manual from September 16, 1952. Note written in pencil: superseded by 13 Apr 1959. Includes some notes in pencil. 24 pp.]

Military Specification, Environmental Testing, Aeronautical and Associated Equipment, General Specification for _____. [Amendment 1 to manual approved on January 20, 1960. 3 pp.]

ASTM Standards, 1961, Part 9 Plastics, Carbon Black. [Includes notations in pencil. 5 pp]

MIL-E-5272C (ASG). [Includes notations in pencil. 2 pp.]

Military Specification Insulating Compound, Electrical (for Coating Printed Circuit Assemblies). [MIL-I-46058A manual from June 24, 1964. 15 pp.] (2 copies)

Suitability Status Information, Non-Government Test Laboratory. [Information for qualification testing. 4 pp.]

63. Military Specification Fungus Resistance Testing and Qualification

Military Specification Chamber, Fungus Resistance Testing. [MIL-C-9452(ISAF) manual from June 8, 1954. 5 pp.]

Provisions Governing Qualification (Qualified Products List). [Manual from the Department of Defense Armed Forces Supply Support Center from March 31, 1961. 10 pp.] (2 copies)

List of Test Facilities. [Completed List of Test Facilities for Capacitor Manufacturing Co on November 10, 1962. 2 pp.] (2 copies)

List of Qualification Test Facilities. [Blank form. 1 pp.]

Application for Qualification Testing. [Blank form. 4 pp.]

Qualification Information for Manufacturers. [Supplemental manual to Provisions Governing Qualification from August 1, 1963. 26 pp.]

Qualification Information for Manufacturers. [Manual from July 1, 1966 from the Defense Electronics Supply Center. 28 pp.]

Envelope. [Envelope addressed to Dr. Worden from the Defense Electronics Supply Center. Written in marker on the front: DESC APPLIC. EQUIP. and on the back: Mil Spec Fungus Testing]

64. DESC Certifications, Letters, and Applications Approval

Letter, November 16, 1964. [Letter from Richard Thomas to Worden regarding their nomination Fungus Resistance testing by CONAP, Inc. Includes notations in pencil.]

Letter, December 2, 1964. [Letter from Worden to Richard Thomas asking for approval of their laboratories to test under government supervision. 1 pp.]

Letter, December 5, 1964. [Letter from Worden to Dr. Kenneth Anderson about the invitation by the Defense Electronics Supply Center to participate in the Military Qualification Program. 1 pp.]

Letter, December 18, 1964. [Letter from John Worden to Richard Thomas asking for their facilities to be approved for the Military Qualification Program. 1 pp.]

Letter, December 18, 1964. [Letter from Worden to Directorate of Engineering Standardization regarding their test laboratory. Another letter is included from Worden to Mr. Richard Thomas from December 18, 1964, and an application is attached. The application includes a List of Test Facilities. 6 pp.]

Letter, December 18, 1964. [Letter from Robert E. Cooper to Worden announcing a visit by David Raymund to inspect the test facilities. 1 pp.]

Letter, December 20, 1964. [Letter from Worden to Robert Cooper acknowledging Cooper's letter of December 18, 1964. 1 pp.]

Letter, January 14, 1965. [Letter from Robert E. Cooper to Worden acknowledging receipt of Worden's application. 1 pp.]

Letter, July 25, 1969. [Letter from Richard Thomas to the Department of Biology announcing the "D" Revision to MIL-STD-202. 2 pp.,]

Letter, October 20, 1970. [Letter from Al H. Nothem to Worden asking Worden to submit a report if he is engaged in "outside remunerative interests." 1 pp.]

Letter, October 21, 1970. [Letter from Worden to Al H. Nothem about the Cell Culture Laboratories and their approval for qualification testing. 1 pp.]

Letter, September 26, 1972. [Letter from Lawrence Bacon to Worden asking if they want to apply to conduct qualification tests under MIL-I-46058C. Attached is the Military Specification manual for MIL-I-46058C from July 7, 1972 (16 pp.) and a blank Application for Qualification Testing (4 pp.). 2 pp.]

Letter, October 11, 1972. [Letter from Worden to Lawrence Bacon asking if there are any additional applications to keep their certification active. 1 pp.]

Letter, October 30, 1972. [Letter from Lawrence Bacon to Worden regarding their status under MIL-I-46058C. 1 pp.]

Letter, November 6, 1972. [Letter from Worden to the American Society of Testing Materials asking for two copies of ASTM-G-21. 1 pp.]

Letter, November 28, 1972. [Letter from Worden to Lawrence Bacon thanking him for his letter of October 30th.]

Letter, September 14, 1978. [Letter from Worden to the Defense Electronics Supply Agency's Director of Engineering Standardization transferring St. Bonaventure's test laboratory to James P. White. 1 pp.]

Letter, unknown date. [Letter from Worden to Robert E. Cooper asking for a Fungus Resistance Test specification subsequent to MIL-STD-810B, Method 508, 15 June 1957. 1 pp.]

65. Fungus Resistance Test Report Forms

Report on Fungus Resistance Test, December 12, 1964. [On stencil paper. 1 pp.]

Report on Fungus Resistance Test, December 12, 1964. [3 blank forms for MIL-I-46058A.]

Report on Fungus Resistance Test, June 15, 1967. [Blank form for MIL-STD-810B, Method 508. 3 pp.]

Report on Fungus Resistance Test: Controls, July 7, 1972. [2 Blank forms for MIL-STD 46058C 810B Method 508 ASTM G 21-70.]

Report on Fungus Resistance Test, March 10, 1975. [5 blank forms for MIL-STD 46058C 810C Method 508.1 ASTM G 21-70.]

66. Calibration System Testing

Letter, August 30, 1966. [Letter from Robert Cooper to the Department of Biology asking them to implement requirements for a calibration system. 1 pp. Attached is the Calibration System Requirements Manual for MIL-C-45662A, February 9, 1962. 8 pp.]

Letter, September 28, 1966. [Letter from Worden to Richard Cooper certifying their calibration system. 1 pp.] (2 copies)

67. Defense Electronics Supply Center Forms

Qualification Test Report at a Non-Government Test Laboratory. [First page is halfway filled in. 4 pp.]

Memo, March 22, 1965. [Memo from S.D. Space to Worden about DESC 36F forms.]

Qualification Test Report on Non-Government Test Laboratory. [DESC Form 36F from June 1962. 4 pp.] (2 copies)

Description of Test Equipment. [Page 4 of DESC Form 36F. 1 pp.]

Test Personnel. [Page 2 of DESC Form 36F. 1 pp.] (2 copies)

Envelope. [Envelope to the Department of Biology from Defense Electronics Supply Center.]

Memo Routing Slip, October 23, 1968. [Memo from Robert Cooper to Worden about DESC Form 36F.]

Qualification Test Report at a Non-Government Test Laboratory. [DESC Form 36F from January 1966. 4 pp.] (2 copies)

Envelope. [Envelope to the Department of Biology, Attn. John Worden from the Defense Electronics Supply Center. "Test Reports" is written in the top right corner in pencil.]

Application for Qualification Testing. [DESC Form 36A from August 1963. 4 pp.] (2 copies)

68. Fungus Resistance Test Correspondence, 1965 & 1968

Letter, March 26, 1965. Letter from John Worden to the U.S. Department of Agriculture asking about procuring a *Fusarium moniliforme* culture for his Cell Culture Laboratory. 1 pp.]

Reply to Request Information, March 31, 1965. [Reply from Margaret Smoot about obtaining a culture of *fusarium moniliforme*.

Letter, April 1, 1965. [Letter to Worden from Sidney Litvak regarding a culture of *Memnoniella echinata*. 1 pp.]

February 19, 1968. [Letter from Worden to David Raymond regarding materials for testing under MIL-STD-810B. 1 pp.]

Letter, February 29, 1968. [Letter from L. Teitell to David Raymond regarding fungus susceptible materials for use as controls. 1 pp.]

Letter, March 5, 1968. [Letter from Robert Cooper to Worden regarding control material sources for fungus resistance testing. 1 pp.]

69. Molds-References, 1968

Letter, February 2, 1968. [Letter from Worden to Anthony Orłowski about Worden's interest in work on fungal attack and offering to work for or with him on the problem of fungal growth. 1 pp.]

Note. [Note with names, numbers, and addresses. 1 pp.]

Angier, Robert. "Chapter 15. Antifungal Agents." *Annual Reports in Medicinal Chemistry* (1966): 157-166.]

Rich, Saul and James G. Horsfall. "Fungitoxicity of Carbamic and Thiocarbamic Acid Esters." *The Connecticut Agricultural Experiment Station* (March 1961). [95 pp.]

Catalfomo and H. Wayne Schultz. "Small Tube Method for the Evaluation of Antifungal and Antibacterial Activity." *Journal of Pharmaceutical Sciences* 55, no. 1 (January 1966): 117-119.

70. Military Standards 1969

Military Specification: Parts, Materials, and Processes Used in Electronic Equipment. [Manual for MIL-P-11268F(EL) Amendment 2, December 23, 1968. 7 pp.]

Military Specification: Parts, Materials, and Processes Used in Electronic Equipment. [Manual for MIL-P-11268F(EL), July 2, 1968. 85 pp.]

Military Standard: Standard General Requirements for Electronic Equipment. [Manual for MIL-STD-454B from June 10, 1968. 135 pp.]

Military Specification: Twine, Impregnated, Lacing and Tying (For Use in Electrical and Electronic Equipment). [Manual for MIL-T-713C from June 22, 1964. 12 pp.]

71. Military Specification Insulating Compound

Letter, July 30, 1971. [Letter from Ivan R. Jones about the initial draft of the proposed revision to Military Specification MIL-I-46058B, Insulating Compound, Electrical (For Coating Printed Circuit Assemblies. 1 pp.]

Proposed Military Specification Insulating Compound, Electrical (For Coating Printed Circuit Assemblies) Initial Draft. [15 pp.]

Letter, December 6, 1972. [Letter from Paul G. Pavlik to John Worden about a copy of Military Specification MIL-I-46058C. 1 pp.]

Military Specification: Insulating Compound, Electrical (For Coating Printed Circuit Assemblies). [Manual from July 7, 1972. 16 pp.]

Envelope. [Envelope addressed to John Worden from the Defense Electronics Supply Center. "7 July '72 4.8.4 + ASTM G-21 + 30 Jan 1973 is handwritten in marker on the front of the envelope. "Mil Spec Insulation" is handwritten in marker on the back.]

72. Defense Electronics Supply Center Qualification Testing, 1974

Letter, March 1, 1974. [Letter from Ross V. Doughty to the Department of Biology about retaining their status as an approved commercial testing laboratory. 1 pp.]

List of Qualification Test Facilities Form. [Sample sheet of a completed List of Qualification Test Facilities form that was attached to the March 1, 1974 letter. 2 pp.]

Commercial Laboratory Application for Suitability Status. [DESC Form 2. Form attached to March 1, 1974 letter. 2 pp.]

List of Test Facilities Form. [2 blank copies of the DESC 36 form attached to the March 1, 1974 letter. 1 pp.]

SBU's Commercial Laboratory Application for Suitability Status. [Copy of the completed forms that SBU submitted, including DESC Form 2, and DESC Form 36. 6 pp.]

List of Qualifications Test Facilities. [DESC Form 36 (October 1968). The form only has the address for SBU completed and has the date (March 15, 1974. 1 pp.]

Letter, April 19, 1974. [Letter from Richard Thomas to John Worden approving SBU as a source to conduct fungus testing. 1 pp.] (2 copies)

73. Invoices and Receipts, 1974-1976

Invoice, RPS Products. [May 31, 1974]

Invoice, Vivian. [May 8, 1975]

Invoices, CVS Pharmacies. [March 19, 1975 and July 8, 1975]

Norton Drug Store. [March 19, 1975]

Ben Electric Supply Co. Inc. [May 19, 1975, January 31, 1976, and March 3, 1976]

Standard Electronics, Inc. [February 13, 1976, and two with unknown date.]

74. Hysol, 1965-1969

Letter, December 21, 1964. [Letter from Worden to Earl Hunter about 15% surcharge for consulting work. 1 pp.]

Letter, January 25, 1965. [Letter from Louis Oakman to John Worden regarding sample submission. 1 pp.]

Purchase Order, January 26, 1965. [1 pp.]

Letter, March 8, 1965. [Letter from Louis Oakman to Robert Cooper regarding samples sent to St. Bonaventure. 1 pp.]

Purchase Order, March 10, 1965. [1 pp.]

Authorization to Conduct Qualification Test. [March 12, 1965. 2 pp.]

Invoice, March 22, 1965. [Receipt for order. 1 pp.] (2 copies)

Invoice, March 23, 1965. [Receipt for order. 1 pp.]

Receipt, April 2, 1965. [Receipt for check from Hysol.]

Invoice, April 19, 1965. [Receipt for order. 1 pp.]

Fungus Resistance, MIL-I-46058a, 24 June 1964. [Data sheet from April 19, 1965. 4 pp.]

Purchase Order, April 23, 1965. [1 pp.]

Letter, June 28, 1965. [Letter from Robert Cooper to Worden asking for additional information in test reports and a change in temperature for a test. 1 pp. Supplementary report is attached. 1 pp.]

Letter, August 24, 1965. [Letter from Ezra Scott to Earl Hunt regarding supplemental data. 1 pp.]

Authorization to Conduct Qualification Test, March 11, 1966. [Completed form. 2 pp.] (2 copies)

Letter, March 17, 1966. [Letter from Robert Cooper to Chief, Defense Contract Administration Services Offices, Buffalo regarding surveillance for qualification testing. 1 pp.]

Letter, March 25, 1966. [Letter from Louis D. Oakman to Worden regarding samples for fungus resistance testing per MIL-I-46058A. 1 pp.]

Letter, March 28, 1966. [Letter from Louis D. Oakman to Donald Miller about qualification testing. Includes schedule of testing. 2 pp.]

Letter, April 4, 1966. [Letter from Louis Oakman to Worden about samples for fungus resistance testing. 1 pp.]

Purchase Order, April 7, 1966. [1 pp.]

Fungus Resistance Test, June 2, 1966. [Original data sheet. 5 pp.]

Notes, June 2, 1966. [Notes for a phone call to Hunt on June 2, 1966. 1 pp.]

Invoice, June 14, 1966. [Receipt. 1 pp.] (2 copies)

Check Stub, July 18, 1966.

Receipts, July 26, 1966. [Two receipts from St. Bonaventure for the Hysol Corporation.]

Purchase Order, September 19, 1966. [1 pp.]

Interoffice Correspondence, September 23, 1966. [Letter from Earl Hunt to Worden about samples for testing. 1 pp.]

Invoice, February 7, 1967. [1 pp.]

Report to Hysol Corp-Fungus Resistance Test, February 7, 1967. [1 pp.]

Letter, April 3, 1967. [Letter from Alphonse Melfi to Worden regarding samples for testing. 1 pp.]

Purchase Order, April 4, 1967. [1 pp.]

Letter, May 12, 1967. [Letter from Robert Cooper to the Department of Biology regarding qualification testing under MIL-I-46058B. 1 pp.]

Fungus Resistance Testing, May 15, 1967. [9 pp.]

Interoffice Correspondence, May 22, 1967. [Letter from Earl Hunt to Worden about fungus testing. 1 pp.]

Invoice, May 25, 1967. [1 pp.]

Check Stub, July 27, 1967.

Invoice, August 24, 1967. [1 pp.]

Check Stub, August 31, 1967.

Letter, October 11, 1967. [Letter from Robert Cooper to Earl Hunt mentioning a new application for qualification testing is needed after a change in address. 1 pp.]

Purchase Requisition, March 13, 1968. [Order for tests. 1 pp.]

Authorization to Conduct Qualification Test. [Completed form. April 12, 1968. 2 pp.]

Instructions to All Manufacturers and Laboratories Conducting Qualification Testing for the Defense Electronics Supply Center. [New procedures for testing. 1 pp.]

Phone call notes. [Notes from a phone call between Hysol and Worden. 1 pp.]

Report on Samples Submitted 3/22/68. [May 3, 1968. 1 pp.]

Letter, August 9, 1968. [Letter from Lawrence Baxter to Worden about MIL-STD-810B testing. 1 pp.]

Letter, August 13, 1968. [Letter from Worden to Lawrence Baxter about MIL-STD-810B testing. 1 pp.]

Purchase Order, August 15, 1968. [1 pp.]

Invoice, September 15, 1968. [1 pp.]

Letter, September 16, 1968. [Letter from Worden to Lawrence Baxter about qualification test resorts. 1 pp.]

Invoice, September 20, 1968. [1 pp.]

Report on Fungus Resistance Tests, September 20, 1968. [1 pp.]

Check Stub, October 24, 1968.

Purchase Order, October 30, 1968. [1 pp.]

Purchase Order, November 20, 1968. [1 pp.]

Invoice, December 29, 1968. [1 pp.]

Check Stub, December 29, 1968.

Report on Fungus Resistance Tests, July 11, 1969. [1 pp. Attached are notes.]

Report on Fungus Resistance Test, Temp-Humid Logs, June 13, 1969-July 11, 1969. [Submitted July 12, 1969. 1 pp.] (2 copies)

Report on Fungus Resistance Test, Controls, June 13, 1969-July 11, 1969. [Submitted on July 17, 1969. 1 pp.] (3 copies)

Report on Fungus Resistance Test, Controls, June 20, 1969-July 18, 1969 and September 19, 1969. [Submitted July 19, 1969, and September 19, 1969. 1 pp.] (3 copies)

Report on Fungus Resistance Test, Temp-Humid Logs, June 20, 1969-July 18, 1969, and September 19, 1969. [Submitted on July 19, 1969. 1 pp.] (2 copies)

Report on Fungus Resistance Test, Controls, June 13-September 12, 1969. [Submitted on September 13, 1969. 1 pp.] (2 copies)

Report on Fungus Resistance Test, TEMP-HUMID LOGS, June 13, 1969-September 12, 1969. [Blank copy of form with a submit date of September 13, 1969. 1 p.] (4 copies)

Report on 90 Day Fungus Resistance Test. [September 13, 1969, 1 pp.]

Invoice, September 20, 1969. [For Fungus resistance tests. 1 pp.]

Report on 90 Day Fungus Resistance Test. [September 20, 1969, 1 pp.]

Procedure: 90 Day Test for Fungus Resistance. [1 pp.]

Check Stub. [Balance from Hysol Check. 11/11/69.]

Purchase Order, April 8, 1969. [For Fungus Resistance Tests. 1 pp.]

Purchase Order, May 5, 1969. ["Please run light transmittancy on ?MOCA?. 1 pp]

Invoice, May 12, 1969. [Pricing for two purchase orders and department surcharge. 1 pp.]

Envelope. [Envelope addressed to Worden from the Hysol Corporation. The envelope is labeled "Fungicide" and "12/66-2/67."]

Envelopes and bags. [5 envelopes for possible samples. They are labeled: "XPC22-A434," "DK7," "3M221," "274-1-2," and "274-1-1." The two bags are labeled "PO218," and "PO517."]

Memo, unknown date. [Letter from Earl Hunt to Worden regarding information on fungicide and future tests. 1 pp. Attached are five copies of specimen labels and product data.]

Notes. [3 pages of notes.]

Sample. [Unknown contents.]

75. Aerovox, HiQ Division, 1964-1966

Letter, December 8, 1964. [Letter from Harry Bixby to Worden regarding data from two thermometers. 1 pp.]

Letter, August 6, 1965. [Letter from Robert Cooper to Commander INSMAT regarding surveillance for qualification testing. 1 pp.]

Authorization to Conduct Qualification Test. [August 6, 1965. 2 pp.]

Report on Fungus Resistance Test. [Report for April 18, 1966. 24 pp.]

Fungus Resistance Test, June 2, 1966. [Original data sheets. 5 pp.]

Receipt, June 14, 1966. [Receipt for order. 1 pp.] (2 copies)

Purchase Order, June 22, 1966. [1 pp.] (2 copies)

Receipt, unknown date. [Receipt from Schaar Scientific Company. 1 pp.]

76. HiQ Slide Photographs-Wyble Engineering Development Corporation

Photographs. [A collection of 28 photographs of slides. Includes an envelope addressed to Worden from Wyble Engineering Development Corporation. The envelope is labeled "HiQ."

77. Pennzoil, 1967-1973

Invoice Listing. [List of invoice dates and their amounts from 1967-1972. 20 pp.]

Invoices. [A collection of invoices from January 9, 1970 to December 19, 1973 between Pennzoil and the Department of Biology at St. Bonaventure University. 140 pp.]

78. Aerovox, 1968

Letter, September 9, 1968. [Letter from D.R. Slocum to Worden asking for price information for fungus testing. 1 pp.]

Letter, September 15, 1968. [Letter from Worden to D.R. Slocum providing the pricing information for testing. 1 pp.]

Purchase Order, October 30, 1968. [Purchase order from Aerovox for testing. 1 pp.] (2 copies)

Packing List, November 1, 1968. [Packing list for capacitors for fungus resistance test. 1 pp.]

Invoice, December 9, 1968. [1 pp.]

79. La Pointe Industries, Inc. 1968

Letter, October 29, 1968. [Letter from Worden to Mr. Lopes discuss fungus resistance testing. 1 pp.]

Purchase Order, October 31, 1968. [1 pp.]

Quality Control Representative's Correspondence, November 1, 1968. [Correspondence from LaPointe Industries about source inspections. 1 pp.]

Letter, November 26, 1968. [Letter from Worden to Jack Lopes with a report on fungus resistance testing on electronic components. 1 pp.]

Purchase Order, December 4, 1968. [Void is written on the invoice. 1 pp.]

Purchase Order, December 6, 1968. [This invoice cancels the previous. 1 pp.]

Letter, December 11, 1968. [Letter from Worden to Jack Lopes about the testing that was done. 1 pp.]

Invoice, December 12, 1968. [1 pp.]

80. Thiskol Chemical Corporation-Panelyte Industrial Division, 1968

Purchase Order, April 26, 1968. [1 pp.]

Letter, May 8, 1968. [Letter from Albert Cliff to the Department of Biology regarding fungus resistance testing. 1 pp.]

Letter, May 10, 1968. [Letter from Worden to Albert Cliff acknowledging receipt of purchase order and discussion of cultures. 1 pp.]

Letter, May 15, 1968. [Letter from Worden to Albert Cliff regarding samples. 1 pp.]

Letter, May 20, 1968. [Letter from Worden to Albert Cliff reporting on samples. 1 pp.]

Letter, July 11, 1968. [Letter from Worden to Albert Cliff with final report. 1 pp. Attached to the letter is the final report. 3 pp.]

Report on Fungus Resistance Test, MIL-I-46058A. [Blank form with some notations in pencil. 1 pp.]

Invoice, July 11, 1968. [1 pp.]

Letter, July 26, 1968. [Letter from Albert Cliff to Worden asking about a rating system. 1 pp.]

Letter, July 31, 1968. [Letter from Worden to Albert Cliff discussing the rating system. 2 pp.]

81. Hughson Chemical Company, 1969

Letter, July 14, 1969. [Letter from W.P. Steen to Worden about fungus resistance testing. 1 pp.]

Letter, July 17, 1969. [Letter from Worden to W.P. Steen regarding fungus resistance testing. 1 pp.]

82. Airco Speer, 1969-1970

Letter, April 2, 1969. [Letter from William R. Stock to the Chairman of the Biology Department regarding a quote for testing. 1 pp. Attach to the letter are specification manuals for MIL-R-55182C (Resistors, Fixed, Film, Established Reliability) 44 pp.]

Letter, April 8, 1969. [Letter from Worden to William Stock regarding costs for testing. 1 pp.]

Letter, June 20, 1970. [Letter from Worden to William Stock regarding test results. 1 pp.]

Letter, June 24, 1970. [Letter From Worden to William Stock with test results. 1 pp.]

83. Aire-o-dyne Filter Corporation, 1970

Notice of Special Meeting of Stockholders to be Held in Lieu of Regular Annual Meeting, December 28, 1970. [2 pp.]

Proxy Statement for Special Meeting of the Stockholders to be Held in Lieu of Regular Annual Meeting, December 28, 1970. [47 pp.]

84. IBM, 1970-1972

Invoice, March 24, 1970. [2 pp.]

Report on Fungus Resistance Test, Temp-Humid Logs, March 6, 1970 to April 3, 1970. [Report submitted on April 4, 1970. 2 pp.]

Culture Report Sheet, unknown date. [1 pp.]

Letter, April 15, 1970. [Letter from Edward Vytlačil to Worden regarding testing of equipment. 1 pp.]

Letter, April 18, 1970. [Letter from Worden to Edward Vytlačil regarding testing of equipment. 1 pp.]

Invoice, April 29, 1970. [2 pp.]

Parts Submitted for Fungus Testing, April 29, 1970. [List of parts. 2 pp. Another handwritten list is attached.]

Report by Phone, May 17, 1971. [Report of test samples. 3 pp.]

Letter, May 27, 1971. [Letter from John Worden to Edward Vytlačil with test reports. 1 pp.]

Authorization to Conduct Qualification Test. [Form completed on July 7, 1971. 2 pp.]

Report on Fungus Resistance Test, Controls, October 8, 1971 to November 5, 1971. [Submitted on November 5, 1971. 1 pp.]

Purchase Order, February 9, 1972. [1 pp.]

Certified Mail Receipts. [10 receipts from July 2, 1971 to May 15, 1972.]

Notes. [Notes on various page sizes. 8 pp.]

Sample labels. [11 labels.]

85. Port-A-Case

Letter, March 27, 1972. [Letter from Worden to American Instrument Co. regarding literature, prices, and availability of instruments for testing. 1 pp.]

Letter, March 28, 1972. [Letter from Worden to Frazier Precision Instrument Co. regarding literature, prices, and availability of instruments for testing. 1 pp.]

Letter, April 4, 1972. [Letter from William Grote to Worden about instruments. 2 pp. Attached is an ad for Frazier Scientific Instrument. 1 pp.]

Report on Inspection of Materials, May 5, 1972. [1 pp. Attached are 8 individual reports with measurements for tests that were done.]

Letter, May 6, 1972. [Letter from Mal Pelton to Worden regarding sample written on a rapid memo form. 1 pp.]

Notes. [21 pp.]

Identification of Synthetic Rubber. [Method 15011 from April 12, 1955. 5 pp.]

Determination of Thickness of Textile Materials. [Manual for Method 5030 from December 31, 1968. 2 pp. A second copy has handwritten notes. 3 pp.]

Yarns Per Inch in Woven Cloth. [Method 5050 from December 31, 1968. 3 pp.]

Determination of Weight of Textile Materials: Small Specimen Method. [Method 5041 from December 31, 1968. 2 pp.]

Identification of Cotton. [Method 1200 from December 31, 1968. 3 pp.]

Section 4: Atmospheric Conditions for Testing. [Fed. Test Method Std. No. 191 from December 31, 1968. 1 pp.]

Interim Federal Specification Case, Dispatch, Artificial Leather (Wood Frame). [KK-C-00115a from August 18, 1966. 7 pp.] (2 copies)

Amendment to Interim Federal Specification Case, Dispatch, Artificial Leath (Wood Frame). [KK-C-00115A from August 10, 1970. 1 pp.] (2 copies)

Schiefer, Herbert F. "The Compressometer, An Instrument for Evaluating the Thickness, Compressibility, and Compressional Resilience of Textiles and Similar Materials." Bureau of Standards Bureau of Research 10 (June 1933): 705-713.

Measurement and Data News 6, no. 2 (March-April 1972): 1-401.

American Chemical Society envelope. [Unopened.]

Dictionary Buyers' Guide 1972. [From *Medical Electronics & Equipment News*.]

86. Miscellaneous Items

Prayer Card. [St. Jude Thaddeus, Shrine of St. Jude.]

Thorman, Donald J. *St. Jude: Saint of the Impossible*. Ave Maria Press, 1958.

Barometer Comparison Scale

Fire Extinguisher Record Cards. [2 cards from 1953].

Lottery Cards. [2 NYS 50 cent lottery cards from June 21, 1973 and November 8, 1973.]

"Here is Listing of Noise Readings." [Newspaper article.]

Life Magazine. [Miniature reprint of Life Magazine from January 4, 1883 (1st issue ever printed). This miniature edition was promotional to encourage people to buy the full-size magazine.]

Johnson, Eleanor M. *Firemen*. The Educational Printing House, Inc., 1934. [Unit Study Book.]

87. Special Policeman, Olean, 1965

Letter, April 30, 1965. [Letter from Mary Cawley to Worden appointing him Special Policeman for Olean in 1965. 1 pp.]

Special Policeman Card. [Card signifying Worden as Special Policeman with another card "In the event of accident obtain the following information from the next driver."]

88. 1976 Bicentennial

1976 Bicentennial Ball Program. [Program has pencil attached. Mr. and Mrs. Worden are listed under the Committee on Decorations. 16 pp.] (4 copies)

The St. Bona Venture 1, no. 1 (May 5, 1976). [Special edition to celebrate the 50th anniversary of *The St. Bona Venture*.]

"Installation of Father Mathias—Professor Welcomes President with Reminiscences of the Past." *Times Herald* (May 6, 1976): 21.

Times Herald, 116, no. 191 (August 13, 1976).

Times Herald, 116, no. 154 (June 30, 1976). [Bicentennial edition]

89. Bartlett Country Club, 1975-1979

Letter, March 11, 1974. [Letter from Worden to William Campbell asking Directors to consider adding a membership category for retired, over 65, and who are long time members of the Club. 1 pp.]

Letter, May 16, 1975. [Letter from John Worden to Richard Niewiadomski asking Directors of the Club to consider establishing a special category of membership for retired, over 65, and long time members. 1 pp.]

Letter, December 20, 1978. [Letter from Virginia Cecchi to Worden acknowledging Worden's resignation on March 16, 1978, and activating him as a single social member because he had "recovered sufficiently to use the club in a normal manner." 1 pp.]

Letter, January 3, 1979. [Letter from Worden to Virgil Lorenzini taking exception to the letter of December 20, 1978. 1 pp.]

Letter, January 16, 1979. [Letter to Worden from Virgil Lorenzini letting him know that reversing his membership status will stand. 1 pp.]

Letter, July 2, 1979. [Letter from C. Chris Henzel to Worden stating they did not honor Worden's request to retroactively credit his account for four months dues and not to change their account four months assessment. 1 pp.]

Letter, unknown date. [Letter from Leone Worden to Mr. Shove about dues. 1 pp.]

Letter, unknown date. [Letter from Leone Worden discussing her feelings about the dues and membership status. 1 pp.]

Letter, July 23, 1979. [Letter from Lorenz Worden to Chris Henzel confirming their agreement that matters concerning the membership of John Worden be referred to his executor, John L. Worden III, and not his mother. 1 pp.]

90. Leone Elizabeth Worden Art Inventory, 2023

Leone Elizabeth Borer Worden Art Inventory – February 22, 2023. [Inventory of Leone Worden's art pieces. 16 pp.]

Box 3 (2023.14)

A Laboratory Manual of Vertebrate Embryology. [Manuscript includes corrections/handwritten notations in pencil. Includes different size sheets of paper. 61 pp.] (2023.14.91)

A Laboratory Manual of Vertebrate Embryology. [Text pasted onto larger sheets of paper. Manuscript includes handwritten notations in pencil. Encased in gray folder. 112 pp.] (2023.14.92)

A Laboratory Manual of Vertebrate Embryology. [1935 ed. Blue hardcover. 110 pp.] (2023.14.93)

A Laboratory Manual of Vertebrate Embryology. [Title page has the handwritten inscription: "With the compliments of the artist and the authors –Leone E. Worden, Fr. Hubert, OFM, John L. Worden. 112 pp. Softcover.] (2023.14.94)

A Laboratory Manual of Vertebrate Embryology. [112 pp. Softcover.] (2023.14.95)

A Laboratory Manual of Vertebrate Embryology. [Attached note: "Note: This edition contained miscellaneous papers. As with the 1956 2nd printing, it appears this specific manual was being reviewed or edited for future use." Softcover with no title embossed on the front cover. Includes loose pages and some of the figures have been colored. 112 pp.] (2023.14.96)

Von Vega, Baron. *Logarithmic Tables of Numbers and Trigonometrical Functions*. Translated by W.L.F. Fischer. New York: D. Van Nostrand Company, 1916. [Inside front cover has John L. Worden and Lorenz M. Worden handwritten and typed with addresses.] (2023.14.97)

Seraphin, Eugene, O.F.M., and Jerome A. Kelly, O.F.M. *Maps of the Land of Christ: A Book of Maps of Palestine*. Paterson, N.J.: St. Anthony's Guild, 1938. (2023.14.98)

LeSourd, Homer W. *Principles and Formulas of Elementary Physics*. Boston, Massachusetts: Press of Hermann Schulz & Co., 1915. [John L. Worden is written on the front cover. Handwritten notes throughout the book.] (2023.14.99)

"Proceedings of International Conference on Ionization of the Air." [Volume II from the October 16-17, 1961 conference in Philadelphia, PA.] (2023.14.100)

Cheesman, J.E. "Part XII: Perineum (Female)." In *Bailliere's Synthetic Anatomy*. New York: Thomas Nelson & Sons. [Possibly from the late 1920s, it was published in installments and housed in dedicated album.] (2023.14.101)

Cheesman, J.E. "Part X: The Brain." In *Bailliere's Synthetic Anatomy*, New York: Thomas Nelson & Sons. [Possibly from the late 1920s, it was published in installments and housed in a dedicated album.] (2023.14.102)

Cheesman, J.E. *Bailliere's Synthetic Atlas of the Entire Human Anatomy*, New York: Thomas Nelson & Sons. [Album with Parts I, II, III, IV, V, VI, VII, IX, and IXa. Includes looseleaf papers that have instructions for using the atlas.] (2023.14.103)

Diploma cover. [St. Bonaventure's College. "John Worden: Kindly apply to Fr. Remigius for degree." is typed on a looseleaf sheet of paper in the cover. 21.5 cm. x 16 cm.] (2023.14.104)

Lightbox. [To view slides. Approximately 27 cm. x 22.5 cm.] (2023.14.105)

Slides. [3 boxes (different sizes) of slides labeled: "these may be the slides used for the illustrations in "A Laboratory Manual of Vertebrate Embryology.""] (2023.14.106-108)

Darien, Georgia Sketch. [Sketch by Peg Bothner.] (2023.14.109)

St. Bonaventure University Decal. [35 cm. x 5 cm.] (2023.14.110)

Box 4 (2023.14)

Stamps. [9 stamps.] (2023.14.111)

1. Dr. John L. Worden/St. Bonaventure University/St. Bonaventure, N.Y. 14778
2. Worden/145 North Barry Street/Olean, New York 14760
3. St. Bonaventure Biology Lab (2 stamps)
4. Schaar Scientific Company/7300 W. Montrose Ave./Chicago 34, Illinois
5. Special Delivery
6. Address Reply To
7. Olean, N.Y.
8. Wesix Research Project/St. Bonaventure University/St. Bonaventure, New York

NASA Test Pieces. [16 pieces of material in bags labeled 1-7. Note with material says, “This might be some of JLW’s NASA test pieces?”] (2023.14.112)

Columbia, Tennessee Police Department Patch. (2023.14.113)

New York Fire Rescue Patch. (2023.14.114)

Cloth Mask. [Observer with green circle is painted on the mask.] (2023.14.115)

Emergency Medical Technician Belt Buckle. (2023.14.116)

Coral Lab Specimen. [Embedded in experimental plastic by Worden, ca. 1940s.] (2023.14.117)

Midget Pocket Adding Machine with case. [Includes paper instructions.] (2023.14.118)

Bard Parker Knife Case. [Includes 3 blades.] (2023.14.119)

St. Bonaventure University Matchbook. [3 matchbooks for the 100th anniversary. The Blessing of St. Francis is on the back of the matchbook.] (2023.14.120)

Women’s Powder Compact. [SBU seal is on the top. Possibly a prom gift? Donated by Margaret S. Worden.] (2023.14.121)

Pocket Watch. [The watch is damaged. Envelope says “Spare parts. Went through fire here in about 1930. Belonged to Hubert.”] (2023.14.122)

Printing Plate. [For business card. John L. Worden, Jr.] (2023.14.123)

Printing Block. [Initials JLW. Includes 3 pieces of paper with engraving stamped on.] (2023.14.124)

Special Citation ribbon. [St. Bonaventure University insignia in the center of the gold ribbon.] (2023.14.125)

2025.26 Items in Box 4:

St. Bonaventure College Matchbook. [2025.26.14]

Box 5 (2023.14)

Plate I. [Printing plate for Plate I, Figure 1. Diagrammatic representation of the history of the gamets. After Patten. Approximately 19.5 cm. x 12.5 cm.] (2023.14.126)

Plate III. [Printing plate for Plate III, Figure 5 A, B, and C. Mitosis. Drawn from a section of the spermary of *Potamobius trowbridgei* (Western crayfish). A. Resting cell; B. Early prophase; C. Later prophase. Approximately 14 cm. x 5 cm.] (2023.14.127)

Plate III. [Printing plate for Plate III, Figure 5 D, E, and F. Mitosis. Draw from a section of the spermary of *Potamobius trowbridgei* (Western crayfish). D. later prophase; E. metaphase; F. Anaphase. Approximately 14 cm. x 5 cm.] (2023.14.128)

Plate III. [Printing plate for Plate III, Figure 5 G and H. Mitosis. Drawn from a section of the spermary of *Potamobius trowbridgei* (Western crayfish). G-H. Telophase. Approximately 13 cm. x 4 cm.] (2023.14.129)

Plate IV. [Printing plate for Plate IV, Figure 6. Cross section of the mammalian ovary. Approximately 8.5 cm. x 5.5 cm.] (2023.14.130)

Plate V. [Printing plate for Plate V, Figure 9. Cross section of an avian ovary. Approximately 9.5 cm. x 6.5 cm.] (2023.14.131)

Plate VI. [Printing plate for Plate VI, Figure 12. Cross section of a mammalian testis. Approximately 10 cm. x 7 cm.] (2023.14.132)

Plate VII. [Printing plate for Plate VII, Figure 15. Types of spermatozoa. A. Bird; B. Snail; C. Opossum; D. Rat; E. Bat. Selected after Kellicott. Approximately 14 cm. x 7 cm.] (2023.14.133)

Plate VII. [Printing plate for Plate VII, Figure 16 and 17. Figure 16. Spermatozoon of a crustacean. After Kellicott. Figure 17. The human Spermatozoon. A. in profile view; B in surface view. Modified after Bonnet. Approximately 11.5 cm. x 11 cm.] (2023.14.134)

Plate VIII. [Printing plate for Plate VIII, Figure 18 D and E. Cleavage, blastulation, and gastrulation in *Asterias* (Starfish). D. Eight cell stage; E. Blastula. Approximately 13 cm. x 3 cm.] (2023.14.135)

Plate IX. [Printing plate for Plate IX, Figure 19 A, B, C, D, E, and F. Segmentation and germ layer formation in *Amphioxus*. A-F. Early cleavage and blastulation. Approximately 17.5 cm. x 3 cm.] (2023.14.136)

Plate IX. [Printing plate for Plate IX, Figure 19 K, L, and M. Segmentation and germ layer formation in *Amphioxus*. K-M. Elongation and narrowing of the blastopore. Approximately 13.5 cm. x 2.5 cm.] (2023.14.137)

Plate IX. [Printing plate for Plate IX, Figure 19 N, O, and P. Segmentation and germ layer formation in *Amphioxus*. N-P. Cross sections showing the formation of the three germ layers. Modified after Kellicott. Approximately 13 cm. x 3 cm.] (2023.14.138)

Plate IX. [Printing plate for Plate IX, Figure 19 Q and R. Segmentation and germ layer formation in *Amphioxus*. N-R, Cross sections showing the formation of the three germ layers. Modified after Kellicott. Approximately 11 cm. x 3 cm.] (2023.14.139)

Plate XI. [Printing plate for Plate XI, Figure 21 E, F, G, and H. Segmentation and germ layer formation in a mammal. E. Median sagittal section of blastula. G and H. Formation of the ectoderm and endoderm. Approximately 16 cm. x 3 cm.] (2023.14.140)

Plate XII. [Printing plate for Plate XII, Figure 22. Definition of the embryonic area and formation of the villi in the human. Approximately 15.5 cm. x 7 cm.] (2023.14.141)

Plate XII. [Printing plate for Plate XII, Figure 23. Schematic diagram of the gravid uterus of the human. Approximately 7.5 cm x 7 cm.] (2023.14.142)

Plate XIII. [Printing plate for Plate XIII, Figure 25 A. Cross section of eighteen to twenty-four hour chick embryos showing formation of the germ layers. A. Lips of the blastopore, primitive streak stage. Approximately 11 cm. x 2.5 cm.] (2023.14.143)

Plate XIII. [Printing plate for Plate XIII, Figure 25 C. Cross section of eighteen to twenty-four hour chick embryos showing formation of the germ layers. C. Somite region of a twenty-four hour chick. Approximately 11 cm. x 4 cm.] (2023.14.144)

Plate XV. [Printing plate for Plate XV, Figure 30. Cross section through Hensen's node – eighteen hour chick embryo. Approximately 11.5 cm. x 2.5 cm.] (2023.14.145)

Plate XVII. [Printing plate for Plate XVII, Figure 35. Cross section through the region of the divergence of the walls of the fore-gut of a twenty-four hour chick embryo. Approximately 9 cm. x 3 cm.] (2023.14.146)

Plate XVIII. [Printing plate for Plate XVIII, Figure 37. Cross section through the primitive streak region of a twenty-four hour chick embryo. Approximately 8.5 cm. x 2.5 cm.] (2023.14.147)

Plate XX. [Printing plate for Plate XX, Figure 40. Cross section through the diencephalic region of a thirty-six hour chick embryo. Approximately 11 cm. x 2.5 cm.] (2023.14.148)

Plate XXI. [Printing plate for Plate XXI, Figure 43. Cross section through the mid-somite region of a thirty-six hour chick embryo. Approximately 10 cm. x 2 cm.] (2023.14.149)

Plate XXII. [Printing plate for Plate XXII, Figure 46 and 47 A and A. Figure 46. Schematic diagrams to show the development of the extra embryonic membranes of the chick. A. Transverse section, thirty hours incubation. Figure 47. A. Longitudinal section, thirty hours incubation. Approximately 19 cm. x 6.5 cm.] (2023.14.150)

Plate XXII. [Printing plate for Plate XXII, Figure 46 and 47 B and B. Figure 46. Schematic diagrams to show the development of the extra embryonic membranes of the chick. B.

Transverse section, seventy-two hours incubation. Modified, after Duval. Figure 47 B.
Longitudinal section, seventy-two hours incubation. Modified, after Lillie. Approximately 19 cm. x 8.5 cm.] (2023.14.151)

Plate XXIII. [Printing plate for Plate XXIII, Figure 48 and 49 B and B. Figure 48. Schematic diagrams to show the development of the extra-embryonic membranes of the chick. B. Transverse section, fourteen days after incubation. Modified after Duval. Figure 49 Schematic diagrams to show the development of the extra-embryonic membranes of the chick. B. Longitudinal section, fourteen days after incubation. Modified, after Lillie. Approximately 19.5 cm. x 9.5 cm.] (2023.14.152)

Plate XXIV. [Printing plate for Plate XXIV, A and B. Schematic diagram showing flexion and development of the digestive tube in the chick. The embryos are represented as unaffected by torsion. Mesodermal structures, with the exception of the heart, are omitted. A. Primitive streak stage. B. Thirty hours incubation. Approximately 17 cm. x 1.5 cm.] (2023.14.153)

Plate XXIV. [Printing plate for Plate XXIV, C and D. Schematic diagram showing flexion and development of the digestive tube in the chick. The embryos are represented as unaffected by torsion. Mesodermal structures, with the exception of the heart, are omitted. C. Forty-eight hours incubation. D. Seventy-two hours incubation. Approximately 15.5 cm. x 3 cm.] (2023.14.154)

Plate XXVI. [Printing plate for Plate XXVI, Figure 52. Cross section through the level of the myelencephalon and optic vesicles of a forty-eight hour chick embryo. Approximately 11 cm. x 4 cm.] (2023.14.155)

Plate XXIX. [Printing plate for Plate XXIX, Figure 60. Cross section through the level of the auditory vesicles of a seventy-two hour chick embryo. Approximately 10.5 cm x 4.5 cm.] (2023.14.156)

Plate XXXI. [Printing plate for Plate XXXI, Figure 67. Diagrammatic transections showing the development of the coelom in vertebrates. Approximately 18.5 cm. x 4.5 cm.] (2023.14.157)

Plate XXXII. [Printing plate for Plate XXXII, Figure 68. Cross section through the level of the optic cups, mouth and pharynx of a twenty millimeter pig embryo. Approximately 9.5 cm. x 4.5 cm.] (2023.14.158)

Plate XXXII. [Printing plate for Plate XXXII, Figure 69 and 70. Figure 69. Cross section through the region of the anterior limb buds of a twenty millimeter pig embryo. Approximately 13.5 cm. x 8.5 cm.] (2023.14.159)

Plate XXXIV. [Printing plate for Plate XXXIV, Figure 73. Figure representing the changes in the aortic arches of a mammal. Modified, after Hochstetter. Approximately 8 cm. x 5.5 cm.] (2023.14.160)

Plate XXXIV. [Printing plate for Plate XXXIV, Figure 74. Diagram showing the relating of the aortic arches to the pharynx. Sinistral view. From a reconstruction, after Tandler. Approximately 9 cm. x 4 cm.] (2023.14.161)

Plate XXXVI. [Printing plate for Plate XXXVI, Figure 77. Diagrammatic representation of the pharynx, digestive tube and mesonephroi of a five millimeter human embryo. Modified, after Prentiss. Approximately 13.5 cm. x 6 cm.] (2023.14.162)

Plate XXXVII. [Printing plate for Plate XXXVII, Figure 78 A and B. Four stages in development of the digestive tube and its appended organs – in man. Approximately 14.9 cm. x 9.5 cm.] (2023.14.163)

Plate XXXVII. [Printing plate for Plate XXXVII, Figure 78 C and D. Four stages in development of the digestive tube and its appended organs – in man. Approximately 14.5 cm. x 9.5 cm.] (2023.14.164)

Plate XXXIX. [Printing plate for Plate XXXIX, Figure 83. Diagrammatic transections showing the development of the nephric tubules. A. Pronephric tubule of a thirty-six hour chick embryo. After Lillie. B. Functional pronephric tubule. C. Functional mesonephric tubule. B and C after Wiedersheim. Approximately 17 cm. x 3.5 cm.] (2023.14.165)

Plate XXXIX. [Printing plate for Plate XXXIX, Figure 86 A and B. Schematic diagrams showing the further development of the metanephros, fate of the mesonephric and Mullerian ducts and sexual differentiation. These changes occur after the fifth day of incubation. The left portion of each figure represents the male organization; the right portion, the female. In B only the neck of the allantois is shown. Modified, after Patten. Approximately 14.5 cm. x 5 cm.] (2023.14.166)

Plate XL. [Printing plate for Plate XL, Figure 87. Development of the neuromeric enlargements of the brain region of the neural tube. A-D. Dorsal aspect; E. Mid-coronal section. Approximately 16.5 cm. x 4.5 cm.] (2023.14.167)

Plate XL. [Printing plate for Plate XL, Figure 89. Diagrammatic mid-sagittal section through the brain of a twenty millimeter pig embryo. Approximately 4.5 cm. x 3.5 cm.] (2023.14.168)

Plate XLI. [Printing plate for Plate XLI, Figure 90. The development of the ear. A-F. The internal ear. D, E, and F after reconstruction of Streeter. Approximately 17.5 cm. x 8 cm.] (2023.14.169)

Plate XLI. [Printing plate for Plate XLI, Figure 90. The development of the ear. G-I. The middle ear; J-M. The external ear; N. The completed ear – the middle ear and a portion of the external auditory tube are represented as open to show the structures within. J, K, L, and M, modified after His. Approximately 17.5 cm. x 14.5 cm.] (2023.14.170)

Plate XLII. [Printing plate for Plate XLII, Figure 91 A and B. The development of the eye. A. From a forty-eight hour chick embryo; B. From a seventy-two hour chick embryo. Approximately 13.5 cm. x 2.5 cm.] (2023.14.171)

Plate XLII. [Printing plate for Plate XLII, Figure 92. Median section through the eye of a twenty-five millimeter pig embryo. Approximately 7.5 cm. x 6 cm.] (2023.14.172)

Plate XLIII. [Printing plate for Plate XLIII, Figure 93 and 94. Figure 93 The head and face region of a ninety-six hour chick embryo. After Patten. Figure 94 The head and face region of a one hundred and twenty hour chick embryo. Approximately 13 cm. x 6 cm.] (2023.14.173)

Plate XLIII. [Printing plate for Plate XLIII, Figure 95. Median section through a fully developed human eye. Based on Sobotta. Approximately 10.5 cm. x. 6 cm.] (2023.14.174)

Plate XLIV. [Printing plate for Plate XLIV, Figure 96. A diagrammatic representation of the development of the formed elements of the blood according to the unitaristic theory. After Maximow. Approximately 23 cm. x 19.5 cm.] (2023.14.175)

2025.26 Items in Box 5

Plate II. [Printing plate for Plate II, Figure 3. Meiosis (diagrammatic) in a cell having four somatic chromosomes. Approximately 18 cm. x 2.5 cm.]

Plate VI. [Printing plate for Plate VI, Figure 13 and 14. Figure 13 Cross section of a tubule of the epididymis. Figure 14. Sector of a cross section of a seminiferous tubule. Approximately 14.5 cm. x 4.5 cm.]

Plate XV. [Printing plate for Plate XV, Figure 29. Cross section through the anterior portion of an eighteen hour chick embryo. Approximately 12 cm. x 2.5 cm.]

Plate XVIII. [Printing plate for Plate XVIII, Figure 36. Cross section through the somite region of a twenty-four hour chick embryo. Approximately 8.5 cm. x 1.5 cm.]

Plate XXVIII. [Printing plate for Plate XXVIII, Figure 58. Chick embryo of about seventy-two hour incubation – thirty-six pairs of somites. Dextro-dorsal view. Approximately 8 cm. x 6.5 cm.]

Plate XXVIII. [Printing plate for Plate XXVIII, Figure 59. Diagram of a seventy-two hour whole mount indicating the levels from which the following cross sections are taken. Approximately 7.5 cm. x 8 cm.]

Plate XXX. [Printing plate for Plate XXX, Figure 63. Cross section through the level of the olfactory pits and the lung buds of a seventy-two hour chick embryo. Approximately 11 cm. x 4 cm.]

Plate XXXVIII. [Printing plate for Plate XXXVIII, Figure 82. The thymus, thyroid and parathyroid glands after birth. Human. Modified, after Sobotta. Approximately 4.5 cm. x 3 cm.]

Large Items (2023.14)

Emergency Medical Services Sign. [4 signs, “Emergency Medical Services / Dr. John L. Worden.” 53 cm. x14 cm.] (2023.14.176)

Additional Items in the Collection (2023.14)

Vecchierello, Rev. Hubert, O.F.M. *The Virgin Birth of Jesus Christ*, Paterson, N.J.: St. Anthony Guild Press, 1932. [Located in Faculty Publications.] (2023.14.177)

Vecchierello, Rev. Hubert, O.F.M. *Science and Philosophy*, Paterson, N.J.: St. Anthony Guild Press, 1933. [Located in Faculty Publications.] (2023.14.178)

Vecchierello, Rev. Hubert, O.F.M. *Catholics and Evolution*, Paterson, N.J.: St. Anthony Guild Press, 1933. [Located in Faculty Publications.] (2023.14.179)

Vecchierello, Rev. Hubert, O.F.M. *Einstein and Relativity; Le Maitre and the Expanding Universe*, Paterson, N.J.: St. Anthony Guild Press, 1934. [Located in Faculty Publications.] (2023.14.180)

Vecchierello, Rev. Hubert, O.F.M. *Life—Is it Mechanistic or Purposive?*, Paterson, N.J.: St. Anthony Guild Press, 1934. [Located in Faculty Publications.] (2023.14.181)

Vecchierello, Rev. Hubert, O.F.M. *Science and Religion*, Paterson, N.J.: St. Anthony Guild Press, 1934. [Located in Faculty Publications.] (2023.14.182)

Vecchierello, Rev. Hubert, O.F.M. *Evolution—Fact or Fancy?*, Paterson, N.J.: St. Anthony Guild Press, 1934. [Located in Faculty Publications.] (2023.14.183)

2024.19.2 (Located in 2023.14.34, Box 1)

“From Lab Manual to Mardi Gras: John and Leone Worden in the News, 1933-1954.” [A collection of newspaper articles collected by Robert Worden that reference John and Leone Worden.]

2025.24 (Located in 2023.14, Box 1)

St. Bona and Allegany, Aerial. [Film negative from September 6, 1938, taken at noon. The negative is housed in an envelope that has a key for where certain pieces of St. Bonaventure and Worden’s home are in the aerial.] (2025.24.001)

St. Bonas., Aerial. [Film negative from September 6, 1938, taken at noon. The negative is housed in an envelope that has a key for where certain pieces of St. Bonaventure and Worden's home are in the aerial.] (2025.24.002)

Allegany, Aerial. [Film negative from September 6, 1938. Envelope: "looking north from the college, convent in foreground, 5 mile valley (to Buffalo) upper left."] (2025.24.003)

Snow Scene with John Worden. [Film negative of John Worden from January 15, 1939.] (2025.24.004)

Snow Scene with Hubert Vecchierello. [Film negative of Hubert Vecchierello from January 15, 1939.] (2025.24.005)

Snow Scene with Train. [Taken on January 15, 1939.] (2025.24.006)

Snow Scene. [Trees. Taken on January 15, 1939.] (2025.24.007)

Snow Scene. [Trees. Taken on January 15, 1939.] (2025.24.008)

Snow Scene. [Negative has Pennsylvania Railroad Station and Motherhouse in the background. Taken on January 15, 1939.] (2025.24.009)

Snow Scene. [Unknown object. Taken on January 15, 1939.] (2025.24.010)

Snow Scene. [Hills in the background. Taken on January 15, 1939.] (2025.24.011)

Snow Scene. [Alumni Hall in winter. Taken on January 15, 1939.] (2025.24.012)

Snow Scene. [Hickey Dining Hall. Taken on January 15, 1939.] (2025.24.013)

Snow Scene. [Taken on January 15, 1939.] (2025.24.014)

Carta Linguista Missionis Inter Papacos. [Negative of map. Typed on envelope: "Map-San Luis Re, Super XX, film pack, Weston 64. D.K. 20." Handwritten: OFM Carta Linguista.] (2025.24.015)

Hubert Vecchierello. [Hubert Vecchierello working. Taken in the Summer 1938.] (2025.24.016)

Postcard. [Friedsam Memorial Library. Typed on envelope: "These prints must be returned to: John Worden, St. Bonaventure, NY."] (2025.24.017)

Postcard. [Friedsam Memorial Library.] (2025.24.018)

2025.26

Biological Equipment (2025.26.1 and 2025.26.2)

Biological Equipment. [Two boxes of equipment used by Worden during his time in the SBU Biology Department and his time researching Fungus Resistance and with the Wesix Research Foundation.]

Proofs

Mitosis Proof. ["JLW-Del" is printed on the proof. Handwritten on the back: "This is to remain the same size as it now is. Same size." Approximately 18 cm. x 16 cm.] (2025.26.3)

Cell Proof. ["JLW-Del" is printed on the proof. Handwritten on back: "This is to be reduced by at least ½." (crossed off) Approximately 21.5 cm. x 23.5 cm.] (2025.26.4)

Printing Plates (Located in 2023.14, Box 5)

Plate II. [Printing plate for Plate II, Figure 3. Meiosis (diagrammatic) in a cell having four somatic chromosomes. Approximately 18 cm. x 2.5 cm.] (2025.26.5)

Plate VI. [Printing plate for Plate VI, Figure 13 and 14. Figure 13 Cross section of a tubule of the epididymis. Figure 14. Sector of a cross section of a seminiferous tubule. Approximately 14.5 cm. x 4.5 cm.] (2025.26.6)

Plate XV. [Printing plate for Plate XV, Figure 29. Cross section through the anterior portion of an eighteen hour chick embryo. Approximately 12 cm. x 2.5 cm.] (2025.26.7)

Plate XVIII. [Printing plate for Plate XVIII, Figure 36. Cross section through the somite region of a twenty-four hour chick embryo. Approximately 8.5 cm. x 1.5 cm.] (2025.26.8)

Plate XXVIII. [Printing plate for Plate XXVIII, Figure 58. Chick embryo of about seventy-two hour incubation – thirty-six pairs of somites. Dextro-dorsal view. Approximately 8 cm. x 6.5 cm.] (2025.26.9)

Plate XXVIII. [Printing plate for Plate XXVIII, Figure 59. Diagram of a seventy-two hour whole mount indicating the levels from which the following cross sections are taken. Approximately 7.5 cm. x 8 cm.] (2025.26.10)

Plate XXX. [Printing plate for Plate XXX, Figure 63. Cross section through the level of the olfactory pits and the lung buds of a seventy-two hour chick embryo. Approximately 11 cm. x 4 cm.] (2025.26.11)

Plate XXXVIII. [Printing plate for Plate XXXVIII, Figure 82. The thymus, thyroid and parathyroid glands after birth. Human. Modified, after Sobotta. Approximately 4.5 cm. x 3 cm.] (2025.26.12)

Articles (Located in 2023.14.47, Box 1)

“The Effects of Evipal on the Golden Hamster.” [Pamphlet reprinting the article: “Hypnotic, Anesthetic and Toxic Effects of Sodium N-Methyl-Cyclohexenyl-Methyl-Barbituric Acid (Evipal) on the Golden Hamster.” *Science Studies* 15 (December 1953): 28-39.] (2025.26.13)

SBU Memorabilia (Located in 2023.14, Box 1 and Box 4)

St. Bonaventure College Matchbook. [2025.26.14. Located in 2023.14 Box 4]

Postcard. [Postcard to Worden from Sister M. Carita in 1938. The postcard has a drawing of the loop on the WNY & P. Traction Co’s lines between Olean, NY and Bradford, PA.] (2025.26.15 Located in 2023.14.57 Box 1)

Large Items

Turtle Dissection Biological Chart. [1937. Created by General Biological Supply House, Turtox Products. 39.5 in. x 31 in.] (2025.26.16)