

Collection 1

Wildlife Information Center

Series 1 - Legal Paperwork (Charter, Incorporation, Constitution, By-Laws, Tax Exemption, Charitable Organization Registration, Fictitious Name)

1.1 Constitution and By-Laws

Folder 1 - Nov 10, 2010 constitution and by-laws; Jan. 23, 2012 constitution and by-laws; Sep. 25, 2023 bylaws

1.2 Pennsylvania Dept. of State Registration

Folder 1 - 1991 charitable organization registration; 2005 required solicitation wording

1.3 Pennsylvania Dept. of Revenue

Folder 1 – Tax exemption for PPL electricity, 2010

1.4 Pennsylvania Dept. of Community and Economic Development

Folder 1 – Educational Improvement Organization application for Educational Improvement Tax Credit Program, 2017

Series 2 - Board of Directors (Meeting Agendas, Minutes, Strategic Planning)

2.1 Agendas and minutes with meeting reports and documents

Folder 1 - 1986-1997

1986 - [no holdings]

1987 - [no holdings]

1988 - Jun, Dec agendas; DSH memo to Board re: wildlife fact sheet plans

1989 - Apr minutes

1990 - Jan, Aug agendas, minutes; Jan notes

1991 - Jan, Apr agendas; Jan notes; Apr, Jun minutes

1992 - Feb, Oct agendas, minutes

1993 - Feb, Jul agendas, minutes

1994 - Jan, Jul agendas, minutes; Mar inventory of WIC equipment; Sep DSH letter to Board advising that he needs to be paid and will no longer house WIC office in his home; Oct. DSH reply to Vice President Sinclair's resignation letter

1995 - Jan, Jun agendas, minutes

1996 - Jan, Jul agendas, minutes; Apr minutes; list of projects that require funding

1997 - Jan, Jun agendas, minutes; Jan DSH memo to Board re: investing funds

Folder 2 - 1998-2003

1998 - Jan (2), May, Jul

1999 - Jan, Jun

2000 - Jan, Mar, Jun

2001 - Jan, Mar, Jun, Aug; Jan email Board vote re: check signatures

2002 - Jan, Feb, Jun, Jul; Apr email Board vote re: Hodson property purchase; email Board vote re: extension on purchase of Hodson property

2003 - Jan, Jun

Folder 3 - 2004-2008

2004 - Jan, Jun, Aug, Sep, Nov
2005 - Jan, Feb, May, Jun, Aug, Oct, Nov, Dec
2006 - Jan, Feb, Mar, May, Aug, Oct, Nov; Hoopes email re: WIC long-range planning, leadership
2007 - Jan, Mar, Jul, Aug, Dec
2008 - Jan, Feb, Apr, Jul, Sep, Nov; Aug email to Board canceling Aug meeting and attaching Jun and Jul executive director reports
Folder 4 - 2009-2013
2009 - Jan, Feb, Mar, Apr, Jun (2), Aug, Sept, Nov
2010 - Jan, Apr, May, Jun, Aug, Oct, Nov
2011 - Jan-May, Aug-Nov; Jan Board resignation letter from Jeff Frantz
2012 - Jan-Mar, May, Jul-Nov
2013 - Feb (2), Apr-May, Jul-Nov
Folder 5 - 2014-Jan-Apr, Jun, Aug-Nov
Folder 6 – 2015 – Feb-Nov
Folder 7 – 2016 – Jan-Nov
Folder 8 – 2017 – Jan-Nov

2.2 Strategic Planning

Folder 1 – Long Range Planning, 2001-2003
Folder 2 - Strategic plans for 2012-2016, 2017-2021, 2022-2026

Series 3 - Board of Directors Standing Committee Records

3.1 Finance Committee

Folder 1 – Investment Policy, 2005

Series 4 - Financial Statements and Tax Returns

4.1 Yearly financial statements

Folder 1 - 1986-1989
Folder 2 - 1991-1999
Folder 3 - 2000-2005
Folder 4 - 2006-2007, 2009

4.2 Federal Tax Returns (Form 990)

Folder 1 - 1991 IRS letter re: exempt status; 1991; 1993 1099-Int statements; 1995; 1998; 1999
Folder 2 - 2000-2004
Folder 3 - 2005-2007

Series 5 - Financial Records (loans, mortgages, bank statements, checks, bills, etc.)

5.1 Loans and Mortgages (see also individual land purchases for mortgages and loans associated with a specific purchase)

Folder 1 - Christman loan, 2002; Leahy loan, 2002; Neuman Publicker Foundation loan, 2002

5.2 Receipts and Bills

Folder 1 - 1993 Jan-June receipts
Folder 2 – 2007 ice/snow removal; 2009/2010 insurance bill

Series 6 - Fund Raising/Capital Campaign Activities and Donations

6.1 Gala Fund Raising Party (Nov. 1990)

Folder 1 - donation note for autographed Roger Tory Peterson book

6.2 Lehigh Gap Restoration Project (2002)

Folder 1 - letters to members, former members, donors, and volunteers, with brochure, pledge form, and return envelope; short and long versions of WIC plan for Lehigh Gap

6.3 Achieve the Vision Campaign (2006-2008)

Folder 1 - Consultant : Markward Group contact information and notes; Secor Associates information, contract, bills in folder and campaign planning outline, discussion points list, campaign readiness surveys and updates (June, July 2007 and undated)

Folder 2 - Campaign Steering Committee agendas, meeting packets, minutes and campaign log book; capital campaign expenses

Folder 3 - Documents created to explain LGNC, its mission, goals, programs, and funding opportunities - Campaign Mission/Vision statement; Background and Objectives statement; 10 and 12 page campaign explanations; 2 page summary; What Makes LGNC Unique flyer; Giving Opportunities and Naming information; budget sheets; expense/donation sheet

Folder 4 - Letters of support for campaign and LGNC - school districts, municipalities, legislators, PA, EPA, organizations

Folder 5 - Campaign Materials, Donor Events, Foundations- folders, letter packets, brochures, pledge cards; VIP/Leadership Reception at PPL; Carbon County VIP list; Weidensaul reception and lecture

Folder 6 - Prospects lists - businesses, individuals, and foundations donations; donor correspondence

6.4 Leaf Tiles

Folder 1 - design sketches, tri-fold brochure for outside display; bills from Pots By dePerrot for fabrication of display

6.5 Seed and Suet Sale, 2011

Folder 1 -tri-fold brochure

6.6 Donations

Folder 1 – Jane Goplerud estate

Folder 2 – Nationwide Foundation, 2017, \$100, in recognition of volunteer hours to LGNC by employee Ann Griffin

Folder 3 – Donald Heintzelman donations, 2002-2017, mostly library materials

Series 7 - Grants (by year contract signed or grant awarded, except for multi-year funding sources)

Folder 1 - list of grants 2003-2017

Folder 2 - Trexler Trust, 1997-2004

Folder 2A - Trexler Trust, 2005-2014

Folder 2B – Trexler Trust, 2015-2018

Folder 3 – Rider Pool Foundation, 1995- - grants to support educational programs, capital campaign, Color of Nature and Allentown gardens

Folder 4 - Cora Brooks Foundation, 2000-2008 - 7 grants for Bake Oven Hawk Count, Restoration Project, habitat gardens, infrastructure improvements, habitat re-vegetation and erosion control

Folder 4A - Cora Brooks Foundation, 2009-2015 - 3 grants for sampling docks and access trails, arboretum development, endowment

Folder 5 – Lehigh County Quality of Life Grants, 2005-

Folder 6 – Carbon County Hotel Tax Grants, 2008-2017 – paperwork for grants received in 2008, 2009, 2011, 2014, 2016, and 2017 to print LGNC brochures and maps, copy of brochure, National Pollinator Week

Folder 7 – Air Products Foundation, 1986-2018

Folder 8 – Century Fund, 2002, 2017-2019 – for Color of Nature and Allentown School District programs

Folder 9 – Julius & Katheryn Hommer Foundation, 2008-

Folder 10 – Martin Guitar Charitable Foundation, 2015-

Folder 11 – D & L Trail Alliance, 2013- - Sponsorship and Small Project grants

Folder 12 – Mickley Fravel Charitable Trust, 2008-

Folder 13 – Fowler Family Foundation, 2008- - Education center, Color of Nature

Folder 14 – Horsehead Community Development Fund, 1994-

Folder 15 – PPL, 2002-

Folder 16 – Cedar Tree Foundation, 2014-2018, 4 grants - Conservation Landscape project

Folder 17 – Lehigh Valley Community Foundation, 2014-2018 - \$100,000 5 year grant to support Conservation Landscape Program ; 2017 grants f \$100 (LVCF 50th anniversary), \$5000 Collaborative Watershed Program), \$250 (general support); 2019 - \$100 grant

Folder 18 – First Niagara, 2010-2016 – funding for speaker series

Folder 19 – Harleysville National Bank (East Penn Bank), 2004-2009 – funding for signage, education programs

Folder 20 – Keystone Savings Foundation (formerly Keystone Nazareth Charitable Foundation), 2005-2018

7.1 - 1986-2001

Folder 1 - 1997 PA Game Commission, \$10,500, Lehigh County endangered species list - funded

7.2 - 2002

Folder 1 - DCNR Keystone/Growing Greener; Holt Family Foundation, \$1,000

Folder 2 - DCNC Community Conservation Partnerships (Washington Township application for \$133,300 towards purchase of Hodson property)

Folder 3 - PA DCNR Community Conservation Partnerships Program, \$265,000, for purchasing Van Norman, Snelling and Hodson properties, amended and extended (continued in next folder)

Folder 4 - PA DCNR Community Conservation Partnerships Program, \$265,000, for purchasing Van Norman, Snelling and Hodson properties, amended and extended (continued from previous folder)

7.3 - 2003

Folder 1 - PA DEP Environmental Stewardship and Watershed Protection (Growing Greener), Lehigh Gap Restoration - not funded

7.4 - 2004

Folder 1 - PA Dept. of Labor and Industry PennSERVE, \$20,000, AmeriCorps Planning Grant (continued in next folder)

Folder 2 - PA Dept. of Labor and Industry PennSERVE, \$20,000, AmeriCorps Planning Grant (continued from previous folder)

Folder 3 - PA Dept. of Community and Economic Development, 3 applications through Rep. McCall and Harhart and Sen. Rhoades - not funded
- PA DEP Environmental Stewardship and Watershed Protection (Growing Greener), Lehigh Gap Erosion Stabilization and Restoration - not funded
- PA DCNR Wild Resource Conservation Program, \$5,245, monitoring reproductive success of cavity nesting birds on metals contaminated restoration site - not funded

Folder 4 - PA Dept. of Conservation and Natural Resources Community Conservation Partnerships Program, \$15,000, for master site plan

7.5 - 2005

Folder 1 - PA Dept. of Labor and Industry PennSERVE, \$126,000, AmeriCorps Formula Grant - not funded

Folder 2 - PA DCNR Wild Resource Conservation Fund, \$31,000, ecological inventory and assessment of Lehigh Gap Wildlife Refuge

7.6 - 2006

Folder 1 - US Environmental Protection Agency Brownfields Assessment, \$200,00 (lead by Palmerton borough)

Folder 2 - PA Dept. of Environmental Protection Environmental Education Grant (with Palmerton Area School District)

Folder 3 - PA Dept. of Labor and Industry PennSERVE, \$31,616, AmeriCorps Planning/Capacity Building Grant; not funded

Folder 4 - PA Dept. of Conservation and Natural Resources Delaware and Lehigh National Heritage Corridor and State Heritage Park, \$40,000, master site plan implementation

Folder 5 - PA Dept. of Conservation and Natural Resources Bureau of Recreation and Conservation Environmental Stewardship Fund, \$60,000, Audubon birding trail guide, selected eastern PA counties (Delaware & Lehigh National Heritage Corridor was the grantee, BRC-SR-12-5)

Folder 6 - Audubon birding trail guide (cont.) - invoices

Folder 7 - Audubon birding trail guide (cont.) - site information sheets

Folder 8 - Audubon birding trail guide (cont.) - book distribution sheets

Folder 9 - Audubon birding trail guide (cont.) - books and rack card

Folder 10 - Audubon birding trail guide (cont.) - computer discs

Folder 11 - PA Dept. of Conservation and Natural Resources, to develop statewide web site to promote wildlife viewing opportunities (Audubon PA grant; WIC partner; grant DCNR BRC 12-6)

7.7 - 2007

- Folder 1 - PA Dept. of Community and Economic Development, \$17,000, site development of public access park; correspondence with Rep. McCall, contract, reports, bill for excavation by Livengood
- Folder 2 - PA Dept. of Community and Economic Development, \$10,000, infrastructure (roads and parking); correspondence with Sen. Rhoades (grant C000025048)
- Folder 3 - PA Dept. of Conservation and Natural Resources Community Conservation Partnership Program, \$13,500, purchase of Humanick property; [property was not acquired and grant disencumbered]
- Folder 4 - PA Dept. of Conservation and Natural Resources Delaware and Lehigh National Heritage Corridor and State Heritage Park, \$50,000, master site plan implementation, visitor center - request withdrawn
- Folder 5 - PA Dept. of Conservation and Natural Resources Wild Resource Conservation Fund, \$45,000, Lehigh Gap Wildlife Refuge Ecological Assessment, Part II (grant WRCP-07268)
- Folder 6 - Holt Family Foundation, \$10,000, Achieve the Vision Campaign
 - McLean Contributorship, \$25,000, infrastructure, facilities, programs, endowment
 - Lehigh County Office of Community & Economic Development Tourism Grant, \$10,000, master site plan phase III

7.8 - 2008

- Folder 1 - PA Dept. of Community and Economic Development, \$8,000, access road and parking; bill for excavation by Livengood (grant C000031737)
- Folder 2 - PA Dept. of Community and Economic Development, \$10,000, septic system (grant C000032611)
- Folder 3 - PA Dept. of Environmental Protection Environmental Education, \$7,500, teacher training
- Folder 4 - PA Dept. of Community and Economic Development, \$100,000, exhibits, signage, research, education (grant C000032152)
- Folder 5 - US Dept. of Education, \$335,043, for education program development
- Folder 6 - Washington Township, \$30,000, access road/loop. trails, and parking (\$10,000 year for 3 years, 2008-2010) and in-kind services

7.9 - 2009

- Folder 1 - PA Dept of Environmental Protection Environmental Education, \$3,000, school environmental education programs, and \$14,000, teacher workshops; pre-applications; not funded
 - PA Dept. of Conservation and Natural Resources Wild Resource Conservation Fund, climate change effects on the Kittatinny Ridge at Lehigh Gap Nature Center (WRCP-09356, not funded)
- Folder 2 - PA Dept of Conservation and Natural Resources Bureau of Recreation and Conservation Community Conservation Partnership Program, \$200,000, construction of visitor center (grant BRC-PRD-14-187)

7.10 - 2010

- Folder 1 - PA Dept. of Environmental Protection Environmental Education, \$2,901, native plant workshops

Folder 2 - PA Dept. of Environmental Protection Environmental Education, \$5,291, teacher workshops; not selected for grant

7.11 - 2011

Folder 1 - Lehigh Valley Greenways Implementation, \$5,000, Kittatinny Ridge conservation training
Folder 2 - PA Dept. of Community and Economic Development, \$30,000, laboratory classroom
Folder 3 - PA Dept. of Environmental Protection Environmental Education, \$5,5000, phrenology monitoring in the classroom
Folder 4 - DEP EE for student field trips - grant applications not funded

7.12 - 2012

Folder 1 - PA Dept. of Environmental Protection Environmental Education, \$2,850, environmental club for high school students
Folder 2 - PA Dept. of Environmental Protection Environmental Education, teacher training (not awarded)
Folder 3 - National Audubon Society, \$16,900, TogetherGreen Innovation Grant for rare plants
- Lehigh Valley Coalition for Kids, \$9000, Color of Nature

7.13 - 2013

7.14 - 2014

Folder 1 - Pocono Forests and Waters Conservation Landscape, \$8,000, trailhead and arboretum
Folder 2 – Audubon, \$13,110, for Kittatinny Ridge Monitoring Project
Folder 3 – Lehigh Valley Greenways, \$5000 for Color of Nature Conservation Program and \$15,000 for Conservation Landscaping in the Lehigh Valley project

7.15 – 2015

Folder 1 – Thrivent Financial Action Team, \$250, to purchase native plants for Migration Festival on Sep. 19, 2015

7.16 – 2016

Folder 1 – Lehigh Valley Greenways, for Roberto Clemente Charter School restoration in Fountain Park along Jordan Creek
- National Penn Bank, letter, Nov. 3, 2015, requesting for \$10,000 EITC donation for school programs for 2015/2016 school year
- Audubon Pennsylvania, \$27,000, to complete Fire Impact Study and Climate and Energy Strategy on Kittatinny Ridge

7.17 – 2017

Folder 1 – STAR Foundation, \$5000 each in 2017 and 2018, to fund school trips
Folder 2 – Lehigh Valley Greenways, Coloring the Conservation Conversation expenses for Drew Lanham
Folder 3 – Lehigh Valley Greenways, \$4000, Watershed Education

- Folder 4 – BB&T, \$800, Speaker Series sponsorship
- Folder 5 – PA Dept. of Environmental Protection, Middle School Teacher Watershed Training
- Folder 6 – PA Partners in the Arts, Lehigh Valley Arts Council, \$1409 – produce video about LGNC
- Folder 7 – Green Mountain Energy Sun Club, \$87,048 – to install solar array to achieve net-zero for all operations
- Folder 8 - Key Bank, funding request, Nov. 13, 2016, requesting \$5,000 EITC donation for school programs and application, Sep. 2017

7.18 – 2018

- Folder 1 – Iron Pigs Charities, \$1000, for Conservation Leadership Academy Lehigh River Exploration Day
- Folder 2 – Lehigh Valley Greenways, \$5000, Conservation Landscape Mini Grant for Color of Nature Conservation Leadership Training
- Folder 3 – National Wildlife federation, \$8,650, for Alliance for Watershed Education work

7.19 – 2019

- Folder 1 – Waste Management, application for funding for Color of Nature leadership program, \$5,000

Series 8 - Membership and Volunteers

8.1 Membership Forms and Lists

- Folder 1 - membership brochures

8.2 Volunteer Forms, Lists, and Information

- Folder 1 - 2005 Eagle Scout program for Douglas Beam; 2010 focus group list; Bertha Griffith obituary

Series 9 - Membership Publications (Newsletters, etc.)

9.1 Wildlife Activist (Membership Newsletter)

- Folder 1 - no. 1-20 (June 1987-April 1994)
- Folder 2 - no. 21-35 (Aug 1994-April 1999)
- Folder 3 - no. 36-45 (Aug 1994-summer/fall 2002)
- Folder 4 - no. 45-55 (spring 2003-spring 2006)
- Folder 5 - no. 56-65 (summer 2006-winter 2009/2010)
- Folder 6 - no. 66-73 (summer 2010-summer 2013)
- Folder 7 - no. 74-80 (winter 2013/2014-winter 2016/2017)
- Folder 8 – no. 81-85 (autumn 2017-winter 2019/20)
- Folder 9 – no. 86-89 (summer 2020-2022)
- Folder 10 – no. 90-95 (2023-2025)
- Folder 11 – no. 96- (2026-)

9.2 Lehigh Gap Update (Friends Newsletter); called LGNC Update starting with no. 30

- Folder 1 - no. 1-29 (summer 2004-winter 2019/2020)
- Folder 2 – no. 30-39 (summer 2020-autumn/winter 2025)

Series 10 - Employee Records

10.1 Executive Director Activities

- Folder 1 - Daily logs of activities, meetings, events, to do lists in loose leaf notebooks, June 14, 2004-Sep. 22, 2005 (2 notebooks)
- Folder 2 - Daily logs of activities, meetings, events, to do lists in loose leaf notebooks, Sep. 26, 2005-Sep. 18, 2007 (2 notebooks)
- Folder 3 - Daily logs of activities, meetings, events, to do lists in loose leaf notebooks, Sep. 25, 2007-Oct. 13, 2010 (2 notebooks)
- Folder 4 - Daily logs of activities, meetings, events, to do lists in loose leaf notebooks, Oct. 18, 2010-June 4, 2013
- Folder 5 – payroll, 2nd quarter 2015

10.2 Other Employees

- Folder 1 – Unemployment compensation claim for Kathleen Kapila, 2014

10.3 Employee Training, Workshops, Seminars, etc.

- Folder 1 - Audubon Pennsylvania Nature Tourism Training Workshop workbook, April 2005; Together Green Conservation Leadership Program flyer
- Folder 2 - Successful Environmental Education Grant Writing Strategies workshop, Nov. 2009

10.4 Employee Awards, Honors, Recognitions

- Folder 1 -Lehigh County Commissioners resolution honoring Dan Kunkle, 2005 no. 26 (in presentation folder)
 - Pennsylvania House of Representatives citation to Kunkle for Carbon County Chamber of Commerce Citizen of the Year Award, 2010
- Folder 2 - Senate of Pennsylvania congratulations to Kunkle for Friend of Lehigh River award, 2017
 - Morning Call newspaper clipping, July 20, 2017, about Friend of Lehigh River award

Series 11 - Correspondence

- Folder 1 - letter, Donald Heintzelman to Dan Kunkle, Sep 5, 1990 with comments on BOK hawk watch and birders postcard, J. Belwood, Austen, TX, to WIC, Jan 1991 requesting information about WIC letter, Donald Heintzelman to Eugene Zielinski, Bellefonte, PA, Aug 9, 1991, WIC joins PA Society for Ornithology and inquiry about back issues of Society newsletter postcard, Lisa Winn-Kipp, San Luis Obispo, CA, to WIC, Mar 1993, requesting information on wildlife conservation and careers in wildlife letter, F. Eugene Hester, National Biological Survey, to Donald Heintzelman, Mar 22, 1994, on using volunteer collected data and data collection efforts letter, director of US Fish and Wildlife Service, to Donald Heintzelman, Jul 1, 1994, about designating Kittatinny National Raptor Flyway email, Kunkle to Debbie, research on pigeon navigation letters, from Heintzelman to Kunkle, various WIC matters, 5 letters, Jan 13- June 7, 1998 letter, Donald Heintzelman to Dan Kunkle, Dec 20, 1998, criticizing content of American Hawkwatcher and Kunkle's editing of journal; Dec 21 email response from Kunkle; Dec. 21 Heintzelman letter with further criticism

letter, Kunkle to Lehigh County Commissioners, about Flying M Aerodrome, 1999; also newspaper clippings about controversy

Folder 2 – letter, Barbara Davis, Air Products Parents Association, Feb. 6, 2002, requesting information about WIC summer camps for company's summer camp brochure

letter, Michael DiBerardinis, DCNR, thanking people and organizations for input during 3 month tour of state, Sept., 26, 2003

letter, Nancy Selisky to LGNC, offering to donate old photographs of Gap area

email from DiBerardinis inviting WIC to participate in conservation dialogue meeting, 2006

letter, Ruthann Schlecht to WIC, Oct. 28, 2010, about Devil's Pulpit with 3 photos

letter, Ed at Absolute Enterprize to WIC, Sep. 26, 2011, offering to donate chimney cleaning services as raffle prizes

letter, Jerry Regan, Hawk Mountain Sanctuary to Sherry Acevedo, D&L Heritage Corridor, July 24, 2012, supporting LGNC application for LV Greenways mini-grant funding

letter, Peter Kern, Apr. 10, 2014, regrets unable to attend panel discussion on remediation of Superfund site and extends thanks for work of CBS and EPA

Series 12 - Records of Programs, Projects, Events, and Public Service Sponsored by WIC (no research)

12.1 - 1986-1990

Folder 1 - Pennsylvania Raptor Conference 1987 ; with flyer and informations leaflet for the 1987 International Year of the Raptor

Folder 2 - National Birds of Prey Month proclamation, 1986; Pennsylvania Hawk Watching Week proclamation, 1986

Folder 3 – Testimony by Kunkle at DER public hearing on proposed wetlands regulations, 1990 (with background material)

Folder 4 – Low-Altitude Aircraft Flight Data reporting sheet to record wildlife disturbance aircraft;

Folder 5 – Birds of prey public service notice in Globe-Times, 1990

12.2 - 1991-1995

Folder 1 – Kittatinny Raptor Corridor Project – 1993 news release about slide presentation; reading script and 77 slides in 4 sleeves

Folder 2 – Kittatinny Raptor Corridor Project (abridged presentation) – reading script with notes; notes for presentation; 57 slides in 3 sleeves and reading script used in program presented to Slatington Women's Club

Folder 3 – Kittatinny Raptor Corridor Project (expanded presentation with 2 New York slides) – reading script and 80 slides in 4 sleeves

Folder 4 - Ecotourism: A 21st Century Wildlife Opportunity Slide Show - 57 slides in 3 sleeves used in program presented about 1995; includes Kittatinny Raptor Corridor Project; 1 sleeve of extra slides

Folder 5 - Crisis At Bake Oven Knob: A Proposed Incinerator's Environmental Threats - slide presentation with 40 slides and reading script, presented about 1995

Folder 6 – Crisis in Lynn Township: Lynn Township Water Dispute – slide presentation with 42 slides in 3 sleeves

Folder 7 - Kittatinny Raptor Corridor Educational Handbook letter to librarians and non-profits, 1994

12.3 - 1996-2000

Folder 1 - PA Hawk Watching Week proclamation, 2000; Letter of opposition to construction of PA Turnpike slip ramp in Washington Township, Lehigh County, correspondence, newspaper clippings

12.4 - 2001-2005

Folder 1 - 2002 Young Ecologists Summer Camp brochure

Folder 2 - PA Hawk Watching Week proclamation, 2001; PA Bird Day proclamation, 2002; Wildlife Refuge Tour, 2003; Public testimony, Blue Mountain Ski Area Development [to] Lower Towamensing Township Board of Supervisors, Sep. 2, 2003, by Dan Kunkle

12.5 - 2006-2010

Folder 1 – 2007 Calendar of events tri-fold brochure; 2010 Calendar of events tri-fold brochure

Folder 2 - PA Hawk Watching Week, 2010

Folder 3 – Special Topics in Environmental Science. June-July 2007 – workshop course for teachers, with Moravian College – 3 student books containing material for the courses (PA birds and wildlife, Forest ecology and trees, Natural history of Lehigh Gap)

Folder 4 – Special Topics in Environmental Science, June-July 2007 – workshop course for teachers, with Moravian College – 3 student books containing material for the courses (Plants, Ponds and river ecology, and Geology of the Lehigh Gap)

Folder 5 – Lehigh Gap Wildlife Refuge Research Roundtable, Jan. 4, 2007, at Moravian College, Bethlehem, PA – agenda, participant list, correspondence, Powerpoint

12.6 - 2011-2015

Folder 1 - 2011: Calendar of events tri-fold brochure; Migration Fest tri-fold brochure
2015: Calendar of events tri-fold brochure

2012: Calendar of events tri-fold brochure; Three Ponds Photography workshop by Dave Levandusky program outline and attendance sheet, Mar 22; National Trails Day flyer

2014: Nature in Photographs Show brochure and sign

2015: Nature in Photographs Show brochure

Poster 1 – The Kittatinny Ridge – A Conservation Priority for the Lehigh Gap Nature Center, by Diane W. Husic, Corey Husic, and Dan Kunkle. c2012. Laminated poster, 44 x 48 in. (rolled in tube 3)

12.7 - 2016-

Folder 1 – 2016 Calendar of events tri-fold brochure; 2016 Conservation Leadership Academy tri-fold brochure; 2017/2018 Speaker Series tri-fold leaflet; 2018 Calendar of Events tri-fold leaflet; 2018/2019 Speaker Series tri-fold leaflet; 2018 December 1 Holiday Open House flyer

Series 13 - Publicity and Promotion

13.1 News Releases

Folder 1 - 1986-1993

Folder 2 - 1994-1997

Folder 3 - 1998-2001

Folder 4 - 2002-2005

13.2 Material by WIC for use by other media outlets and public presentations

Folder 1 - 2 letters to the editor by Kunkle, 1998-1999; 2007 Morning Call op-ed article by Kunkle; 2007 fact sheet (for use in fundraising campaign); 2008 article in A.T. Journeys

Folder 2 - 2 display presentations titled "The Lehigh Gap Restoration Project and Kittatinny Park at Lehigh Gap" (33 leaves with photos and text on card stock; and 4 leaves condensed version)

13.3 Articles about WIC written or published by others

Folder 1 – 1998, 2002, 2003, 2005, 2006, 2009, 2020

13.4 Branded Merchandise, stationery, promotional items

Folder 1 - T-shirts with WIC name and www.wildlifeinfo.org web site (tan and light green) [in box on top of cabinet]

Folder 2 – WIC brochure, likely 1996-2001; brochure, June 2003, electronic file on 4 1/2 inch CD; bookmark encouraging reading, with sponsorship by East Penn Bank

Folder 3 - Lehigh Gap Wildlife Refuge logo artwork and electronic copy on 4 1/2 inch disc (no date) ; note card with Lee Slivak painting, 2016

Folder 4 - Stationery samples

Series 14 Publications

14.1 American Hawkwatcher

Folder 1 - no. 1-25, 1987-1999

Folder 2 - no. 26-35, 2000-2010

Folder 3 - no. 36-50, 2011-2025

Folder 4 – no. 51, 2026

14.2 Educational Hawkwatcher

Folder 1 - no. 1-3 (July 1987-Aug 1989)

14.3 Wildlife Publications, 1986-1990

Folder 1 – Wildlife Conservation Reports, no. 1-10 (1986-1990); April 1992 special wildlife report about proposed soil burning incinerator near Bake Oven Knob; June 1994 special wildlife report about the Pinnacle; June 1995 special report A Model ecotourism and first annual October Hawkfest plan for the Bake Oven Knob area

Folder 2 – Wildlife Issues & News, no. 1-6 (1986-1990)

Folder 3 – Wildlife Facts Sheets (likely issued c1986-1990) – Black bear encounters; Bald eagle ages as indicator of environmental quality; Wildlife and traveling animal shows

Folder 4 – Wildlife Action Alerts – Support House Bill 1995 about highway reflectors to reduce deer-vehicle collisions, 1989

Folder 5 – Wildlife Book Reviews – no. 1-3, 5-10 (1986-1990)

14.4 Educational Publications

- Folder 1 – list of educational resources produced by WIC, 1991
undated brochures: Aquatic Habitats; Butterflies; Terrestrial Habitats; Lehigh Gap Nature Center; Eastern Pennsylvania Phenology Project; Assessment of Metals in the Environment Near Palmerton, PA
2009 brochure: Grassland Enhancement Project
- Folder 2 - trail brochures: Prairie Warbler Trail; LGNC Trail Map; Northern Lehigh Trail System; Lehigh Gap Discovery Tour: self-guided hiking tour (2024, 24 p. booklet, 8 1/2 x 5 1/2 in., color)
- Folder 3 - Kittatinny Raptor Corridor Project brochures (About the Kittatinny Raptor Corridor Project and Bake Oven Knob: A Special Wildlands Place (4 p. leaflets, 1993-1996); Kittatinny Raptor Corridor Education Handbook (25 leaflets covering habitat, wildlife, ecotourism, field trips, 1993-1994)

14.5 Research Publications

- Folder 1 – Annotated Bibliography of the Palmerton Zinc Superfund Site and the Lehigh Gap in Pennsylvania, by Meredith Wright, 2009 (212 p., computer printed)
- Folder 2 – Annotated Bibliography for the Kittatinny Ridge in Pennsylvania, by Laura McBride, 2014 (317 p., computer printed)
- Folder 3 – Annotated Bibliography for the Kittatinny Ridge in Pennsylvania, by Chad Schwartz, 2015 (203 p., computer printed)

Series 15 - Research conducted by WIC, under WIC auspices, or on WIC property [for Bake Oven Knob Hawk Watch, see Collection 8]

15.1 Wood Thrush and Ovenbird Surveys, 1991-1992

- Folder 1 - Carbon County, various locations, May-July 1991 and May-June 1992

15.2 Roadside Raptor Survey, 1992-1993

- Folder 1 - Lehigh Gap, Feb. 25, 1992-May 28, 1993
- Folder 2 - Lehigh Gap vicinity, May 5-Sep. 2, 1992
- Folder 3 - East Penn Township, Mar. 1-Oct. 31, 1992
- Folder 4 - Mountain Road, Heidelberg Township, Apr. 11-Nov. 30, 1992

15.3 Winter Bird Survey in Bake Oven Knob Area, 1997-

- Folder 1 - Survey results, 1997-1998, 2000-2009, press releases and press coverage, survey pages

15.4 Lehigh Gap Area Feeder Watch [title varies: Bake Oven Knob Area Winter Bird Feeder Watch, 1997; Winter Bird dropped from title after first year; in 2006 name changed to Lehigh Gap Area Feeder Watch]

- Folder 1 - 1997 summary sheet, individual reports
- Folder 2 - 1998 summary report, publicity, individual reports
- Folder 3 - 1999 summary report, publicity, letter to participants, individual reports
- Folder 4 - 2000 summary report, publicity, individual reports
- Folder 5 - 2001 summary report, publicity, letter to participants, individual reports
- Folder 6 - 2002 individual species numbers, letters to participants, individual reports
- Folder 7 - 2003 summary report, letter to participants, individual reports
- Folder 8 - 2004 individual species report with 8 year summary, participant letters, individual reports

- Folder 9 - 2005 species and individual report summaries, 9 year summary, individual reports
- Folder 10 - 2006 individual species with 10 year summary, letter to participants, individual reports
- Folder 11 - 2007 summary report, participant letter, publicity, individual reports
- Folder 12 - 2008 summary report, news release, individual reports
- Folder 13 - 2009 summary report, individual reports
- Folder 14 - 2010 summary report
- Folder 15 - 2011 individual reports
- Folder 16 - 2012 summary report, letter to participants, individual reports
- Folder 17 - 2013 summary report, individual reports
- Folder 18 - 2014 summary report, individual reports
- Folder 19 - 2015 summary report, individual reports
- Folder 20 - 2016 summary report, individual reports
- Folder 21 - 2017 21 year summary sheet, individual reports

15.5 Lehigh County Biodiversity Project, 1998-1999 (bird survey)

- Folder 1 - letters to park managers, grant application to Lehigh County, parks chosen for survey, instruction and data sheets, returned data sheets

15.6 Bluebird Project, 1999-2002, 2008-2009

- Folder 1 - 1999-2002 forms, publicity, correspondence, Beltzville data; 2008-2009 Beltzville reports

15.7 Red-tailed Hawk Color-marked Study, 2000-2004

- Folder 1 - Study Proposal, Publicity, Correspondence
- Folder 2 - Background Research
- Folder 3 - Color marking data and photos of marked birds
- Folder 4 - Field Observations 2000
- Folder 5 - Field Observations 2001
- Folder 6 - Field Observations 2002
- Folder 7 - Field Observations 2003-2004
- Folder 8 - Field Observation Emails 2000-2004
- Folder 9 - Data Results, Research Papers

15.8 Blue Mountain Raptor Counts, 2002

- Folder 1 - Sightings reports at Lehigh Gap, Mar. 6-May 2, 2002 (except 3 hours at Lehigh Furnace Gap on Apr. 7)

15.9 Rare and Forgotten Flora Project, 2013

- Folder 1 - press release, lecture notes, lists of plants, records of applicants to participate, participant reports, expense report and evaluation notes

15.10 Research Posters, 2003- rolled in Tube 3

- Poster1 – Changes in the Optical Properties of Dissolved Organic Carbon During Canopy Interaction and Shallow Soil Infiltration, Palmerton, PA, by MaryBeth Lyons [et al.] Lehigh University Earth and Environmental Sciences Dept., [n.d.].
Laminated poster 60 1/2/ x 42 in.

- Poster 2 – Assessment of Zinc, Arsenic, Cadmium, and Lead in the Environment Surrounding Palmerton, PA, by Johanna Blake [et al.] Lehigh University, 2010. Laminated poster, 61 x 40 in.
- Poster 3 – Using Ecological Monitoring and Citizen Science to Better Understand Climate Change Impacts in Pennsylvania, by Anna Meola and Diana Feldman. Moravian University, Biology and Environmental Science Programs, 2012. Laminated poster, 48 x 36 in.
- Poster 4 - The Mobility of Heavy Metals after Rain Events at Lehigh Gap Nature Center, by Morgan Gallagher [et al.] Lehigh University, 2013. Laminated poster 60 x42 in.
- Poster 5 – Relationships between Vegetation and Metal Content at Perennial Springs at LGNC, by Rachel Henke. Lehigh University, Dept. of Earth and Environmental Sciences, 2013. Laminated poster, 42 x32 in.
- Poster 6 – Cooperative Research at Lehigh Gap Nature Center. Impact of Heavy Metal Concentrations on Plants at a Superfund Site, by Maria Bianca. Comparison of Soil Carbon and Plant Biomass for Three Sites at LGNC, by Trista Barthol. Moravian College, Lehigh University, Cedar Crest College, [n.d.] Laminated poster 43 x 29 in.

Series 16 - Awards to WIC

- Folder 1 - 2006 Congressman Charles M. Dent Certificate of Special Recognition to Wildlife Information Center and Delaware and Lehigh National Heritage Corridor (certificate)
- Folder 2 - 2006 Pennsylvania Senate Congratulations to Wildlife Information Center (sponsored by Robert Wonderling and James Rhodes in recognition of WIC's 2005 US Department of the Interior Cooperative Conservation Award)
- Folder 3 - 2006 Pennsylvania House of Representatives Citation to Wildlife Information Center (citation sponsored by Julie Harhart and Keith McCall in recognition of WIC's 2005 US Department of the Interior Cooperative Conservation Award)
- Folder 4 - 2007 Pennsylvania Society for Ornithology Conservation Award to Dan Kunkle and the Board of the Lehigh Gap Nature Center (letter and certificate)
- 2007 Northeast Pennsylvania Environmental Partners Environmental Partnership Award to Dan Kunkle and the Lehigh Gap Nature Center (letter from Pennsylvania Environmental Council and certificate of recognition from State Senator Elizabeth Baker)
- 2009 Delaware and Lehigh National Heritage Corridor Stewardship Award to Lehigh Gap Nature Center (certificate from State Representative Julie Harhart)

Series 17 - Real Estate Records and Easements

17.1 Beltz Property (east side of Bake Oven Road, Heidelberg Township, 2001, 3 acres)

- Folder 1 - title search, settlement statement, deed, title insurance, donation valuation letter to seller, tax assessment appeal

17.2 Hodson Property (Washington and East Penn Townships, 2002, 13 acres)

- Folder 1 - Appraisal, title search, zoning, water testing, appraisal, settlement, mortgage from Nature Conservancy, Growing Greener deed restriction, tax assessment appeal, Nature Conservancy mortgage, Viacom mortgage, parcel description for

3.61 acre tract with house and barn, zoning appeal and decision; flood plain map

17.3 Strohl Deed Restriction Release (Washington Township, 2002)

Folder 1 - Deed Restriction Release on Hudson Property and correspondence with Strohrs related to property issues, 2005-2007

17.4 Snelling Property (East Penn, 2003, 441 acres)

Folder 1 - deed history, assessment information, handwritten notes by Kunkle, agreement of sale, correspondence with Heintzelman, WIC resolution to authorize purchase, appraisals, deed, settlement statement, Snelling 1993 mortgage settlement, title insurance, tax assessment appeal; Viacom loan

17.5 Van Norman Property (East Penn, 2003, 282 acres?)

Folder 1 - installment agreement, tax information, title search with old deeds and maps, appraisals, WIC resolution to authorize purchase, settlement statement, deed, tax assessment appeal; Norcross loan; letter to East Penn police authorizing enforcement of all laws

17.6 Hodson, Snelling and Van Norman boundary determinations from other deeds and surveys

Folder 1 - outline reference map of properties; Carbon Engineering map of co-ordinates, bearings, and distances from deeds, 4 versions July 21, 2003, July 31, 2003 (small and large copies), Mar. 1, 2004, and May 25, 2004; railroad right of way maps, Lehigh-Carbon line to Rt. 895, from PennDOT; PA Turnpike letter and State Game Land 217 map, 1999

17.7 Properties Not Purchased and Land Records

Folder 1 – Washington Township properties – Stednitz and Mazepa, 1994-1996

Bake Oven Knob area – 2000 inquiries into availability, property owners, maps

Folder 2 - Humanik Property (East Penn Township, 2007, 1 acre) - appraisal package, Carbon County Commissioners resolution

Folder 3 - CBS Donation inquiry (Lower Towamensing, 2009, 1000 acres) - letter, Kunkle to O'Gurek, about possible CBS donation

Folder 4 – Carbon County properties – Hauser, 1998, 2 properties off of Sunset Road, west of PA Turnpike – Carbon County property information and maps
- Semmel, 1998, 2 properties off of W. Lizard Creek Road – Carbon County property information and maps

Folder 5 – Lehigh County Property Assessments for Kittatiny Mountain Study, 2002 – data sheets and maps

Folder 6 – Carbon County and Northampton County Property Assessments for Kittatiny Mountain Study, 2002 – data sheets and maps

17.8 Gause Property (East Penn, 2014, 1.6 acres)

Folder 1 - appraisals, title insurance, deed, settlement statement, mortgage, appraisal, revised unsigned deed, appraisal report, WIC resolution to purchase, letter to Gause, mortgage satisfaction, deed, title insurance, legal bill, tax assessment appeal

17.9 Huffman Property (lots in East Penn Township, 2013 tax sale)

Folder 1 - information from Carbon County Tax Claim Bureau, map

17.10 Mineo Property (Bushkill Township, 2015-2016, 21 acres)

Folder 1 - appraisal, settlement, Clean and Green application; sale of parcel to Bushkill Township

17.11 Burkit Property (Lower Towamensing Township, 2016, 103 acres)

Folder 1 - Tax Bureau Deed, Carbon County to Burkit, 2011; deed, settlement, charitable contribution statement; tax assessment appeal

17.12 PPL Easements

Folder 1 – photocopy of Hailer Strohl easement, 1948; 2007 site development plan maps and encroachment agreement, 2013 easement agreement, 3 maps

Tube 2 – Aerial photo of Lehigh Gap area with PPL right of way drawn onto photo, scale 1 inch = 200 ft. Done before 2021, 36 x 23 in. Diagram of right of way and tower, scale 1 inch = 50 ft. no date, 35 x 18 in. rolled in tube 2

17.13 Washington Township Easement, 2007

Folder 1 - Conservation, restoration and maintenance easement, WIC to Washington Township, for tax map properties ID 23-A06 002-007 and 20-A06 001-007, Feb. 20, 2007

17.14 Lehigh County Easements, 2008

Folder 1 - two easements for sanitary sewer and access, Lehigh County ordinance 2007-39, map, letter with deed description of proposed easement

Series 18 Land Remediation and Restoration

18.1 EPA Studies of Superfund Site and Previous Remediation Efforts

Folder 1 - 1995 press release about Horsehead environmental violations settlement
1995 evaluation of restoration success at Blue Mountain, 39 p.

1999 report on 1997 tree plantings at Palmerton, power point printout, 5 p.
EPA press release about Palmerton Superfund site, c2000?

Folder 2 - Natural Resource Damage Assessment and Restoration Program booklet
Correspondence, newspaper clippings about Superfund site, 2002-2005
Preassessment Screen Determination for the Palmerton Zinc Pile Superfund Site,
Dec. 2003, 27 p.

Palmerton Zinc Pile Superfund Site Natural Resource Damage Assessment Plan,
July 2005, 41 p.

US Dept. of Justice press release about natural resource damage settlement,
2009

18.2 Re-vegetation and Restoration (Lehigh Gap Restoration Project)

Folder 1 - Endorsements, Correspondence, Planning, etc.

Endorsement letters from Audubon Pennsylvania, Carbon County
Commissioners, Delaware and Lehigh National Heritage Corridor, East
Penn Township, State Rep. Julia Harhart, Hawk Mountain, Lehigh

County Dept. of Planning, State Rep. Keith McCall, State Sen. James Rhoads, Washington Township, Wildlands Conservancy

Names, affiliations, business cards of individuals involved in restoration

National Park Service/D & L Trail Meeting presentation outline, Feb. 2002

Lehigh Gap Restoration Project: The Wildlife Information Center's Vision for Restoration of the Kittatinny Ridge at Lehigh Gap, Sep. 2002 (4 p., two versions, summary, and map of land to be re-vegetated)

Conference call notes, Kunkle, Mineo, Root, and Ludwig, Sep. 4, 2002 (4 p., handwritten)

Email, Clauser and Kunkle, re: contacts for restoration project, Sep. 2002

Technical Conference on Vegetation of the Remainder of OU1, Blue Mountain, Palmerton Zinc Pile Site, Nov. 5-6, 2002 draft agenda

Palmerton Zinc Pile Site Operable Unit No. 1 Future Activities, draft, Dec. 13, 2002 (9 p. with EPA letter)

Consent for Access to Property, WIC to Viacom, Apr. 2003 (not signed)

Letter, Kunkle to Viacom, re: WIC guidelines for re-vegetation, May 6, 2003

Folder 2 - 2002-2003 studies

Field Testing Report, Operable Unit 1 - Blue Mountain Palmerton Zinc Pile Superfund Site, prepared for Viacom and TCI Pacific Communications, by Adrian Brown Consultants, Jan. 10, 2002

Erosion and Sediment Pollution Control Narrative for Lehigh Gap Restoration Project - Phase I, East Penn Township, Carbon County, Pennsylvania, by Carbon Engineering Inc., Oct. 29, 2002, 27 p.

Erosion and Sediment Pollution Control Narrative for Lehigh Gap Restoration Project - Phase I (A), East Penn Township, Carbon County, Pennsylvania, by Carbon Engineering Inc., July 7, 2003, rev. July 31, 2003, 32 p.

Ideas for On Mountain Pilot Test Plots for the 2003 Growing Season at Palmerton, Pennsylvania, by Jim Frank of Frank & West, Nov. 6, 2002, 4 p. and map

Palmerton Zinc Site Preliminary Risk Assessment Results, by David Ludwig, Nov. 6, 2002, power point printout, 9 p.

Folder 3 - 2003 studies

Blue Mountain Test Plot Plan for the 2003 Growing Season, prepared for Viacom International and TCI Pacific Communications, by Frank & West Environmental Engineers, March 11, 2003, 16 p. plus maps and Erosion and Sediment Pollution Control Narrative, rev. Dec. 13, 2002)

Materials Handling Plan for the 2003 Growing Season, prepared for Viacom International and TCI Pacific Communications, by Frank & West Environmental Engineers, April 3, 2003, 3 p. plus attachments

Folder 4 - 2003 studies

Health and Safety Plan 2003 Test Plots Operable Unit One (Blue Mountain) Palmerton Zinc Pile Superfund Site, Carbon County, Pennsylvania, prepared for Viacom International, March 18, 2003, 21 p. plus table, figures, appendices

Quality Assurance Project Plan 2003 Test Plots Program Operable Unit One (Blue Mountain) Palmerton Zinc Pile Superfund Site, Carbon County Pennsylvania, prepared for Viacom International, by Cummings/Ritter Consultants, March 18, 2003, various paging

- Health and Safety Plan 2003 Test Plots Operable Unit One (Blue Mountain)
Palmerton Zinc Pile Superfund Site, Carbon County, Pennsylvania,
prepared for Viacom International, April 16, 2003, 24 p. plus table,
figures, appendices (approved by EPA)
- Quality Assurance Project Plan 2003 Test Plots Program Operable Unit One (Blue
Mountain) Palmerton Zinc Pile Superfund Site, Carbon County
Pennsylvania, prepared for Viacom International, by Cummings/Ritter
Consultants, April 16, 2003, various paging (approved by EPA)
- Folder 5 - Erosion and Sediment Pollution Control Plan, 2002-2003
Carbon County Conservation District reports and inspections
Carbon Engineering maps (3 maps, Oct. 29, 2002) and correspondence
Bids for control work, materials specifications, bills from Livengood Excavators
- Folder 6 - Test Plots
2003 vegetative test plots with analyses maps of 56 test plots and list of
material spread in each plot (each about 1 acre)
2004 report by Frank & West of total cover, root analysis, and description of
2003 test plots
Memorandum, BBL to EPA, re: re-sampling test plots sampled in Oct. 2003, Aug.
24, 2004
2005 ecological risk assessment in remediation area by Blasland, Bouck & Lee
(BBL) (Ecoloam and warm season grass areas, hypothetical risks
calculated and re-calculated accounting for metals recycling via plant
uptake)
- Folder 7 - Aerial and Ground Re-vegetation, 2005-2006
Preliminary Remedial Action Design, Geographical Area I, by Frank & West, Mar.
2, 2006, 13 p. with maps
2006 Frank & West report on re-vegetation efforts, 2005-2006, with 65 photos
(on CD) and map of work areas
2006 Vegetation Assessment, by BBL, Dec. 2006 (with maps, photos, and CD)
- Folder 8 - 2005 Summer Interns Funded by Viacom for Restoration Work -
correspondence, budget, invoices, pay stubs, supplies
- Folder 9 - Acorn and Oak Seedling Planting, 2003 and 2007 - planting instructions, map
of seedling placements, list of participants
- Folder 10 - Invasive Species Control, 2007-2008
Palmerton Zinc Pile Superfund Site, CBS Operations, Invasive Plant Management
Plan, Operable Unit 1, Geographical Area 2, draft, Dec. 21, 2007
2008 Invasive control east of gap - map, instructions, log sheet
- Folder 11 - Controlled Burn, 2013 - payment for supplies, monitoring, fire companies

Series 19 Land Usage

- Folder 1 - Lehigh Gap Master Site Plan, 2004-2005, prepared by Delaware & Lehigh National
Heritage Corridor, pt. 1 (meetings agendas, background material)
- Folder 2 - Lehigh Gap Master Site Plan, 2004-2005, prepared by Delaware & Lehigh National
Heritage Corridor, pt. 2 (meeting agendas, background material, Powerpoint
presentation)
- Folder 3 - Lehigh Gap Master Site Plan (Kunkle materials)

Folder 4 - Lehigh Gap Master Site Plan Report, 2005, covering access, facilities, trails, habitat, exhibits, and landscaping (21 pages plus maps) and Phase I Design scope and costs; WIC Board resolution to adopt plan, Feb. 14, 2005

Folder 5 - Wildlife Art and Science Center proposal - Grant White collection, 2007

Folder 6 – Early Americans Sites on WIC land, hand drawn colored map, by Errol T. Dech, undated

Tube 1 Osprey House, Lehigh Gap Nature Center: building addition and renovation of grounds. Edge of the Woods Native Plants, Orefoeld, PA, Feb. 2010. 1 map, color, 24 x 36 in. Plans for landscaping and gardens around Osprey House

19.1 Signage

Folder 1 - 5 computer printed, laminated 8 1/2 x 11 inch black and white signs; 2002 Sign Design quotation sheet for signs; Bureau of Land Management Access Strip Decal examples; invoices from D & L and Washington Township for signs

19.2 Trails

Folder 1 - D & L Trail PennDOT maps, 2001; maps by DEL Consulting, 2007; construction cost estimates and correspondence; 2008 bills for concrete for signs; 2007 Allentown Hiking Club trail work sign in sheet; trail map and description

Folder 2 - D & L Trail drawings for construction, East Penn Township, 2010 (23 sheets)

19.3 Roads

Folder 1 - 2007 price sheets, bids, bills for work by Livengood Excavators; 2009 repairs; map of proposed road and parking area south of Rt. 873 bridge

19.4 Habitat gardens

Folder 1 – 2007 invoice for wildflower seeds; 2009 design proposal and sketches from Edge of the Woods Native Plant Nursery; 2010 invoices garden wall and paths from Livengood; for plants and mulch

19.5 Pond at Osprey House

Folder 1 - bill for correcting leak, 2010

Series 20 Structure Records (Design, construction, furnishing, maintenance)

20.1 Original House and Springhouse (acquired 2002)

Folder 1 - Building Analysis Report, by Jeff Frantz, 2006; 2009 porch lighting; renovation plans and 2 building permits, 2010 and 2011; architect and engineering correspondence; undated handwritten notes

Folder 2 - Bills for renovations, 2010-2012

Folder 3 - Septic system, 2006-2008

20.2 Osprey House Visitor Center (completed 2010)

Folder 1 - 2005-2006 design meetings, preliminary sketches, needs list, correspondence; 2005 Visitor Center Proposal, by MKSD Architects (2 spiral bound booklets); 2005 Visitor Center Proposal, by Kimmel Bogrette

Folder 2 - 2005-2006 spring architectural plans with revisions by Michael Jonn

Folder 3 - 2006 fall-2007 architectural plans, by Michael Jonn and Lehigh Engineering (11 sheets); 2007 cost estimates, by ConSolarNation; 2007 Erosion and Sediment Control Plan, by Lehigh Engineering

Folder 4 and tube 1 - 2009 architectural plans (flat and rolled)

Folder 5 - 2010-2011 architectural plans

Folder 6 - Architect services - Michael Jonn and others

Folder 7, pt. 1 - Whiting-Turner Construction Manager proposal

Folder 7, pt. 2 - Alvin Butz (construction manager) contract, correspondence, bills; building permit June 2009

Folder 7, pt. 3 - 2008 budget estimates

Folder 8, pt. 1 - Construction bids, compiled by Alvin Butz, Inc.

Folder 8, pt. 2 - Exterior shell specifications

Folder 9 - Excavation - contract with Livengood Excavators, change orders, insurance certificate, invoices for excavation, re-grading, fill

Folder 10 - Utilities - 2009 well by Duane Moyer Well Drilling; 2008 sewer permit; 2008 subcontractor bid analysis; geothermal heat pump

Folder 11 - Concrete and Masonry - contract with F. A. Rohrbach; invoices for exterior stone/masonry work

Folder 12 - Carpentry - 2 contracts with Service Construction Co., change orders, additional work; payroll sheets

Folder 13 - Roofing - contract with Alan Kunsman Roofing & Siding, change order

Folder 14 - Painting - contract with Lucas Designs, bond, change order; invoices for painting supplies

Folder 15 - Plumbing - contract with The Warko Group; plumbing specs; contractor bids; invoices from L & S Electrical Construction Co.

Folder 16 - Electric - contract with Orlando Diefenderfer Electrical Contractors; electrical service & distribution diagram; bid proposals and clarifications; insurance certificate and invoices from Scott Stenack; PPL E-power incentives

Folder 17 - Interior insulation, drywall, floors, and ceilings - insulation by Eastern Spray Foam; drywall by Pritchard Company; ceiling; flooring by several contractors

Folder 18 - Interior furnishings - hardware and keys, security system, chair railing, ladder, window treatments, floor mats, phone service, chairs, projector, fire extinguishers, signs, entrance wall exhibit, etc.

Folder 19 - Library - J. P. Jay proposals for library design, materials catalogs, invoice

Folder 20 - Construction notes (27 p., handwritten), logs, meetings; final inspection report, July 8, 2010; dedication ceremony leaflet, July 16, 2010

20.3 Tannery (acquired 2002)

Folder 1 - estimate for roof replacement, 2011

20.4 Pavilion (built 2005)

Folder 1 - zoning appeal, building permit

20.5 Tool Shed

Series 21 - Audio-Visual materials (Photos, Maps, Slides, Video, Computer, etc)

21.1 Photographs (arranged chronologically)

Box 1

- Undated – Youth (2 sheets) – 3 photos of youth observing at Bake Oven Knob, using a spotting scope, and looking at pond
- 1998 – Summer Camp (3 sheets) -11 photos of camp activities
- 2000 – Youth at Bake Oven Knob (1 sheet) – 5 photos of bird watching
 - Summer Camp (1 sheet) – 4 photos
- 2001 – Hawk Fest (4 sheets) – 17 photos of activities and 7 close-ups shots of bird
- 2002 – January (3 sheets) – 1 index card and 7 photos of Hodson, Van Norman, and 4WD/ATV erosion [Eckerd 487]
 - January #2 (5 sheets) – 1 index card and 25 photos of Hodson and Van Norman properties, including interior of house [Dan's 416, taken 1/26]
 - January/February (2 sheets) – 1 index card and 16 photos of scrub oak, pitch pine, banding stations, view of West Plant [Dan's 161, taken 1/26 & 2/3]
 - February 3, roll 156 (3 sheets) – 1 index card and 19 photos of grasses, native diversity, fire recovery, and views from top of mountain [Dan's 156]
 - February 3, roll 158 (3 sheets) – 1 index card and 21 photos from top of mountain [Dan's 158]
 - February 3, roll 160 (4 sheets) – 1 index card and 23 photos of mountain and plants [Dan's 160]
 - February 3, roll 162 (3 sheets) – 1 index card and 18 photos of Van Norman land, ponds, land use, mountain, towers, views of valley [Dan's 162]
 - February 6, roll 969 (4 sheets) – 1 index card and 22 photos of Lehigh Gap, trains, highway
 - February 6, roll 970 (4 sheets) – 1 index cards and 23 photos of Lehigh Gap, Snelling, Van Norman, and Stoney Ridge land
 - February 6, roll 971 (3 sheets) – 18 photos of Lehigh Gap
 - February 6 & 8, roll 381 (4 sheets) – 1 index card and 25 photos of NJ Zinc Co., Lehigh Gap, Blue Mountain, plants, and Appalachian Trail sign [Dan's 381, but photos are stamped 392]
 - February 8, roll 364 (5 sheets) – 1 index sheet and 25 photos of Lehigh Gap, Appalachian Trail, and Strohl place
 - February 8, roll 382 (4 sheets) – 1 index cards and 25 photos of Palmerton, Lehigh Gap, and Blue Mountain [Dan's 382, but photos stamped 393]
 - February 8 & 9, roll 531 (4 sheets) – 1 index card and 25 photos of Blue Mountain, Lehigh Gap, and Palmerton
 - February 9, roll 532 (1 sheet) - 2 photos of mountain and plants in denuded area

Box 2

- February 9, roll 533 (3 sheets) – 1 index card and 19 photos of fishing in Lehigh River and Lehigh Gap
- March 5 (2 sheets) – 1 index card and 2 photos of moving library into Osprey House and student award winners, 1 picture CD
- July 12 (3 sheets) – 1 index card, 16 photos and 1 picture CD of Lehigh Gap, Van Norman ponds, and Bake Oven Knob
- September 18 (5 sheets) – 1 index card, 25 photos, 1 picture CD of refuge, restoration, NJZ West Plant, Lehigh Gap, bird watcher
- October 24 (5 sheets) – 1 index card and 24 photos of turtle, snake, birds, views of LGNC from Appalachian Trail on east side of river and denuded ridge

- December 18 (4 sheets) - 1 index card and 20 photos of entrance road grading and Appalachian Trail hike
- undated, possibly summer 2002 (2 sheets) – 9 photos of Blue Mountain showing impacted area
- undated, possibly summer 2002 (1 sheet) – 6 photos of Van Norman property
- undated, possibly fall 2002 (2 sheets) – 6 photos of mountain and river, Hodson property
- undated, possibly fall 2002 (1 sheet) – 2 photos of Lehigh Gap
- 2003 – WIC sign installation (1 sheet) – 5 photos showing installation of WIC sign on Osprey House, possibly April
- Dedication ceremony, May 1, ID 427401 (3 sheets) – 13 photos of ceremony
- Dedication ceremony, May 1, ID 128841 (3 sheets) – 3 photos of ceremony and 11 photos of group touring the re-vegetation work on the Superfund area of Blue Mountain
- Dedication ceremony, May 1, no ID (6 sheets) – 27 photos of Osprey House and ceremony
- Dedication ceremony, May 1, ID 206436 (3 sheets) – 10 photos of group inspecting re-vegetation area, work crew with tools, and bird of prey
- May 3 (1 sheet) – 3 photos of members open house
- May 10 (1 sheet) – 5 photos of planting grass on refuge
- June 4 (1 sheet) – 3 photos of Osprey House and west side of Lehigh Gap taken from east side of river [ID 206435]
- Summer (1 sheet) – 2 photos of mountain with group at restoration with view of NJZ West Plant
- Summer2 (1 sheet) – 2 photos of a turtle
- August 23, ID841466 (5 sheets) – 1 index card, 24 photos and 1 picture CD of re-vegetation work, progress and views of grasses on refuge
- August 23, ID841435 (3 sheets) – 1 index card, 12 photos, and 1 picture CD of re-vegetation progress, views of tannery and library
- September 22 & October 3 (1 sheet) – 1 photo of youth group [ID430331] and 1 photo of bus at LGNC [ID575793]
- October 15 (3 sheets) – 1 index card, 14 photos, and 1 picture CD with photos of education activities, bird watching [ID 520611]
- October 19 (5 sheets) – 27 photos taken on southwest side of Lehigh Gap by Joe Ondra [ID 422991, dated Oct. 23]
- Winter (1 sheet) – 1 photo of group on Osprey House porch with snow [Wegmans 482]
- c2003? – Installing bird boxes (6 sheets) – 36 photos of box installations

Box 3

- 2003-2004 – Bob & Connie Reinhart's photos of test plots (1 sleeve) – 4 photo CDs from Sept. 30, 2003, Oct. 7 and 16, 2003, and Aug. 22, 2004 with note, and 1 sheet of sample prints
- 2004 – Freedom High School Field Trip and Test flights of aerial seeding – 1 computer disc
- June 17 (3 sheets) – 11 photos of restoration progress, by Bob Halmi
- Summer Camp (1 sheet) – 1 photo of students using microscopes in Osprey House kitchen

- August 1 (1 sheet) – 1 photo of group touring restoration area
- October? (8 sheets) – 16 photos for restoration progress display, 2002-2004
- 2005 – April 25 (1 sheet) – 1 photo of bald eagle on branch, Rt. 248 Palmerton
- June 4 (3 sheets) – 17 photos of National Trails Day event with interior of Osprey House
- October 15 and 27 (1 sheet) – 5 photos of Bake Oven hawk watch
- c2005? – Miscellaneous in 1 envelope (3 sheets) – 17 photos of refuge in fall, intern at BOK, interior of Osprey House, student award winners, raptors, construction trench, snake eating toad
- 2006 – March 27 (4 sheets) – 26 photos of demolition and construction work around Osprey House and dedication ceremony
- July 6 (1 sheet) – 3 photos of double rainbow on Blue Mt. and view of Lehigh Gap, by George Ashman
- August 17 (2 sheets) – 10 photos of media tour including restoration equipment
- 2007 – photo presentation used in fundraising campaign (25 sheets divided into topics – Headquarters and Restoration, Public Programs, Environmental Education Partnerships, Ecology Camp, Volunteers and Awards, Visitor & Education Center) – many photos duplicate of others in archive
- October 8 (1 sheet) – 1 photo of Sean Bankos
- December 27 (2 sheets) – 8 photos of construction of access road

Box 4

- 2008 – March 3 (1 sheet) – 6 photos of federal grant check presentation by Charles Dent
- October 31 (3 sheets) – 17 photos of ribbon cutting ceremony
- c2010? – Views (1 sheet) – 1 photo each of education group on mountain, NJZ west plant, deck, pond and tannery, and unimproved D&L Trail
- Award presentation at Bake Oven Knob fall festival (1 sheet) – 2 photos of Kunkle presenting awards to 2 people
- Fall (2 sheets) – 7 photos of Lehigh University Environmental Education class
- c2011? – Student groups (1 sheet) – 3 photos of groups at Osprey House
- 2012 – March 20 (1 sheet) – 1 photo of Dan Kunkle [Walmart]
- c2012? – Summer (1 sheet) – 1 photo each of mountain and pond and tannery [Eckerd 925]

Oversize Folder 1 – 6 photos of Osprey House, Tannery, Blue Mountain and Palmerton, LGNC from east side of gap, gap from south , and rocks (11 x17 inches)

21.2 Maps of LGNC (rolled in tubes 2 and 4)

- Property ownership identification maps no. 42 [and] 57. Office of the Chief Assessor, county of Carbon, PA. Compiled by J.L. Jacobs & C o., Chicago, IL, 2000. 2 maps, b&w, 36 x 39 in. (tube 4)
- Managed lands and recreational features, Wildlife Information Center, Lehigh River Gap, Kittatinny Ridge Corridor. Spots, Stevens and McCoy, Reading, PA, March 2004. 1 map, color, 21 1/2 x 33 1/2 in. Based on USGS quadrangle maps. (tube 4)
- Plant community work map, Lehigh Gap Wildlife Refuge. Compiled by DCR. Natural Lands Trust, Media, PA, May 2005. 1 map, color, 28 x 36 in. (tube 4)
- Lehigh Gap Wildlife Refuge. Set of 7 maps: USGS quadrangles; landscape context; 2004 satellite photograph; soils; slopes & hydrology; stewardship issues. Compiled by RAM. Natural Lands Trust, Media, PA, Jan. 18-19, 2006. Size 29 x 38 in. tube 2)

Lehigh Gap Wildlife Refuge. Set of 8 maps: 1- quadrangle map; 2-landscape context; 3- 2004 aerial photography; 4-soils; 5-slopes & hydrology; 6-plant communities c2005;7-stewardship issues & features; 8-trails. Compiled by MEB. Natural Lands Trust, Media, PA, July 24-27, 2007. Size varies 25x38 to 28x44 in. (tube 4)

Series 22 - Histories, recollections, interviews about WIC

22.1 Origins of WIC

Folder 1 - Background correspondence between WIC founders Donald Heintzelman and I. B. Sinclair, with letters to and from other persons and organizations, July 1980-May 1986. About 175 letters provide details of their efforts related to wildlife protection, frustration with other wildlife organizations, and the decision to form a new organization to protect wildlife. Includes letters to/from Defenders of Wildlife, Pennsylvania Game Commission, Sierra Club, Morning Call, Hawk Mountain Sanctuary, Wild Resources Conservation Fund, National Parks Service, Appalachian Trail Conference, National Audubon Society. Pennsylvania Wildlife & Outdoor Digest, and Humane Society of the United States. Letters also exchanged with H. Elliott McClure, Maurice Forrester Jr., Priscilla Cohn, Ruth Adams, and Harry Goldman. Information about the Committee for Dove Protection. Proposals by DSH to Defenders of Wildlife to create an International Raptor Center, a Pennsylvania Hawk Watching Week Education Kit, and a Defenders of Wildlife Fall Hawk Watch (all 1982). DSH remarks for First National Birds of Prey Conservation Week (1984). List of positions taken by Wildlife Committee of Eastern Pennsylvania Group, Sierra Club, May 10, 1986.

Prepared by:
Barbara L. Wiemann
Rev. July 13, 2026

Collection 2
Donald S. Heintzelman

Box 1 Series 1 - Biographical and Family Material (includes gifts and mementos)

- Folder 1 – Professional biography prepared by DHS in 2004 (22 p.); 2 memorial leaflets, 2020; clippings about DHS's life and accomplishments (15 articles, 1959-2009); birding life list with 827 birds listed; letter from Joseph Bacak to Pres. of Muhlenberg College, recommending Donald for honorary doctorate, 2018
- Folder 2 - Photographs of DHS (21 pages, 1938-2013), slides (22)
- Folder 3 - Public school - report cards, 2 papers (Indian relic collection and an autobiography), 9th grade graduation certificate; high school diploma
- Folder 4 - Miscellaneous - lock of baby hair; stationery post card with name and address; letterhead and business card; Bausch Lomb advertisement in Audubon Magazine, July/August 1960; passport issued in 1971; Catalogue of books for sale by DSH, Spring 1974 (6 p.); Golden Eagle Wildlife Tours letterhead; deed of gift forms for donation to Lehigh County Historical Society, 2004; notes to and from family members, 1948, 1950, 1967, 1970, 2017, 7 items; holiday card from Orefield Middle School
- Folder 5 - Diaries (Sept. 2014-Jan. 2015, Jan.-Oct. 14, 2015, Oct. 15, 2015-Mar. 20, 2016, Mar. 21-Aug. 29, 2016, Sep. 30, 2016-Mar. 9, 2017, Mar. 10-Oct. 5, 2017, Oct. 6-23, 2017, May 24-Sep. 15, 2019, Oct. 12, 2019-Mar. 13, 2020, Mar. 14-Aug. 3, 2020)

Box 2

- Folder 6 - Rewellien Heintzelman - Photos, slides, obituary of Rewellien and extended family
- Folder 7 - Florence Shaffer Heintzelman - Photos, slides, diary, recipes, letters, funeral, family
- Folder 8 - Rewellien and Florence - marriage, photos, Comus, 1956 - Allentown High School yearbook [on shelf next to box]

Box 3

- Common Service Book presented to Donald at Easter, 1953, by his Uncle Harvey and Aunt Dorothy (inscribed with DSH's name on front cover)
- 2 paintings by DSH
- Commemorative plate from Wilson Ornithological Society, 1972
- Amazonia sketches by Ken Anderson, Walt Disney Studios, 1974 - 44 sheets
- Slate wall hanging with eagle design - gift from WIC
- 7 patches and buttons - 2 Militia Hill buttons, Hawk Mt., Whalewatch, National Audubon Society, Bushkill Environment Conservation, Raptor Research Foundation patches
- Drawing of whale by Don Sineti, 1981 [oversize, stands next to box 2]
- 2 articles about Dr. Earl L. Poole by J. Peter Muhlenberg, presented to DHS by author (both published by Historical society of Berks County, 1993) with notes from Muhlenberg
- Well worn copy of A Field Guide to the Birds, by Roger Tory Peterson, 2nd rev and enlarged ed., 1960 (DHS's personal copy, with life list of birds)

Box 4 Series 2 - College and Grad School (Muhlenberg College and Lehigh University, 1960-1965)

- Folder 1 - Muhlenberg College transcript, graduation program, and diploma
- Folder 2 - The Breeding Activities of the Sparrow Hawk, Feb. 1961 (freshman English paper)
- Folder 3 - The Sparrow Hawk *Falco sparverius sparverius* Linnaeus, Dec. 1961 (bound)
- Folder 4 - Sparrow Hawk Breeding Cycle (undated, likely Dec 1961)
- Folder 5 - Behavior Development of the Sparrow Hawk (*Falco sparverius*), Dec. 1962
- Folder 6 - The Self-Concept and the Learning Process, May 1963
- Folder 7 - Industrial Morale Surveys, Dec. 1963
- Folder 8 - Sociology Book review: "Patterns of Culture" by Ruth Benedict, Dec. 1963
- Folder 9 - The Quiet Years, May 1964 (psychology paper)

Folder 10 - Sociology Term Paper, May 1964
Folder 11 - Egoism vs. Altruism: A Moral Standard, Dec. 1964
Folder 12 - Behavior of Japanese Bomb Survivors, Dec. 1964
Folder 13 - Comments on Philosophies and Theories of Education, May 1965
Folder 14 - Lehigh University graduate study, 1965 - paperwork
Folder 15 - Distribution and Population Density of Barn Owls in Lehigh and Northampton Counties, Pennsylvania, May 1965
Ciarla, 1964 (Muhlenberg College yearbook) [oversize, stands next to box 3]

Series 3 - Employment (Bethlehem Globe Times, Organic Gardening, William Penn Museum, NJ State Museum, Lindblad Explorer) [note: published photos from BGT & OG employment in 14; LE journals, mementos in 8; LCCC courses in 13]
Folder 1 - Diorama captions for William Penn exhibit

Series 4 - Memberships, affiliations, professional associations, etc. (except WIC, located in Collection 1)
[no items]

Series 5 - Honor and awards

Folder 1 - Witmer Stone Award and elected Fellow of Delaware Valley Ornithological Club, 1965; Julian K. Potter Award from Delaware Valley Ornithological Club, 1973; Registered Hawkwatcher recognition from Connecticut Audubon Council, 1981; Order of St. George, 1994; Pennsylvania Press Club's Communications Contest awards, 1999; Lifetime Achievement Award certificate from Lehigh Gap Nature Center, 2017; Certificate of Achievement from PA Rep. Justin Simmons, 2017; Lifetime Achievement Letter from Cong. Charles Dent, 2017; Certificate of Special Recognition from Sen. Patrick Toomey, 2017; congratulatory card from Muhlenberg College Office of Alumni Affairs recognizing his Hawk Mountain award, 2019

Box 5 Series 6 - Correspondence [note: correspondence relating to publications located with publications]

Folder 1 – Ada Wright Nature Center – Trinidad and Tobago – 1 letter
Reply to DSH about lifetime achievement award and his nature film Antillean Adventure, Mar. 8, 2017
Folder 2 - Arthur A. Allen - Cornell University Ornithology Laboratory, NY - 4 p.
DSH request for opinion on authenticity of Kermadec petrel sighting, Jan. 16-Feb. 26, 1960
Folder 3 - Dean Amadon - American Museum of Natural History, NY - 6 p.
DHS inquiry about employment, requests to read a manuscript and identify a bird, 1974, 1977-1978, 1983
Folder 4 - American Museum of Natural History - New York - 1 letter
Request to DSH to autograph books during upcoming AOU meeting, 1983
Folder 5 - Felipe Benevides - Lima Peru - 17 p.
Discussion of publication of Paracus field guide and list of birds with short descriptions; request for information on Peruvian wildlife conservation, 1974-1975, 1983
Folder 6 - Andrew J. Berger - University of Hawaii - 1 letter
Reply to DSH about Hawaiian hawks, failure of Auk to review DSH book, March 1978
Folder 7 - Arthur H. Bergey - York, PA - 2 p.
Letter with Bergey's travel plans, DVOC politics, July 1984
Folder 8 - Bird Watcher's Digest - Marietta, OH - 23 p.

- Submission of articles for publication, review of books, 1981-1985, 1998, 2001, 2017, 2018
- Folder 9 – Birdhawk – listserv.Arizona.edu – 2 emails
Emails by DHS to listserv about hawk flight triggers and vulture counting – Aug. 29 and Nov. 30, 2001
- Folder 10 – Rob Blye – Chester County – 2 emails
Information about pole traps, Mar. 7, 1999
- Folder 11 - James Bond - Academy of Natural Sciences, Philadelphia, PA - 20 p.
DSH requests related to Autumn Hawk Migration, Nov. 1969-April 1973
- Folder 12 - Alan Brady - Cameracraft Shop, Newtown, PA - 1 p., 2 postcards
Thank you notes to DSH for gifts of recently published books, June 1978-Nov. 1984
- Folder 13 - Maurice Brooks - Morgantown, WV - 2 letters
Replies to request for WV hawkwatching information, March 1978
- Folder 14 - Paul Brooks - Lincoln Center, MA - 2 letters
Request by Brooks for information about Robert Murphy and Roland Clement and thank you for information, March 1983
- Folder 15 - Maurice Broun - Hawk Mountain Sanctuary - 8 p., including note
Correspondence with Broun, Aug. 1978-July 1979
- Folder 16 - Irma Broun-Kahn - Modesto, CA - 7 letters, 1 card
Correspondence related to Maurice's papers and early hawk watching, 1980, 1982, 1984
- Folder 17 - Carl W. Buchheister - Bethesda, MD - 1 letter
Reply to DSH about whale watching locations, Nov. 1979
- Folder 18 – Paul Bunning – Olympia, WA – 2001-2002
Correspondence about Ramphastos, LLC Raptors software and DSH employment correcting the software
- Folder 19 – Lanny Chambers -4 emails
Japanese honeysuckle, Dec. 14, 1998
- Folder 20 - Charles, Prince of Wales - London, United Kingdom - 2 letters
DSH letter praising Prince's environmental efforts and thank you reply, 2013
- Folder 21 - Russell Cookingham - NJ Dept. of Environmental Protection - 2 p.
Inquiry about consulting contract and reply, April 1974
- Folder 22 - Cornell Laboratory of Ornithology - 19 letters and emails
Records of donations to the Laboratory, 1976-1977; reply to DSH letter suggesting books for their catalogue, 1983; emails about donated Rosalie Edge letter, 1998
- Folder 23 - Frank Craighead - Boiling Springs, PA - 1 p., 1 sales sheet, 1 envelope
Instructions for color marking of ducklings, from J. Wildl. Mgmt., 1951; Leaflet advertising Craighead's book Hawks, Owls and Wildlife with envelope, 1962
- Folder 24 - Helen Cruickshank - Rockledge, FL - 79 p.
Use of Allen Cruickshank's photos in DSH's books, birding, the problems of authors, and unfavorable book reviews. July 1978-Dec. 1986
- Folder 25 - Delaware Valley Ornithological Club - 29 p.
Concern about Game Commission non-game species efforts, 1978; correspondence about publishing DSH articles, promoting birding activities, concerns about DVOC policies, 1982-1984
- Box 6**
- Folder 26 - Bruce Duncan - Ontario, Canada - 1 letter, 2 charts, 1 map
Information about Cooper Hawk banding, 1984
- Folder 27 – Cindy Dunn – PA Audubon – 6 emails
Raptor protection and pole traps, Feb. 26-Mar. 7, 1999

- Folder 28 - Peter Edge - Hawk Mountain Sanctuary - 8 letters
Conservation issues, 1965; book sales and raptor conference, 1978
- Folder 29 - Rosalie Edge - Hawk Mountain Sanctuary
Postcard from Edge in France, to DSH, July 1962
- Folder 30 - Explorers Club - 9 letters, 1 postcard
Correspondence about book reviews and articles for Explorers Journal, 1979-1981
- Folder 31 - Jane Fenton - Hawk Trust, Wildfowl Trust - 19 letters and notes, 2 brochures
Requests from Fenton for information and photos, republication of DSH books and articles, 1975-1978
- Folder 32 - Dielle Fleischmann - McClellanville, SC - 1 letter
Request for assistance with Paracas field guide, 1975
- Folder 33 - Vladimir Galushin - Moscow Pedagogical State University, Russia - 1 letter
Sending DSH postcards of rare birds, 2010
- Folder 34 - Albert E. Gilbert - Washington, CT - 2 letters, leaflet of bird illustrations
Using Gilbert's artwork in DSH books, 1977
- Folder 35 - Frank Gill - Academy of Natural Sciences - 4 letters
Correspondence related to DSH completing a manuscript begun by Poole of the Academy, 1975
- Folder 36 - Harry Golden - Glens Falls, NY - 24 letters and notes, clippings
DSH application for Hawk Mt. Executive Director position and DSH complaints about character assassination, appropriating his work and BOK, 1982; DSH accomplishments not acknowledged by Hawk Mt., 1985-1986; effort by I. B. Sinclair to fund a position for DSH at Defenders of Wildlife, 1986; formation of WIC, 1986; Tesla Coil Builders Association newsletter, 1999
- Folder 37 - Laurie J. Goodrich - Hawk Mountain Sanctuary Association - 1 letter
Thanking DHS for his help documenting patterns of osprey carrying fish on migration, May 2003
- Folder 38 - Richard R. Graber - 2 letters
Request by DSH for hawk photographs, 1977
- Folder 39 - Sam Gundy - Kutztown State College, PA - 2 notes
Gundy reviewed DSH books for local newspaper, 1981
- Folder 40 - Theodore Hake - York, PA - 1 note, 1 letter
Congratulations from Hake on publication of books, 1979, 1983
- Folder 41 - John R. Haugh - Cornell University - 4 letters, book outline
Autumn Hawk Flights correspondence and proposed book outline, 1969; congratulations on Haugh's doctoral thesis, 1973
- Folder 42 - Hawk Migration Association of North America - 2 letters
DSH complaint about HMANA's treatment of him and reply from HMANA, 1985
- Folder 43 - Paul Hess - Natrona Heights, PA - mostly emails, approx. 200 pages
Kermadec Petrel identification correspondence and Hess article about the sighting, 1996-1997
Petrel identification letter with E. S. Brinkley's Trinidad Petrel observations; field guide bibliography by Hess, 1997
Petrel, birding web sites, honeysuckle, Wildlife Information Center, 1998
Backyard Home Companion suggestions and proofreading; Wildlife Information Center, Game Commission, PA Audubon, 1999
International Hawkwatcher, birding, 2000
DSH award nomination, 2002

Box 7

- Folder 44 - Historic Bartram's Garden - 4 letters, 4 emails
Franklinia census and tree owned by Robert Cushman Murray, 1998; Franklinia wildlife uses and bibliography, 2000
- Folder 45 - Clayton Hoff - Forward Lands, Inc. - 2 letters
Wildlife surveys employment, 1974
- Folder 46 - Jack Holcolm - WEEU Radio, Reading, PA - 5 letters, 3 cards, 1 newspaper article
Radio show, newspaper article, 1985-1986; postcard regarding DSH idea for new national park, 2019
- Folder 47 - Carl Howard - US Environmental Protection Agency, New York City - 3 emails
First person account of Sep. 11, 2001 attack, 2001
- Folder 48 - Susan Brady Hunter - Albuquerque, NM - 1 letter
About Alan Brady and his birding adventures, Dec. 26, 2018
- Folder 49 - International Council for Bird Protection - Washington and New York - 18 letters
Correspondence about research proposals, grants, employment, 1974-1976
- Folder 50 - Ned K. Johnson, U. of California, Berkley - 5 letters
Hammond flycatcher identification, 1967-1968
- Folder 51 - Nancy Keeler - Hawk Mountain Sanctuary - 6 pages
Emails from DSH citing his raptor accomplishments and responses from Keeler, June 2000
- Folder 52 - Robert S. Kennedy - National Wildlife Federation - 11 letters
Efforts to declare a National Hawk Watching Week, July 1983-Feb. 1984
- Folder 53 - Brina Kessel - University of Alaska - 1 letter
Reply to DSH request for information on Alaskan owls, 1981.
- Folder 54 - Anne LaBastille - Big Moose, NY - 13 letters, notes, and cards
Lindblad expeditions, hawking watching week, book publishing, buying real estate in Adirondacks, 1975-1989
- Folder 55 - Charles Leck - Rutgers University, NJ - 2 letters, 3 research proposals
Use of DSH photos in Leck's book, DSH work on Leck's research proposals, 1973-1974
- Folder 56 - Bob Lehman - US Geological Survey, Biological Resources Division, Boise, ID - 1 report, 3 emails
Raptor monitoring strategy report, 1997; DSH complaints about professional treatment, Oct. 1998
- Folder 57 - H. Elliott McClure - Camarillo, CA - 1 letter
Elective member of ACU, hawk watching week, Jan. 1984
- Folder 58 - Bernd Meyburg - World Working Group on Birds of Prey and Owls - 8 emails
International Hawkwatcher, Jan.-Feb. 2000
- Folder 59 - Mark W. Miller - Hawk Mountain Sanctuary - 12 emails
Use of BOK data for intern analysis, Aug.-Sep. 2000; request for information about Hawk Mountain's view of DSH, April 2001
- Folder 60 - Laura Wyand Moon - Genesee Ornithological Society - 20 letters, 4 newsletters
Hawk data from NY, support for reprinting DSH book, DSH complaints about others usurping BOK, Autumn Hawk Flights chronology, correct bibliographic citation, hawk watching ethics, *International Hawkwatcher*, book publishing, Nov. 1982-Jan. 1985.
- Folder 61 - Bill Murphy - Lanham, MD - 1 note
Gift of book and tape to DSH, 1987.
- Folder 62 - Robert Cushman Murphy - American Museum of Natural History, NY - 4 letters, 1 booklet

Identification of *P. neglecta*, 1959; raptor protection, 1962; permission to quote, 1970; thanks for *Hawks of New Jersey*, 1971; signed copy of *Original Paintings of John James Audubon*, 1957

Folder 63 - Alexander J. Nagy - Kempton, PA - 4 postcards

Cards to DSH, 1963, 1965.

Folder 64 - National Audubon Society, Mid-Atlantic Regional Office - Harrisburg, PA - 1 letter

Reply to DSH letter about symposium proceedings and how symposium was advertised, 1978.

Folder 65 - New Paltz Peregrine Falcon Foundation - New Paltz, NY - 2 letters, reprint, pamphlets

Solicitation letter with brochures and cards, 1978; reprint from *Search*, v. 3 (winter 1977-78) about peregrines in NY; note to DSH about egg shells, 1982

Folder 66 - New Zealand Dept. of Internal Affairs, Wildlife Service - 1 letter

Reply to DSH request for information about whales and raptors, 1984

Folder 67 - Nick Lyons Books - New York, NY - 6 letters

DSH attempts to interest publisher in publishing his books, 1988

Box 8

Folder 68 - Bent Pors Nielsen - Copenhagen, Denmark - 65 letters, 1 article, 4 envelopes

Hawk migrations, publications, Middle East, hawk watching, visit to US, 1973-1995

Folder 69 - Ralph S. Palmer - Tenants Harbor, ME - 1 note

Thank you for copy of *American Hawkwatcher*, 1983

Folder 70 - Kenneth C. Parkes - Carnegie Museum - 14 letters

Museum labeling and specimens issues, passenger pigeon, Hammond's flycatcher, hawk watching ethics, revising Earl Poole's manuscript, 1963-1975

Folder 71 - Linus Pauling - Palo Alto, CA - 1 note

Acknowledges receipt of news release about proposed treaty on environmental terrorism and offering support for it, 1991

Folder 72 - Pennsylvania Game Commission - Harrisburg, PA - 35 letters

Correspondence with Executive Director about endangered species protection, Kittatinny Ridge Raptor Area, non-game species, hawk watching weeks, protecting Bake Oven Knob, requests for grants, 1978-1985

Folder 73 - Roger Tory Peterson - Old Lyme, CT - 62 letters, card, note

Book publishing, raptor conference, environmental issues, 1979-1992, 1996

Folder 74 - Olin Sewall Pettingill, Jr. - Cornell, NY and Maine - 43 letters

Career advice, bird watching, publishing, 1961-1965; employment, travels, 1974-1978; book reviews, Bake Oven Knob competition, 1980-1983

Folder 75 - Alan F. Poole - Woods Hole, MA - 2 letters

Poole inquiry about osprey research and DSH reply, 1985

Folder 76 - Earl L. Poole - West Reading, PA - 99 letters and cards

Bird observations and notes, bird illustration, publishing, 1957-1971

Folder 77 - Helen Poole - West Reading, PA - 2 notes, 1 card

Notes and Christmas card from Earl Poole's widow, 1984-1985

Box 9

Folder 78 - Richard H. Pough - New York - 24 letters and notes

Heron colony, 1962; 1932 dead hawk photos, 1969; photos for books, employment, 1972-1973; thank you letters for gift books, 1979, 1983; birds of prey conservation week, controversy with Hawk Mountain Sanctuary, 1984

Folder 79 - Herb Raffaele - Harwich Port, MA - 1 letter

Reply to DSH's self nomination letter for Alexander Skutch Award, Mar. 25, 2017

Folder 80 - S. Dillon Ripley - Smithsonian Institution - 3 letters

- Request to serve as project advisor for grant, 1974; international wildlife conservation, 1984
- Folder 81 - Chandler S. Robbins - Laurel, MD - 4 letters
Request by DSH to use Robbins' material in his book, to serve as an advisor for grant proposal, 1973-1974
- Folder 82 - Patricia Ann Sacks - Muhlenberg College, PA - 1 letter
Acknowledgement of DSH donation of typescript and book, 1978
- Folder 83 - Salisbury Township School District - 22 pages
Birds of prey curriculum (unit 2 of 6th grade science curriculum), 1982-1984
- Folder 84 - Victor B. Scheffer - Bellevue, WA - 2 letters
DSH request for hawk watching information and reply, 1978
- Folder 85 - Keith Shackleton - London, England - 4 letters
Request by DSH for Shackleton to illustrate a forthcoming book, 1975-1976
- Folder 86 - Joan E. Silagy - Leesport, PA - 2 letters with newspaper article
Keeping in touch letters, 2017, 2018
- Folder 87 - I. B. Sinclair - Media, PA
[This file of about 175 letters, 1980-1986 is located in Collection 1; correspondence provides background for the formation of the WIC]
- Folder 88 - Ned Smith - Millersburg, PA - 2 letters
Raptor illustration, 1981-1982
- Folder 89 - Walter R. Spofford - Portal, AZ - 1 letter
Sources of information for western hawk watching for proposed DSH book, 1976
- Folder 90 - Peter Stettenheim - Lebanon, NH - 1 letter
Sources of information for New Hampshire hawk watching for proposed DSH book, 1978
- Folder 91 - John Strohmeyer - Bethlehem, PA - 1 letter
Letter to Strohmeyer, Bethlehem Globe-Times, concerning distortions in G-T article, the role of the Brouns in developing Hawk Mountain and DSH efforts at raptor conservation, 1982
- Folder 92 - George M. Sutton - University of Oklahoma - 43 letters, hawk protection paper
Career advice to a young ornithologist; hawk protection legislation; bird collection at the State Museum; bird sketches and exhibits, 1961-1969; reading DSH manuscript, 1977; letter about promising young wildlife artist, 1981; reminiscence by DSH about "Doc", 1982
- Folder 93 - Joseph W. Taylor - Hawk Mountain Sanctuary - 8 letters
DSH chastises Sanctuary for allowing gypsy moth spraying, content of a Sanctuary program, not carrying his books, not promoting Hawk Watching Week, 1968, 1972, 1978, 1981; 2 letters by Taylor to Goldman and Sinclair informing them that DSH was not selected as Hawk Mountain executive director, 1982; criticism of Hawk Mountain regarding American kestrel research, 1982
- Folder 94 - John K. Terres - New Canaan, CT - 2 postcards
Complimenting each other on publications, 1985
- Folder 95 - Theodore Burr Covered Bridge Society of Pennsylvania - 1 letter
Reply to DSH request for Society to endorse Kittatinny Raptor Migration Corridor, 2008
- Folder 96 - Patrick J. Toomey - 1 letter with enclosure and emails
Reply to DSH letter about Project Evergreen, copy of Rep. John Doolittle's letter about combating extremism of the environmental movement by Project Evergreen,

- and email exchanges with Linda Sterner, Debbi Palmieri, and Mary Jackson about Project Evergreen, 2000
- Folder 97 - M. D. F. Udvardy - California State University - 1 letter
Reply to DSH request for sample bird breeding map, 1982
- Folder 98 - Frederick A. Ulmer, Jr. - 2 letters, postcard
Thank you for gift of whale book, questions about content, and DSH reply, 1981
- Folder 99 - Edwin Vaassen - numerous emails
Paper about Turkish eagle migration, falconry, Oct. 1999-Jul. 2000
- Folder 100 - James M. Vardaman - Jackson, MS - 1 letter
Thank you for DSH comments on Vardaman's book, 1981
- Folder 101 - George Wallace - Greyling, MI - 22 letters, 1 card
Book publishing advice, owl sites in Michigan, complaints about treatment from other birders, Hawk Mountain, gaining Elective Member status in AOU, 1980-1986
- Folder 102 - George E. Watson - National Museum of Natural History, Washington, DC - 7 letters
Identification of *Pterodroma neglecta* by Watson, 1976-1977
- Folder 103 - Lyall Watson - Bermuda - 1 letter
Apologies for missing DSH lecture, 1974
- Folder 104 - Clayton M. White - Brigham Young University, UT - 1 letter
Missing mail and defense of critical book review, 1982
- Folder 105 - John A. Wiens - Auk editor, Albuquerque, NM - 1 letter
Reply to DSH suggestion for ethical commentary in journal, 1982
- Folder 106 - Wildlife Information Center – 1 letter
DSH concerns about archival resources at WIC and future donations, 1998
- Folder 107 – Charles E. Williams – Clarion, PA – 1 email
Invasive control on steep slopes, 1999
- Folder 108 - David B. Wingate - Bermuda - 1 letter and 1 card
Reply to DSH request for whale information, 1980; keeping in touch card, 2017
- Folder 109 - Wooden Covered Spans - New Castle, PA - 1 letter
DSH request for information about covered bridge courses for teachers, 2001

Box 10 Series 7 - US Field Research, Field Notes, Field Journals (arranged chronologically, geographically, except for Bake Oven, located in Collection 8)

7.1 Field Research, Notes, and Journals by date

- Folder 1 - 1959: records of 6 nest sites and banding in Berks, Clinton, and Wayne Counties, PA; nest site in Shenandoah National Park
- Folder 2 - 1960: 7 sheets of observations, April-June, at ABE Airport, Lehigh Parkway, South Mountain, and Berks County; raven nests in Union County vicinity
- Folder 3 - 1961: 94 numbered sheets of notebook paper with notes and observations of birds, Jan.-Dec., one day per sheet, from Lake Muhlenberg, Allentown; Bake Oven Knob; Hawk Mountain; Fleetwood; Kempton; Trexler Game Preserve; Portland, PA; Paupack; Brigantine National Wildlife Reserve, NJ; and Vermont [note: this locations list is not complete]
- Folder 4 - 1962: 122 numbered sheets, Jan.-Dec., same as described in folder 3, and 5 typed pages listing species observed during the year and pages where recorded
- Folder 5 - 1963: 69 numbered sheets, Jan.-Nov., same as described in folder 3; 1 typed page (no. 61a) contains Bake Oven Knob observations by Manness, Bressler and Middleton on Oct. 28 and 30
- Folder 6 - 1964: 115 pages in bound notebook

Box 11

Folder 7 - 1965, pt. 1: 140 pages in bound notebook
Folder 8 - 1965, pt. 2: 77 pages in bound notebook
Folder 9 - 1966: 247 pages in bound notebook; 3 mammal survey sheets for white-footed mice and 1 sheet for eastern chipmunks at Bake Oven Knob (1964, 1966, 1967)
Folder 10 - 1967-1969: 2 field notebooks, Apr.-Sep. 1967 and Sep. 1967-May 1969
Folder 11 - 1967: 146 pages of observations typed from field notebooks (in folder 10) with 5 page index by species, commercially bound
Folder 12 - 1968: 108 pages of observations typed from field notebook (in folder 10) and Bake Oven Knob observations, with 5 page index by species, commercially bound
Folder 13 - 1969: 95 type pages of observations during the year, with 4 page index by species, commercially bound (does not include the May 1969 observation in the notebook in folder 10)

Box 12

Folder 14 - 1959-1970: Bird banding permits and records

Box 13

Box of 1980s journals and 1993 Heidelberg Township Raptor Surveys
Pole trap field checks, Dec. 1986-March 1988 - 12 pages
General raptor and Kittatinny raptor migration corridor field observations, Sep. 1989-2006 - 60 pages
Bird watcher's journal - 57 pages and species checklist, 1985-1999
Observations, March-Nov 1982, 147 pages
Observations, Nov.-Dec 1982, 11 pages
Heidelberg Township Raptor Survey data sheets, Sep-Dec 1993 (49 daily maps with summary map)

Box 14

Box of 2000s journals:
All Weather Hawk Watcher's Field Journals - 7 notebooks
Roadside Raptor Survey, Heidelberg Township, Lehigh County, April 2002-May 2005 (plus maps for Apr 2002-May 2003)
Roadside Raptor Survey, Kittatinny Ridge, June 2009-Aug 2010, 11 pages
Blue Mountain at PA 309, Sep. 2002-Nov. 2005
Blue Mountain at PA 309, Nov. 2005-Oct 2009
Green Lane Reservoir and other locations, June 2003-Sep. 2008
Green Lane Reservoir and a few pages for other locations, Dec. 2008-May 2010
Shimersville Hilltop, Lehigh County, Sep. 2004-Oct 2013
2004, 2007, 2008, 2009, 2010, 2011, 2012 (2 books) (a few pages used in each book)

Box 15

7.2 Field Research, Notes, Journals, Organized by Location

Folder 1 - Charlex Farm, Albany Twp., Berks Co. sparrowhawk study, pt. 1
Folder 2 - Charlex Farm, Albany Twp., Berks Co. sparrowhawk study, pt. 2
Folder 3 - Lehigh County bird records, 1960-1983, arranged by species
Folder 4 - Lake Muhlenberg bird records, 1960-1982, arranged by species
Folder 5 - Robin Hood area bird records, 1962-1976, arranged by species
Folder 6 - SGL 205 and Trexler Game Preserve, 1961-1983, arranged by species
Folder 7 - Heidelberg Hill, 7 days of observation, 1975-1977
Folder 8 - South Mountain Preserve, Allentown, 25 days of observation, Sep-Nov 2000

- Folder 9 - Miscellaneous field data sheets - Wagner's Gap, 1966 (2 days); Delaware Water Gap, 1972 (3 days); Tott's Gap, 1972 (22 days); Flagstaff Park, 1984 (1 day)
- Folder 10 - Lehigh County dead birds, 1936-1968 (by DSH and material from the Western Foundation of Vertebrate Zoology's Nelson Hoy collection)
- Folder 11 – Kermadec petrel controversy – articles, photos and correspondence relating to the identification of the bird sighted Oct 3, 1959 at Hawk Mt, 1959-2003

Box 16 Series 8 - International Field Research, Notes, Journals, Mementos, and Travel (arranged geographically and chronologically, including LE employment)

8.1 Trinidad and Tobago

- Folder 1 - Journal, 1967, 1969 and bound, typed copy
- Folder 2 - Birds of Trinidad and Tobago, by Herklots (Collins, 1965 reprint) with notes
- Folder 3 - Booklets, maps, post cards, letters from travels
- Folder 4 - Spring Hill Estate newsletters, 1968-1979
- Folder 5 - Birding resources (description of birding trips from Spring Hill; Birding on Trinidad, by L. A. Bischoff, 1966; Paradise Inn birding; Birding in Trinidad, by J. M. Barnett, 1967)

8.2 East Africa

- Folder 1 - Journal, 1972 (1 book)
- Folder 2 - Correspondence relating to tour, letters sent while on tour
- Folder 3 – Checklist of birds, February-March 1972 (photocopy of pages 56-181)

8.3 Amazon

- Folder 1 - Journal, 1974-1975 (203 pages); LE patch & photo; postcards and letters home

Box 17

8.4 Galapagos Islands

- Folder 1 - Journal, 1974-1975 - 1 book (75 pages)
- Folder 2 - Itineraries and travel information
- Folder 3 - Galapagos avifauna, by M. P. Harris, 1973; list of genus; information about Galapagos; correspondence, 1975-1984; WFMZ program, 1978

Box 18

8.5 Antarctica

- Folder 1 - Journal, 1975-1976 (91 pages)
- Folder 2 - Memorabilia

Series 9 - Published Books - arranged by publication date (includes research material, drafts, proofs, correspondence, publicity, copy of publication)

Box 19

9.1 Autumn Hawk Flights (Rutgers University, 1975)

- Folder 1 - Correspondence, George Griffin, Senior Editor at Rutgers Press, related to publication of book, 1973-1975 and 10 letters, 1976-1980.
- Folder 2 - Correspondence with Rutgers Press: William Sloane (7 letters, 1973-1974), Herbert Mann (2 letters, 1978, 1980 related to publishing rights), Marlie Wasserman (1 letter, 1982, declining to reprint book), and Christina Blake (6 letters, 1984, related to book plates and flats)
- Folder 3 - Permissions for use of quotations and photographs (alphabetically by grantor)

- Folder 4 - Photographs/illustrations considered/used in book (approximately 55 b&w glossy and 2 illustrations; all but 12 photos by DSH)
- Folder 5 - Book publicity and promotion
- Folder 6 - Contract, royalties, 1975-1980
- Published hardbound book, autographed on half title (used)

9.2 A Guide to Eastern Hawk Watching (Pennsylvania State University Press, 1976)

- Folder 1 - Typewritten manuscript with corrections
- Folder 2 - Permissions for use of quotations and photographs
- Folder 3 - Book publicity and promotion
- Folder 4 - Contract, rights, royalties, purchases
- Published paperback book (used)

Box 20

9.3 North American Ducks, Geese & Swans (Winchester Press, 1978)

- Folder 1 - Correspondence, Jock Bartlett, Managing Editor at Winchester Press, related to publication of book, 1976-1979
- Folder 2 - Correspondence with Winchester Press, 1979-1985 [Winchester Press published 4 books by DSH, 1978-1984, and correspondence includes other books and projects; see 9.7, 9.8, and 9.10]
- Folder 3 - Typewritten manuscript
- Folder 4 - Galley pages of book and dust jacket mock-up
- Folder 5 - Permissions for use of quotations and photographs, reprint permission
- Folder 6 - Photographs considered/used in book (approximately 115 b&w glossy)
- Folder 7 - Illustrations, charts, maps used in book

Box 21

- Folder 8 - Book publicity and promotion
- Folder 9 - Contract, rights, royalties, purchases
- Published hardback book (new)

Box 22

9.4 Hawks and Owls of North America (Universe, 1979)

- Folder 1 - Correspondence with Universe Books, 1978-1986 [Universe published 2 books by DSH in 1979 and correspondence for both books is included in this folder]
- Folder 2 - Permission for use of quotations and photographs (includes a permission note from Maurice Broun that also urges DSH to descend from Olympus and apologize to the MacClays)
- Folder 3 - Photographs considered/used in book (approximately 130 b&w glossy, 1 map of cicada infestation, photos of lions, 1 slide of an American chestnut tree, and dust jacket mock-up)
- Folder 4 - Book publicity and promotion
- Folder 5 - Contract, rights, royalties, purchases
- Published hardback books, 1st printing, 1979 and 2d printing, 1981, with dust jackets (new)

Box 23

9.5 A Manual for Bird Watching in the Americas (Universe, 1979) - [see note for 9.4 Folder 1]

- Folder 1 - Typewritten manuscript, early draft, pt. 1, 1977 (pages i-iv, 1-100)
- Folder 2 - Typewritten manuscript, early draft, pt. 2, 1977 (pages 101-158)
- Folder 3 - Typewritten manuscript, 2nd draft, pt. 1, 1978 (pages i-v, 1-135)
- Folder 4 - Typewritten manuscript, 2nd draft, pt. 2, 1978 (pages 136-279)

- Folder 5 - Typewritten photo captions, insert instructions, partial index and dust jacket mock-up
 - Folder 6 - Permissions for use of quotations and photographs
 - Folder 7 - Photographs considered/used in book (24 color)
 - Folder 8 - Photographs considered/used in book (approximately 124 b&w glossy)
 - Folder 8 - Book publicity and promotion
 - Folder 9 - Contact, royalties, purchase
 - Published hardback book with dust jacket (new)
- Box 24**
- Box 25** **9.6 A Guide to Hawk Watching in North America** (Pennsylvania State University Press, 1979)
- Folder 1 - Correspondence with Penn State Press, 1978-1998 (later correspondence includes efforts to have PSU publish or reprint other DSH books)
 - Folder 2 - Typewritten manuscript, pt. 1 (pages i-xi, 1-130)
 - Folder 3 - Typewritten manuscript, pt. 2 (pages 131-246, captions)
 - Folder 4 - Photographs considered/used in book (approximately 85 b&w glossy)
 - Folder 5 - Artwork and photographs
 - Folder 6 - Permissions for use of quotations and photographs
 - Folder 7 - Book publicity and promotion
 - Folder 8 - Rights, royalties, purchases
- Box 26** Published hardback book with dust jacket (new) and published paperback book, second printing, 1982 (used)
- 9.7 The Illustrated Bird Watcher's Dictionary** (Winchester Press, 1980)
- Folder 1 - Correspondence with Winchester Press, 1979-1983 [Winchester Press published 4 books by DSH, 1978-1984, and correspondence includes other books and projects, see 9.3, 9.8 and 9.10]
 - Folder 2 - Typewritten manuscript (102 pages and unpagged appendixes, captions)
 - Folder 3 - Permissions
 - Folder 4 - Photographs considered/used in book (approximately 90 b&w glossy)
 - Folder 5 - Book publicity and promotion
 - Folder 6 - Contract, rights, royalties
 - Published hardback book with dust jacket (new)
- Box 27** **9.8 A World Guide to Whales, Dolphins, and Porpoises** (Winchester, 1981)
- Folder 1 - Correspondence with Winchester Press, 1979-1984 [Winchester Press published 4 books by DSH, 1978-1984, and correspondence includes other books and projects; see 9.3, 9.7, and 9.10]
 - Folder 2 - Research Correspondence
 - Folder 3 - Typewritten manuscript, first draft
 - Folder 4 - Typewritten manuscript, second draft
 - Folder 5 - Typewritten manuscript, third draft, part 1
 - Folder 6 - Typewritten manuscript, third draft, part 2
 - Folder 7 - Permissions
 - Folder 8 - Photographs and illustrations considered/used in book (18 b&w photos, 12 illustrations, all but 3 photos from other sources)
- Box 28** Folder 9 - Book publicity and promotion
- Folder 10 - Contract, rights, royalties, purchases
 - Published paperback book (new)

9.9 The Birdwatcher's Activity Book (Stackpole, 1983)

- Folder 1 - Correspondence, 1982-1986 (includes letters promoting new or revised book ideas)
- Folder 2 - Outlines of content of proposed book
- Folder 3 - Typewritten manuscript with editorial markup, pages 1-115
- Folder 4 - Typewritten manuscript with editorial markup, pages 116-Index
- Folder 5 - Typewritten photo, line art, map captions, and index
- Folder 6 - Page proofs from publisher and dust cover mockup
- Folder 7 - Photographs/illustrations considered/used in book (approx. 63 b&w glossy and 8 illustrations)
- Folder 8 - Permissions
- Folder 9 - Book publicity and promotion
- Folder 10 - Contract, royalties

Box 29

9.10 Guide to Owl Watching in North America (Winchester Press, 1984 and reprinted by Dover Press, 1992)

- Folder 1 - Correspondence with Winchester Press, 1981-1991 (includes 3 undated editor evaluations of the manuscript) [Winchester Press published 4 books by DSH, 1978-1984, and correspondence includes other books and projects; see 9.3, 9.7, and 9.8]
- Folder 2 - Typewritten manuscript
- Folder 3 - Captions and credits for photos and indexes
- Folder 4 - Plate captions and silhouettes, dust jacket mockup
- Folder 5 - Photographs used in book (62 b&w glossy, 1 colored, all but 3 photos from other sources)
- Folder 6 - Permissions
- Folder 7 - Book publicity and promotion
- Folder 8 - Contract, rights, royalties, purchases
- Folder 9 - Dover reprint, 1992 (also includes 1987 correspondence with Pennsylvania State University Press regarding reprinting this title)
- Published paperback book (new)

Box 30

9.11 The Migration of Hawks (Indiana University Press, 1986)

- Folder 1 - Correspondence with Indiana University Press, 1984-1995 (includes efforts to have IUP republish or reprint other books and publish new titles)
- Folder 2 - Detailed contents outline (includes deleted chapters and tables)
- Folder 3 - Literature Cited List (does not match the list published in book)
- Folder 4 - Manuscript sent to publisher, p. 1-175 (with printer marks)
- Folder 5 - Manuscript sent to publisher, p. 176-350 (with printer marks)
- Folder 6 - Manuscript sent to publisher, p. 351-525 (with printer marks)
- Folder 7 - Manuscript sent to publisher, p. 526-612, index, captions (with printer marks)
- Folder 8 - Chapters not used in book, p. 111-250
- Folder 9 - Chapters not used in book, p. 251-400
- Folder 10 - Chapters not used in book, p. 401-550
- Folder 11 - Chapters not used in book, p. 551-673
- Folder 12 - Tables not used in book, typewritten, no. 1-105
- Folder 13 - Tables not used in book, handwritten, no. 1-105

Box 31

Box 32

- Box 33**
- Folder 14 - Page proofs
 - Folder 15 - Illustrations
 - Folder 16 - Permissions
 - Folder 17 - Publicity and promotion
 - Folder 18 - Contract, rights, royalties
 - Published hardback book (new)
- Box 34**
- 9.12 Wildlife Protectors Handbook** (Capra Press, 1992)
- Folder 1 - Correspondence with Living Planet Press and Falcon Press, 1990-1991 (both publishers declined to publish the book)
 - Folder 2 - Correspondence with Capra Press, 1991-1993
 - Folder 3 - Typewritten chapters
 - Folder 4 - Computer printed manuscript, 1991
 - Folder 5 - Page proofs
 - Folder 6 - Publicity and promotion
 - Folder 7 - Contracts, rights, royalties
 - Published paperback book (new)
- 9.13 The Complete Backyard Birdwatcher's Home Companion** (Ragged Mountain Press, 2001)
- Folder 1 - Correspondence with publisher, pt. 1, 1998-June 1999
 - Folder 2 - Correspondence with publisher, pt. 2, July 1999-2000
- Box 35**
- Folder 3 - Correspondence with sources, A-B
 - Folder 4 - Correspondence with sources, C-E
 - Folder 5 - Correspondence with sources, F-Hel
 - Folder 6 - Correspondence with sources, Hes-J
 - Folder 7 - Correspondence with sources, K-M
- Box 36**
- Folder 9 - Correspondence with sources, O-Pa
 - Folder 10 - Correspondence with sources, Pe-R
 - Folder 11 - Correspondence with sources, S-W
- Box 37**
- Folder 12 - Outlines (4 computer printed drafts, labeled 1st, 2nd, 4th draft (2 different drafts have the same number))
 - Folder 13 - Chapter 1 (6 computer printed drafts, Jan. 1999, editor's comments in July 1999, 4 later drafts labeled versions 1-4)
 - Folder 14 - Chapter 2 (4 computer printed drafts, Jan. 1999, editor's comments in July 1999, 2 later drafts labeled versions 1/2 and 3)
 - Folder 15 - Chapter 3 (4 computer printed drafts, Jan. 1999, editor's comments in Aug. 1999, 2 later drafts labeled versions 2-3)
 - Folder 16 - Chapter 3 (2 computer printed drafts, versions 4-5)
 - Folder 17 - Chapter 4 (undated computer printed draft)
 - Folder 18 - Chapter 5 (3 computer printed drafts labeled versions 1 (with editor's comments)-3)
- Box 38**
- Folder 19 - Chapter 6 (3 computer printed drafts labeled versions 1 (with editor's comments)-3)
 - Folder 20 - Chapter 7 (undated computer printed draft with editor's comments)
 - Folder 21 - Illustration captions (computer printed)
 - Folder 22 - Complete manuscript, pt. 1, front matter-chapter 3, computer printed
 - Folder 23 - Complete manuscript, pt. 2, chapters 4-6, computer printed
 - Folder 24 - Complete manuscript, pt. 3, chapters 7-9, computer printed

Box 39 Folder 25 - Complete manuscript, pt. 4, chapters 10-13, computer printed
Folder 26 - Complete manuscript, pt. 5, chapters 14-17, computer printed
Folder 27 - Complete manuscript, pt. 6, appendices and references, computer printed;
color copy of front cover of book
Folder 28 - Permissions
Folder 29 - Publicity and promotion
Folder 30 - Contract, royalties
Published paperback book (new)

Box 40 **9.14 Hawks and Owls of Eastern North America** (Rutgers University, 2004)

Folder 1 - Correspondence, 2002-2003
Folder 2 - Computer printed manuscript with reader's comments, pt. 1
Folder 3 - Computer printed manuscript with reader's comments, pt. 2
Folder 4 - Copy edited manuscript, pt. 1
Folder 5 - Copy edited manuscript, pt. 2

Box 41 Folder 6 - Page proofs, pt. 1
Folder 7 - Page proofs, pt. 2
Folder 8 - Permissions (includes permissions for material reused from previous books)
Folder 9 - Publicity and promotion
Folder 10 - Contract, rights, royalties

Box 42 **9.15 Guide to Hawk Watching in North America** (Globe Pequot, 2004)

Folder 1 - Correspondence with publisher, 2002-2004
Folder 2 - Correspondence with content providers, 1999-2001
Folder 3 - Correspondence with content providers, 2002-Mar. 2003
Folder 4 - Correspondence with content providers, Apr.-Sep. 2003
Folder 5 - Page proofs, pt. 1, p. 1-200

Box 43 Folder 6 - Page proofs, pt. 2, p. 201-410
Folder 7 - Photographs and illustrations; 3 computer discs
Folder 8 - Permissions
Folder 9 - Publicity and promotion
Folder 10 - Contract, rights, royalties
Published paperback book (new)

Box 44 Series 10 - Published pamphlets, leaflets, etc.

Folder 1 - *Hawks of New Jersey* (NJ State Museum, 1970, 103 p.)
Guide to Northeastern Hawk Watching (privately published, 1972, 63 p.) with copyright certificate
A Bibliography of New Jersey Ornithology (1960 through 1972) (New Jersey State Museum, Trenton, NJ, Feb. 9, 1973, 19 p.)
Finding Birds in Trinidad and Tobago (privately published, 1973, 32 p.) with copyright certificate
Wildlife and the Land: Background and Recommendations for a Public Land Use Policy (Habitat New Jersey, 1974, 44 p., typewritten)
Autumn birds of Bake Oven Knob, Lehigh County, PA (Sept. 1978, 1 page folded)
Field Guide to North American Swans (Friends of Animals, 2002, 17 p.)
Black Vulture Fact Sheet (Friends of Animals, 2002, 4 p.)

Folder 2 - *Endangered or Threatened Birds and Mammals of Lehigh County, Lehigh Valley* (Audubon Society, 1976, 14 p.); research contributions by Bart Snyder, Cliff Miller, and Wiltraut; letter to Dale Steventon; draft copy; 2 newspaper articles about report

Folder 3 - New Jersey State Museum Science Notes, no. 1-6, 8-10, 12-13 (1971-1973)
Age, Sex and Wing Lengths of Autumn Migrants from Central New Jersey (1971, 9 p.)
Synopsis of New Jersey Hawk and Owl Identification (1971, 7 p.)
Preliminary Survey of the Vertebrates of Tocks Island (with Carl S. Oplinger, 1971, 18 p.)
Rare or Endangered Fish and Wildlife of New Jersey (1971, 23 p.)
Birds of the New Land Research Reserve (1971, 19 p.)
Some Autumn Bird Records From the Catfish Fire Tower, New Jersey (1972, 8 p.)
Check-List of Birds in the New Jersey State Museum (1972, 17 p.)
Spring Bird Banding Totals from Island Beach State Park, New Jersey (1972, 6 p.)
Speculation on the Possible Origin of Some Sharp-Shinned and Red-Tailed Hawk Flights Along the Kittatinny Ridge, Autumn 1971 (1972, 6 p.)
1972 Autumn Hawk Count at Tott's Gap, Pennsylvania (1973, 3 p.)
1972 Autumn Hawk Count at Raccoon Ridge, Warren County, New Jersey (1973, 9 p.)

Folder 4 - *All-Weather Hawk Watcher's Field Journal*, Darling (2002)

Box 45 Folders 5-15 - *Canada Goose Habitat Modification Manual* (Friends of Animals, 2005, 16 p.)

Series 11 - Journal, magazine, and newspaper publications

Box 46 Folder 1 - Periodical articles 1958-1960
The Susquehanna's Rookery Island (Atlantic Naturalist, v. 13, no. 1, Jan-Mar. 1958, p. 4-6)
Hummingbirds in action (Pennsylvania Game News, v. 29, no. 8, Aug. 1958, p. 53-54)
5 ways to attract birds (Organic gardening and farming, v. 6, no. 9, 1959, p. 22-27)

Folder 2 - Periodical articles 1961-1963
Kermadec petrel in Pennsylvania (Wilson Bulletin, v. 73, no. 3, Sep. 1, 1961, p. 262-267)
Return to Rookery Island (Atlantic Naturalist, v. 16, no. 4, Oct-Dec. 1961, p. 241-242)
An unusual sparrow hawk tail (Bird-Banding, v. XXXIII, 1962, p. 204-205)
Diving times of a common goldeneye (Wilson Bulletin, v. 75, no. 1-2, April 1963, p. 91)
Bake Oven hawk flights (Atlantic Naturalist, v. 18, July-Sep. 1963, p. 154-158)
Bake Oven Knob migration observations (Cassinia, no. 47, p. 39-40)

Folder 3 - Periodical articles 1964-1967
Some waterfowl diving times (Wilson Bulletin, v. 76, no. 3, Sep. 25, 1964, p. 291. Carole J. Newberry, joint-author)
Spring and summer sparrow hawk food habits (Wilson Bulletin, v. 76, no. 4, Dec. 29, 1964, p. 323-330)
Autumn bird migration at Bake Oven Knob, Pa. (Cassinia, no. 48, Mar. 1965. Thomas V. Armentano, joint-author)
Cannibalism at a broad-winged hawk nest (Auk, v. 83, no. 2, May 11, 1966, p. 307)
Distribution and population density of barn owls in Lehigh and Northampton Counties, Pennsylvania (Cassinia, no. 49, Oct. 1966, p. 2-19)
The golden-winged warbler in Lehigh County in 1963 (Cassinia, no. 49, Oct. 1966, p. 32)
Bake Oven Knob autumn hawk migration observations (1964 and 1965) (Cassinia, no. 49, Oct. 1966, p. 33)
Observations and comments on the aerial capture of prey by the sparrow hawk (Linnaean News-letter, v. 20, no. 6&7, Nov.& Dec., 1966, p. 1-4)

Something strange in the osprey's world (Pennsylvania Game News, v. 38, no. 7, July 1967, p. 9-13)

What do owls eat? (Pennsylvania Game News, v. 38, no. 10, Oct. 1967, p. 21)

Folder 4 - Periodical articles 1968-1970

Our eastern bluebird (Pennsylvania Game News, v. 39, no. 3, Mar. 1968, p. 26-27)

Empidonax hammonfii in Pennsylvania (Auk, v. 85, no. 3, July 15, 1968, p. 512)

An early unrecorded European widgeon specimen from North Carolina (The Chat, v. 32, no. 3, Sep. 1968, p. 76-77)

Clutch sizes, hatchability rates, and sex ratios of sparrow hawks in eastern Pennsylvania (Wilson Bulletin, v. 80, no. 3, Sep. 1968, p. 306-311. Alexander C. Nagy, joint author)

Hammond's flycatcher in Pennsylvania (Pennsylvania Game News, v. 40, no. 3, Mar. 1969, p. 27)

The black vulture in Pennsylvania (Pennsylvania Game News, v. 40, no. 5, May 1969, p. 17-19)

Autumn birds of Bake Oven Knob (Cassinia, n. 51, 1969, p. 11-32)

Ornithology at the New Jersey State Museum (New Jersey Nature News, v. 25, no. 1, Mar. 1970, p. 21-23)

Peregrines and pesticides: the extinction of a species (Pennsylvania Game News, v. 41, no. 6, June 1970, p. 19-24. M. Edith Rutzmoser, lead author)

Wings over Hawk Mountain (National Wildlife, v. 8, no. 5, Aug/Sep 1970, p. 22-27)

Folder 5 - Periodical articles 1971-1973

An extraordinary autumn migration of white-breasted nuthatches (Wilson Bulletin, v. 83, no. 2, June 1971, p. 129-131. Robert MacClay, joint author)

The 1970 and 1971 autumn hawk counts at Bake Oven Knob, Pennsylvania (Cassinia, no. 53, 1972, p. 3-23. Robert MacClay, joint author)

The ospreys of Cedar Island (Frontiers, v. 36, no. 4, April 1972, p. 8-11)

Hawks across New Jersey (New Jersey Nature News, v. 27, no. 3, Sep. 1972, p. 100-104)

[Book reviews of 4 titles] (New Jersey Nature News, v. 27, no. 3, Sep. 1972, p. 119-120)

The importance of record keeping when watching hawk migrations (California Condor, no. 7, no. 4, 1972, b. 6-7)

A questionable swainson's hawk specimen from New Jersey (Cassinia, no. 54, 1973, p. 31)

The birder and ecological niche (Kingbird, v. 23, no. 4, Oct. 1973, p. 176-178)

Folder 6 - Periodical articles 1974-1979

The gannets of Bonaventure Island (Frontiers, v. 38, no. 3, Spring 1974, p. 18-21)

Bird survey on Aves Island (Explorers Journal, v. 54, no. 2, June 1976, p. 65)

Autumn hawk migrations (Hawk Trust Annual Report, 1976, p. 37-43. Reprinted from Explorers Journal, Sep. 1975))

A national inventory of hawk migration lookouts. (Birding, v. 9, no. 2, 1977, p. 57-58)

Flock sizes of migrating Canada geese in eastern Pennsylvania in autumn (Cassinia, no. 57, 1979, p. 25. Robert MacClay, joint author)

Folder 7 - Periodical articles 1980-1985 and American Hawkwatcher copyright correspondence

Some recent raptor conservation efforts in Pennsylvania (Sierra Club Pennsylvania Chapter Newsletter, special issue, Apr. 1980, p. 1, 3, 6)

Diurnal raptors in Amazonia: general observations in the Amazon River basin (Explorers Journal, v. 59, no. 3, Sep. 1981, p. 122-123)

The 1979, 1980, and 1981 autumn hawk counts at Bake Oven Knob, Pennsylvania (Cassinia, no. 59, Feb. 1982, p. 62-64. Barry Reed, joint author)

Daily rhythms of migrating golden eagles and bald eagles in autumn at Bake Oven Knob, Pennsylvania (Cassinia, no. 59, Feb. 1982, p. 65-67)

Hours of observation at Bake Oven Knob, Pennsylvania hawk lookout (1957-1981) (Cassinia, no. 59, Feb. 1982, p. 78)

Comments on the white-footed goose in Lehigh County, Pennsylvania (Cassinia, no. 59, Feb. 1982, p. 80)

More autumn bird records from Bake Oven Knob, Pennsylvania (1976-1981) (Cassinia, no. 56, Feb. 1982, p. 85)

American Hawkwatcher correspondence about an ISSN and Library of Congress deposit requirements for the periodical, first issue Aug. 1982 [periodical located in Periodicals Collection]

How about hawk watching? (Ranger Rick's Nature Magazine, v. 16, no. 10, Oct. 1982, p. 6-10. Also typewritten manuscript and correspondence with magazine)

Bear Rocks: comments on a name. (Keystone Trails Association Newsletter, Spring 1984, Response to article about Bear Rocks in Winter issue)

The Strange case of Hawk Mountain's petrel (Bird Watcher's Digest, v. 8, no. 1, 1985, p. 41-45. typewritten manuscript, but no copy of magazine article)

Folder 8 - Periodical articles 1986-2012

The Importance of using native plants in small stopover habitats (Wild Ones Journal, v. 13, no. 5, Sep/Oct 2000, p. 1-2)

Watching tundra swans in Pennsylvania (Susquehanna Life, v. 10, issue4, Winter 2003, p. 26-17)

Tundra swan protection in Pennsylvania (Action Line, issue CXXV, Summer 2004, p. 12-13)

Wind farms and animals (Action Line, issue CXXX, Fall 2005, p. 28-29)

Wind farms and animals (News from the Mews, v. 9, issue 3, Winter 2005, p. 1, 3)

Spotlight on squirrels (Action Line, issue CXXXIII, Summer 2006, p. 10-11)

The cormorant wars (Action Line, issue CXXXIV, Fall 2006, p. 22-23)

Industrial windplants pose threat to ridgetop forest wildlife (The Gnatcatcher: Newsletter of the Juniata Valley Audubon, v. 38, no. 5, Sep/Oct 2006, p. 8-9)

A Brief history of the Bake Oven hawk watch (The Hearthstone, Spring 2009, p. 24-29)

Walnut tree (Action Line, issue CLIII, Wnter 2011-2012, p. 11-12)

Raptors are all around us (Action Line, issue CLIII, Winter 2011-2012, p. 29-32)

The eagles and the jets (Action Line, issue CLVI, Autumn 2012, p. 31-33)

Folder 9 - *Naturalist's Niche* newspaper columns and correspondence with newspaper (Patriot, Kutztown, PA, 1998-2000)

1998, all page 2: *Birders have own language* (Mar. 12); *Get to know the opossum; Penna.'s unique marsupial* (Apr. 30); *'Mimic thrushes' enhance our environment* (May 28); *Learn about nature from American robin* (June 18); *Vultures: nature's mobile sanitation crew* (July 30); *Hawk watching sites abundant locally* (Aug. 27); *The Red-backed vole unique to Blue Mountain area* (Sep. 24); *Mountain ash berries provide food for wildlife* (Oct. 15); *Red and gray foxes are fascinating eastern PA. predators* (Nov. 19); *Wildlife and nature books make excellent stocking stuffers* (Dec. 18)

1999, all page 2: *Reading 'sign' can be vital to the study of wildlife* (Jan. 21); *Ruby-throated hummingbird always a treat to see* (Feb. 18); *Migrating tundra swans a*

March spectacle (Mar. 18); *Waterfowl have interesting habits for bird watchers to observe* (Apr. 15); *Spring wildflowers add color and beauty to landscape* (May 6, p. 2, 8); *A Housewife's study of sparrows produced ornithological landmark* (May 20); *Black rail discovery in Albany Township sparks local interest in secretive species* (June 3); *Wood thrushes are Pennsylvania woodland flutists* (July 15); *Multiflora rose: the plant that went astray* (July 29); *Migrating ospreys are spectacular birding attractions* (Aug. 19); *September is broad-winged hawk season* ((Sep. 16); *Silhouettes help birders identify some birds* (Sep. 30); *Musk rats are common wetland residents* (Oct. 21); *Landscape clearing wrecks landscape islands, corridors and stopover habitats, threatening many species our area* (Nov. 18); *Christmas tip: books enhance nature study for naturalists on your shopping list*; *Black Guillemot observed at Lake Ontelaunee* (Dec. 16, p. 2, 8); *Sad by true: extinction of a species is forever* (Dec. 30)

2000, all page 2: *Great horned owls begin nesting during winter* (Jan. 20); *Diving ducks and mergansers are underwater feeders* (Feb. 17); *Immunocontraception technology is at the cutting edge of modern wildlife management* (Mar. 16); *Turning your lawn into a wildlife-friendly backyard habitat for songbirds, etc.* (Mar. 30); *Wood warblers are colorful spring arrivals* (Apr. 20); *Bird watching can be an adventurous and rewarding hobby* (May 18); *Poisonous plants are common and varied* (June 15); *Nature photography is an enjoyable hobby* (June 29); *Everything you ever wanted to know about owls* (July 20); *Ecuador's Galapagos Islands offer a unique wildlife paradise adventure for nature lovers* (Aug. 17, p. 2, 4); *Maurice Broun: 'the father of hawk watching'* (Aug. 31, p. 2,4); *Postcard collecting adds a dimension to birding* (Sep. 21, p. 2, 5); *Chipmunks: charming little mammals* (Oct. 26, p. 2, 3); *Education about raptor protection continues* (Nov. 16, p. 2, 4); *Flycatcher sighting* (Dec. 7)

Folder 10 - *Naturalist's Niche* newspaper columns (Northwestern Press, 1998-2002) [columns that are duplicates of Patriot articles are not listed here; most columns illustrated with DSH's photographs]

1998 – *Watching winter waterfowl is a great outdoor activity* (Feb. 19); *Bats are amazing and unique mammals* (Sep. 21-27, 1998, p. A-20)

1999 - *Sightings of other rails in the area* (May 31, p. 2); *Hawk Mountain nature study enhances the festive outdoor holiday season* (Dec. 13-19, p. A-5 & 6)

2000 - *Some march ducks are wetland surface feeders* (Jan. 31-Feb.6); *American chestnuts were keystone species* (Oct. 23-29, p. A-8); *Christmas is bird-counting, book-giving season* (Dec. 11-17, 2000, p. 12)

2001 - *Preserving history by creating a birding resume* (Apr 16-22, p. 7); *Enjoying spring wildflowers in backyard habitats and afield* (May 7-13, p. 23); *Historic Bartram's garden: witness to the birth of American botany, horticulture, ornithology and the nation* (June 4-10, p. 19); *Ferns add elegance, beauty to area backyard habitats* (June 18-24, p. 24); *Eagle identification is birder's challenge* (Sep 3-9, p. A-20); *October is outdoor safari time for enjoying nature's colorful wonders* (Oct 1-7, p. 20)

2002 - *Looking at Pennsylvania's rich amphibian, reptile fauna* (Jan 28-Feb 3, p. 20); *Velodrome barns offer unique look at history* (Feb. 11-17, p. 16); *Insects are important garden inhabitants* (Feb 28-Mar 3, p. 8); *Roadside raptor surveys continue in Heidelberg* (June 27, p. A4);

Folder 11 - Newspaper articles, 1998-2002 (many with DSH photographs)

Hawk watch: outstanding lookouts & opportunities abound (Northwestern Press, Aug 10-16, 1998, p. 13, 25)

A gallery of native mammals (Northwestern Press, Oct 19-25, 1998, p. A-13, B-8)

Adventures in Antarctica (Northwestern Press, Nov 16-22, 1998, p. 11, 28 and Nov 23-29, 1998, p. 13, 14)

Proposal for hawk and owl hunting season rejected (Northwestern Press, March 1-7, 1999, p. 1)

Rare bird discovery in Kempton sparks local interest in black rails (Northwestern Press, May 24-30, 1999, p. 1-2)

Adventures in the Galapagos Islands (Northwestern Press, Apr 26-May 3, 1999, p. 11, 20 and May 3-9, 1999, p. A-13, B2, B3)

Non-native plants encroach on state's natural flora (Northwestern Press, July 5-11, 1999, p. 13 and July 12-18, 1999, p. 13-14)

Open fires banned in state game lands and forests: outdoor activities hampered by drought (Northwestern Press, Jul 26-Aug 1, 1999, p. 11)

Heidelberg beavers beat the heat and drought (Northwestern Press, Aug. 9-15, 1999, p. 2)

Peregrine falcon removed from endangered species list (Northwestern Press,, Aug. 23-29, 1999, p. 2)

Peregrine falcon removed from endangered species list by U.S. Fish and Wildlife Service (Patriot, Kutztown, PA, Aug. 26, 1999)

Ornithologists are puzzled about mysterious arrival of W. Nile virus (Northwestern Press, Oct. 4-10, 1999, p. 2)

The Covered bridges of Berks County (Bux-Mont Newspapers, Boyertown, PA, 2000 tourist vacation visitors' guide supplement May 17-18, 2000, p. 33)

Now is prime mountain laurel time (Patriot, Kutztown, PA, June 15, 2000, p. 3)

Now is prime mountain laurel viewing time (Northwestern Press, June 19-25, 2000, p. 1)

Memories of an organic gardening photographer: East Penn Publishing naturalist recalls days at Rodale Press (Northwestern Press, July 17-23, 2000, p. 13)

Gov. Ridge proclaims Hawk Watching Week (Northwestern Press, Aug 7-13, 2000, p. 14)

New Hammond's flycatcher sighting confirms East Penn Publishing writer's Dec. 23, 1966 record (Northwestern Press, Dec. 4-10, 2000, p. 6)

Major disaster averted in South Bethlehem (Northwestern Press, July 2-8, 2001, p. 5)

Mentoring begins passing the torch to a new generation (Northwestern Press, Jul 30-Aug 5, 2001, p. 23, with 2DSH photos)

Game Preserve log house now being dismantled (Northwestern Press, Sep. 10-16, 2001, p. 6)

Valley raptor researchers receive worldwide support from colleagues following terrorist attacks on U.S. Northwestern Press, Sep 17-23, 2001, p. 5)

Feed the birds ... safely (American profile in East Penn Press, Oct. 7-13, 2001, unpagged)

Hawk Fest has them flocking to Bake Oven Knob celebration (Northwestern Press, Oct. 29-Nov. 4, 2001, p. 8)

Valley health-care professionals plan for bio, chemical, nuclear disasters (Northwestern Press, Nov. 19-25, 2001 p. 5)

Task force to examine impact of sanitation on photographic supplies, other mailed items (Northwestern Press, Nov. 26-Dec. 2, 2001, p. 7)

515 Cedarbrook residents evacuated after electrical fire (Northwestern Press, Dec. 17-23, 2001, p. 1, 6)

Roadside raptor surveys continue in Heidelberg (Parkland Press, June 27, 2002, p. 4)
Raptor flyway deserves broad protections (Morning Call, Aug. 22, 2007)
Natural treasure deserves federal recognition (Morning Call, Apr. 2, 2009)

Folder 12 - Letters to the editor

Kestrels and killer whales (Globe-Times, Bethlehem, PA, March 15, 1982; about role of Alex Nagy in kestrel research 1959-1996 and killer whales)

Raptor research for Kittatinny Ridge (Morning Call, Aug. 11, 2002, p. A24; DHS states that he conceived of Kittatinny Ridge project 10 years before Pennsylvania Audubon)

Series 12 - Unpublished material - arranged chronologically (the same arrangement as series 9 above except no publicity)

Box 47 **12.1 Whale Watcher's Illustrated Dictionary** (about 1981; in 1982/3 this proposed book was expanded to become chapter 9 of Whale Watching, see 12.2 below)

Folder 1 - Typewritten manuscript, 91 p., photo captions, permission letters,
November 1980-April 1982

Folder 2 - Photographs/illustrations intended to be used in book (approx. 83 b&w glossy,
1 colored, 1 illustration, all but 8 photos from other sources)

12.2 Whale Watching (original date of 1983 crossed out and 1986 substituted)

Folder 1 - Typewritten manuscript, p. title page-135

Folder 2 - Typewritten manuscript, p. 136-297, index, photocopies of illustrations,
captions, correspondence, 1983

12.3 Hawkman: A Wildlife Odyssey and Hawkwatcher: A Wildlife Odyssey (This book was begun as early as 1979; the earlier version was originally written in 1983, but the copyright page was changed to 1985 for a later submission to a publisher. The later version, dated 2004, covers his life until 2002)

Folder 1 - Correspondence, 1979-2001 (with various publishers: Winchester, Universe,
Consolidated Amethyst Communications, Natural Heritage, Prentice-Hall,
Stackpole, Capra, Univ. of California Press)

Folder 2 - 1985 typewritten manuscript, title page-173

Box 48 Folder 3 - 1985 typewritten manuscript, p. 174-325

Folder 4 - 1985 typewritten manuscript, p. 326-417, index, photo captions

Folder 5 - 2004 typewritten manuscript, p. i-142

Folder 6 - 2004 typewritten manuscript, p. 143-285

12.4 The Global Ark (manuscript dated 1984)

Folder 1 - Typewritten manuscript, title page-175

Box 49 Folder 2 - Typewritten manuscript, p. 176-349

Folder 3 - Typewritten manuscript, p. 350-521

Box 50 Folder 4 - Typewritten manuscript, p. 522-676

Folder 5 - Permissions, 1990 publisher rejection from Rutgers

12.5 The Birdwatcher's Second Activity Book (about 1984)

Folder 1 - Typewritten manuscript, 163 p.

Folder 2 - Permissions - 2 letters, 1984

12.6 War and Wildlife: Effects of Military Activities on Wildlife and the Environment (1991)

Folder 1 - Computer printed manuscript, 146 p.

Folder 2 - Book publisher proposal and letter to Capra Press, 1991

12.7 McGraw-Hill Encyclopedia of North American Birding (c1998)

Folder 1 – Publishing proposal. Includes background information, proposal, outline of encyclopedia, sample subject write-up, DSH professional background, marketing ideas, 36 p.

12.8 A Field Guide to Swans of the World (about 2010)

Folder 1 - Correspondence about proposed book, 2010

Loose research material

Box 51

12.8 Pamphlets, articles, etc.

Folder 1 - *Bird islands at sea* (1981, 7 typewritten pages); *Birds that see with their ears* (about oilbirds, 1982, 1 typewritten page, submitted to Ranger Rick's Nature Magazine); *A Birdwatcher's hall of fame* (undated, 6 typewritten pages);

Series 13 - Motion pictures, slide shows, presentations, lectures, courses, workshops, etc.

13.1 Motion picture presentations (16 mm)

Cans 1-3 - Antillean Adventures - lecture copy (2 reels in 2 cans) and archival copy (2 reels in 1 can)

Cans 4-6 - Eastern Birds for the Millions - lecture copy (2 reels in 2 cans) and archival copy (2 reels in 1 can)

Cans 7-8 - Hawks, Owls, and Wildlife - lecture copy (2 reels in 2 cans)

Cans 9-12 Serengeti Safari - lecture copy (2 reels in 2 cans) and archival copy (4 reels in 2 cans)

Box 52

13. 2 Presentations, lectures, workshops, courses

Folder 1 - Records of presentations

Destination Wildlife (Philadelphia Academy of Natural Science, Feb.26, 1961); Sparrow hawk nest evolution (Delaware Valley Ornithological Club, Dec. 5, 1963); North American Hawk Migration Conference, Syracuse, NY, Apr. 18-21, 1974; Predation ecology (lecture and slide show at Hawk Mountain, Sep. 24, 1966; certificates of thanks from Explorers Club for lectures Serengeti Safari, Mar. 6, 1975, and Journey to the Amazon, Dec. 3, 1976; Pennsylvania Raptor Conference brochure, June 14, 1980 (DSH moderated panel discussion); Audubon Wildlife Films promotional materials; DSH lists of presentations with dates, locations, and fees

Folder 2 - Carbon-Lehigh Intermediate Unit - agreements for teacher workshops, 1979-2002

Folder 3 - Carbon-Lehigh Intermediate Unit, 1979-2000 - correspondence, course proposals, course catalogs, expense vouchers, etc.; includes proposals for courses not accepted

Folder 4 - Carbon-Lehigh Intermediate Unit, 2001-2005 - correspondence, course proposals, course catalogs, expense vouchers, etc.; includes proposals for courses not accepted

Folder 5 - Carbon-Lehigh Intermediate Unit course preparation materials - CLIU manual for in-service programs, 1978; Pennsylvania Department of Education academic standards and course writer's manual, 2000-2001; Professional education online course for IU consultants, 2001

Folder 6 - Colonial Northampton Intermediate Unit - correspondence, course proposals, contracts, IU course catalog, class list for 2 courses taught in 1986: Biology, Ecology, and Conservation for Elementary and Secondary Teachers and World Wildlife Conservation for Elementary and Secondary Teachers

Series 14 - Published photographs (includes BGT and OG) [Note that published photographs are also found in DSH's books, pamphlets, and articles]

Folder 1 - Audubon Nature Bulletin, series 18, no. 4, July 1958, series 27, no. 1, Oct. 1958, series 30, no. 2, Oct. 1962; Connecticut camp brochure, 1959

Folder 2 - Bethlehem Globe Times clippings (4) and list of Organic Gardening cover photographs, 1958-1967

Folder 3 - Miscellaneous publications (some not identified), including New York Times, Dec. 23, 1959; Allentown newspapers; York, PA, newspaper; Atlantic Naturalist, v. 34, 1981, p. 19; Northwestern Press, 1999-2001; east Penn Press, 1999; Action Line, Fall 2002, p. 26

Folder 4 - Reader's Digest correspondence, 1972, 1980, 1981, 1987, for use of photos

Folder 5 - National Wildlife Federation/Ranger Rick correspondence, 1981-1992

Series 15 - Slides, photographs, and negatives (the work of DSH) - arranged by subject, species, location where taken, date taken

15.1 Slides (35 mm mounted in cardboard)

Animals

- Box 53** Box 1 – Animals other than birds - approximately 580 color slides, with titles, undated –
Mammals – bat, beavers, cats, cattle, chipmunks, deer, elk, foxes, gazelles, opossums, otters, porcupines, raccoons, skunks, squirrels, voles, wolves, woodrat droppings
Fish, reptiles, amphibians – alligators, fish, frogs, newts, salamanders, snakes, toads, turtles
Arthropods – barnacles, crabs, insects, millipedes
Mollusks – snails
Invertebrates – bryozoa, sponges, sea urchin
Algae, fungi, fossils
- Box 54** Box 2 – Water birds (except geese and swans) - approximately 340 color slides, with titles, US and international locations, 1957-2008 -- albatross, auks (razorbill), cormorants, ducks (baldpates, pintails, shovelers, wigeons), egrets, gallinules (coots), gannets, guillemots, gulls, herons, ibis, oystercatchers, pelicans, petrels, plovers, puffins, sanderlings, sandpipers, skimmers, soras, storks, terns, turnstones, waterfowl, unidentified
- Box 55** Box 3 - Geese - approximately 500 color slides, with titles, 1960-2005 -- predominantly Canada and snow geese
- Box 56** Box 4 - Swans - approximately 660 color slides, with titles, 1997-2005 – predominantly mute, trumpeter, and tundra swans
- Box 57** Box 5 – Game birds and poultry - approximately 31 color slides, with titles, 1964-2004 – doves, peacocks, pheasants, pigeons, rooster, turkeys
Land birds - approximately 180 color slides, with titles, Pennsylvania, 1957-2005 – blackbirds, bluebirds and nests, bunting, cardinals, catbirds, chickadees,

cowbirds, creeper, crows and ravens, finches, flycatchers, grackles, grosbeaks, hummingbirds, jays, juncos, macaws, martins, nuthatches, orioles, ovenbirds, robins, sparrows, starlings, swallows and nests, tanagers, thrashers, titmouse, towhees, vireos, waxwings, woodpeckers (sapsuckers), extinct birds (Carolina parakeet, heath hen), unidentified (birds on wires, at feeders)

Box 58 Box 6 - Raptors - approximately 560 color slides, with titles, 1958-2004 – raptor identification slides; condors, eagles, hawks, osprey, vultures, unidentified

Box 59 Box 7 - Raptors - approximately 220 color slides, with titles, 1958-2004 – falcons, kestrels, owls; slides used in Manual for Bird Watching & Hawks and Owls of North America, 21 slides

Plants

Box 60 Box 8 - Trees - approximately 360 color slides, with titles, 1998-1999 with a few earlier and later dates – apple, beech, birch, buckthorn, catalpa, cedar, cherry, chestnut, hemlock, hickory, larch, locust, maple, oak, paulownia, pine, sassafras, silk, spruce, sycamore, tulip, walnut, willow; burls; forest fire; unidentified trees

Box 61 Box 9 - Shrubs - approximately 600 color slides, with titles, mostly 1998-1999, many undated -- autumn olive, bamboo, barberry, bittersweet, blackberry, blueberry, butterfly bush, buttonbush, corn, crabapple, dogwood, elderberry, euonymus, firethorn, forsythia, grape, greenbrier, hawthorn, holly, honeysuckle, ivy, laurel, lilac, magnolia, mountain ash, multiflora rose, pumpkin, raspberry, shadbush?, spicebush, sumac, viburnum, Virginia creeper, virgin's bower, winterberry, yarrow, yew; unidentified

Box 62 Box 10 - Wildflowers - approximately 400 color slides, with titles, 1960s, 1998-2001, many undated – arrowhead, Jerusalem artichoke, aster, azalea, bachelor button, bee balm, bindweed, black-eyed Susan, bladderwort, bloodroot, bluet, butterfly weed, calla, Canada bead, cardinal, cattail, celandine, chicory, Chinese lantern, clematis, clover, columbine, cone flower, coreopsis, cornflower, cosmos, cranberry, crosswort, crown vetch, dame's rocket, dandelion, Devil's paint brush, dogwood, dragonhead, dragon's mouth [arethusa bulbosa], Dutchman's breeches, ferns, fleabane, garlic mustard, ginger, glasswort, goldenrod, grasses (cotton and blue-eyed), hardhack, harebell, hepatica, hibiscus, hollyhock, hydrangea, hyssop, impatiens, Indian blanket, Indian pipe, iris

Box 63 Box 11 - Wildflowers - approximately 600 color slides, with titles, 1960s, 1998-2001, many undated – jack-in-the-pulpit, jewelweed, Labrador tea, lady-slipper, laurel, lichens, lily, loosestrife, lupine, mallow, marigold and zinnia, May apple, milkweed, mustard, old man's beard, orchid, petunia, pickerelweed, pitcher plant, pokeberry, polygala, Queen Anne's lace, rose, sedum, skunk cabbage, Solomon's seal, soybeans, spatterdock, strawberry, sundew, sunflower, thistle down, thistle, trillium, trumpet vine, vinca, violets, water lily, yam, wildflower gardens, unidentified (about 95)

Box 64 Box 12 - Autumn leaves - approximately 245 color slides, with titles, primarily 1998-2004 -- Lehigh County, Poconos, and surrounding areas

Backyard Habitat - approximately 280 color slides, with titles, eastern PA locations – Boyer (Allentown); Byrne (Dublin, PA); Jones (Allentown); Koch (Raubsville); Leahy (New Tripoli); Van Gelder (Ashfield); gardens; bird feeders, bird houses; scarecrows

Urban Wildlife Course Slide Show – 40 slides – Allentown and vicinity

Scenic and Cultural

Box 65 Box 13 – Blue Mountain (Kittatinny Ridge and Raptor Corridor) from Schuylkill Gap east to Bake Oven Knob (Bake Oven Knob is in Box 69) - approximately 340 color slides, with titles, 1992-2004 with some older slides dating back to 1960s; slides arranged from west to

east along the mountain, with views looking at the mountain, scenic views from the mountain, or features on the mountain; includes Hawk Mt.

Box 66

Box 14 – Blue Mountain (Kittatinny Ridge and Raptor Corridor) at Bake Oven Knob – approximately 650 slides, 1950s-2000s - views of the knob, views from the knob, hawk watching, and hiking; Bake Oven Knob Hawkfest, 2001-2004

Box 67

Box 15 – Blue Mountain (Kittatinny Ridge and Raptor Corridor) from Lehigh Furnace Gap to Delaware Water Gap – approximately 300 color slides, with titles, 1992-2004, with a few earlier; slides arranged from west to east with views looking at mountain, scenic views from the mountain, and features along the ridge; includes Lehigh Gap and LGNC

Box 68

Box 16 – Lehigh County – approximately 830 color slides, with titles, 1960-2005; see boxes 13-15 for Blue Mountain; Jordan Creek and Valley; Lichtenwalner Farm, 1961; rural and winter scenes, location not specified; Bittenbender Log Cabin

Allentown – Lake Muhlenberg; Little Lehigh Creek; Lehigh Parkway; Trexler Park; West Park; Corporate Plaza; Green St.; Hunter's Cabin; Trout Hall; Muhlenberg College commencement, 1965
Emmaus – 1803 House; Emmaus Moravian Church; Shelter House; Emmaus Farmers' Market; Emmaus Heritage Days, 2004
Heidelberg Twp. – rural scenes and land development; Bull Head; Mill Creek; Wessner Wetlands; Germansville School; Handwerk House; Heidelberg Cemetery

Box 69

Box 17 – Lehigh County (continued) approximately 680 slides, mostly 1990s-2004

Lower Macungie – East Texas land development
Lower Milford Twp. - Hosensack
Lowhill Twp. – Game Lands 205; Mill Creek; land development
Lynn Twp. – Donat's Peak; Leaser Lake; Rt. 309, Mountain Road, New Tripoli; Deer Park Spring Water Plant; Northwestern Lehigh Middle School; rural scenes; land development; Mosserville Log Cabin; New Tripoli Bank; Zeisloff Log Cabin; old school; old mill near New Tripoli; stone arch bridge; Wanamaker's General Store
Macungie – Halloween decorations
North Whitehall – farmland near Neffs; Log House, Game Preserve, Schniecksville
Salisbury Twp. - South Mountain Preserve
Slatington – Fireman Statue; Main Street; Wildlife Information Center Office
South Whitehall Twp. – Wehr's Dam; drought scenes; Ecology sign
Upper Macungie Twp. – Fogelsville developments
Upper Milford Twp. – Zionsville; Grace Evangelical Congregational Church, Powder Valley; Zion's Evangelical Lutheran Church, Old Zionsville; Native American Day, 2004
Walnutport – Locktender's House
Washington Twp. – slate quarry and slate waste piles; Lehigh Furnace; Mazeppa Farm
Weisenberg – rural scenes; Adam Bair Log Cabin; Weisenberg Church
Whitehall Twp. – scenes; Troxell-Steckel House
Unidentified – probably Lehigh County

Box 70

Box 18 – Adjacent Counties – approximately 470 color slides, mostly 1990s-2004

Berks County – Bethel Township; Lake Ontelaunee; Middle Creek WMA; Rt. 183 Hawk Lookout; State Hill Lookout; Virginville; rural scenes; Berks County Heritage Center, Wyomissing; Daniel Boone Homestead, Birdsboro; John DeTurk House,

Oley; Long's Mill; New Bethel Union Church, Albany Twp.; Pine Forge; WK&S Railroad, Kempton; Kutztown Folk festival, 2003
 Bucks County – Uhlerstown; land development
 Carbon County – Aquashicola Creek; Ashfield; Chestnut Ridge; Flagstaff; Lehigh River and Gorge; Lizard Creek; Quarry in East Penn Twp.; Stony Ridge; Dinkey Memorial Church, East Penn Twp

- Box 71** Box 19 - Adjacent Counties (continued) – approximately 260 slides, mostly 1990s-2004
 Monroe County - Tannersville Bog; Pocono Mts. scenes
 Montgomery County - Green Lane Reservoir; Militia Hill Hawk Lookout, Fort Washington; Mill Grove, Audubon
 Northampton County – Bethlehem; Lake Minsi; Mary's Mountain Estates, Pen Argyl; South Mountain Lookout, Lehigh University; Historic Bethlehem
 Schuylkill County – farm produce stand, Orwigsburg; West Penn Twp.; Dreher'sville Church; New Ringgold; Hegins Pigeon Shoot, 1991 and dead birds from mass shootings
- Box 72** Box 20 - Pennsylvania Barns and Hex Signs - approximately 640 color slides, with titles, 2000-2002 -- eastern PA locations
- Box 73** Box 21 - Covered Bridges - approximately 540 color slides, with titles, 1999-2004 -- Berks, Bucks, Carbon, Lehigh, Monroe, Northampton, Lancaster Counties, PA and Sergeantsville, NJ; Kriedersville Covered Bridge Festival, 2002
- Box 74** Box 22 - Other Pennsylvania counties, New Jersey, New York – approximately 480 color slides
 Chester County – Valley Forge
 Lancaster County – Hans Herr House, Willow Street
 Lebanon County - Second Mt., Fort Indiantown Gap
 Perry County - Waggoner's Gap
 Philadelphia - Bartram Mansion; Tinicum Wildlife Refuge
 Pike County – Promised Land State Park
 Pennsylvania – northern PA; Susquehanna River
 New Jersey – Avalon; Barnegat Light; Bearfort Fire Tower; Brigantine NWR; Cape May Point; Catfish Fire Tower; Island Beach State Park; Montclair; Raccoon Ridge; Scott's Mountain Hawk Lookout, Phillipsburg; Sunrise Mt.; swamp
 New York – Fort Ticonderoga; New York harbor; Shawangunk Ridge;
- Box 75** Box 23 – Other US and Canada locations (except Acadia NP) – approximately 560 color slides
 Virginia and North Carolina – Blue Ridge Parkway, about 18 slides; Shenandoah National Park
 Florida – Corkscrew Sanctuary; Everglades; Key Deer NWR, about 150 slides
 New England – Green Mountains, VT; Mt. Washington, NH; Maine coast; [see Box 72 for Acadia NP]
 Quebec – Pierced Rock, Perce
 Minnesota – Hawk Ridge
 California – various locations
 Other - sunrise and sunset scenes; unidentified
- Box 76** Box 24 – Acadia National Park, Maine - about 300 slides
- Box 77** **Recycling and People**
 Box 25 - Recycling - approximately 170 color slides, mostly unlabeled, 1971
 People - approximately 100 color slides, with titles, many undated -- Tom Armentano; Maurice Broun; Flora May Fritzges and Richard Gemmel; Roy Frock; Joyce Gilmore; Alan Grout, Charles Leck, and Carl Oplinger; Paul Grout; Ted Hake; Steve Harty; Joe Jacobs;

Charles Leck; Kerry Lynott; Bob and Anna MacClay; Ed Manners and Joe Jacobs; Don Marushak, Ari Mittelman; Robert Cushman Murphy; Alex Nagy; Brooke Pennypack; Ed Reed; George Reynard; Bill Sladen; Liz Tully; Don Turner; Tineke and Wim van Gelder Fred Wetzel; Student Ecology 2001 (Kerry Lynott, Ari Mittelman, Liz Tully)
 Miscellaneous – DSH title slide; equipment 1965; at work with microscope 1966;
 Audubon bird call; images from 2 publications, 1999; exhibit and book views, 2000

International

- Box 78** Box 26 - East African Birds - approximately 400 color slides, with titles, 1972
Box 79 Box 27 - East African Mammals - approximately 560 color slides, with titles, 1972
Box 80 Box 28 - Trinidad and Tobago - approximately 520 color slides, with titles, 1967
 Martinique - 12 slides, Dec 1974
 Bermuda – 23 slides, Jan 1975 – with David Wingate
Box 81 Box 29 - Amazon - approximately 575 color slides, with titles, 1974-1975
Box 82 Box 30- Amazon and Islands - approximately 540 color slides, with titles, 1974-1975
Box 83 Box 31 - Ecuador and Peru - approximately 330 color slides, with titles, 1975 (about 135 from Ecuador, about 195 from Peru)
Box 84 Box 32 - Galapagos - approximately 620 color slides, with titles, 1974-1975
Box 85 Box 33 - Galapagos - approximately 460 color slides, with titles, 1974-1975
Box 86 Box 34 - Falkland Islands and Tierra Del Fuego - approximately 480 color slides, with titles, 1975
 (about 405 from Falkland Islands, about 75 from Tierra del Fuego),
Box 87 Box 35 - South Georgia - approximately 580 color slides, with titles, 1975
Box 88 Box 36 - Antarctica - approximately 340 color slides, with titles, 1975-1976
Box 89 Box 37 - Antarctica - approximately 580 color slides, with titles, 1975-1976

15.2 Photographs

- Box 90** Box 1 - Blue Mountain and rural Lehigh County - 62 color photos, 4 x 6 in., undated (views toward the mountain with rural landscape and wildflowers)
 [note: all but 6 photos removed to digitize photos]
Box 91 Box 2 - Middle Creek Wildlife Management Area and tundra swans - 112 color photos, 4 x 6 in., 2002 -- visitor center and grounds, people watching swans, swans
 [note: box removed to digitize photos]
Box 92 Box 3 - Barns and covered bridges
 [note: box removed to digitize photos]
Box 93 Box 4 – Black and white photos, mostly 8 x 10 and 7 x 8.5 inches, most undated –
 44 photos of birds - albatross, blue jay, bluebird, bobwhite, catbird, cowbird. ducks, eagle, flycatcher, fulmer, gannet, geese, grosbeak, gull, heron, hummingbird and nest, mallard, merganser, oilbird, osprey and nest with Joe Jacobs, penguins, petrel, plover, robin, roller, sandpiper, sparrow, starling, vulture with Ted Hake, woodpecker, woodthrush, dead birds
 6 photos of birders - Bake Oven Knob, Bear Rocks. Anne MacClay, Robert MacClay\
 4 photos of animals - opossum, snake, squirrel
 1 photo of Rio Para, Brazil
 Folder 1 - Whistling swan, 1979, matted, 11 x 14 inches, signed; birds in flight at Ancon Hill, Panama, undated, 11 x 14 inches [in paper folder]

15.3 Negatives

- Box 94** Box 1 – Bake Oven Knob – approximately 330 b&w, 1978-1987 – includes cicadas and litter

Lake Muhlenberg, Trexler Game Preserve, Philadelphia Zoo – approximately 70 b&w,
1977-1978 –

15.4 Motion picture film

Box 95

Birds, Mammals – b&w, 16 mm on 7 inch reels in canisters; description from can lids and sides

1. Birds of prey film opening scenes, deer – 150 ft., 24 frames/sec.
2. Goshawk and young at nest - 150 ft.
3. Goshawk, cooper hawk, peregrine falcon, pileated woodpecker, valley scenes – 60 ft.
4. Kestrel #1 – 350 ft.
5. Kestrel #2, 12 day old young in nest, etc. – 50 ft.
6. Broadwing hawk adult male – 75 ft., 24 frames/sec
7. Red-shouldered hawk #1, nest, eggs, young, old birds – 200 ft., 24 frames/sec
8. Red-shouldered hawk #2, young in nest – 250 ft.
9. Osprey – June 1959, 200 ft., 24 frames/sec
10. Turkey vulture, nest, egg, young, location shots, etc., old birds in flight – 125 ft., 24 frames/sec
11. Peregrine falconry with meng – original, 225 ft., 24 frames/sec
12. Falconry – print, duplicate – 225 ft.
13. Barn owl – 340 ft., 24 frames/sec
14. Screech owl, gray phase, autumn – 80 ft., 24 frames/sec
15. Long-eared owl – 100 ft., 24 frames/sec
16. Great horned owl, nest, eggs, adult bird on nest – 325 ft., 24 frames/sec
17. Elk, autumn – 350 ft., 24 frames/sec, single perf
18. White tail deer, winter – 290 ft.
19. Bison, spring – 100 ft., 24 frames/sec
20. Raccoon, autumn – 100 ft., 24 frames/sec
21. Gray squirrel and miscellaneous birds – 240 ft., 24frames/sec
22. Brigantine, winter scenes, muskrat, duck, etc. – 100 ft.

Birds - b&w, 16 mm on 3 3/4 inch reels in cardboard boxes, description from boxes

1. Immature turkey vulture, broad-wing hawk, sharp-shinned hawk – Nov. 1960
2. Red-tail hawk – poor quality – Nov. 1960
3. Hawks, American egret – Nov. 1960
4. Sharpie, scenes – Nov. 1960
5. Extra falconry material and Dr. Heinz Merg[?] – Mar. 1960
6. Saw-whet owl – poor shots – Dec. 1960
7. Saw-whet owl – excellent shots – Dec. 1960
8. Bald eagle, copperhead – Feb 1961
9. Bald eagle, immature, close ups of head; saw-whet owl – excellent shots – Mar. 1960
10. Redwing female at nest, barn swallows at nest, rough-winged swallow location shot – all excellent, sound
11. American egrets, ruddy turnstems, laughing gulls – 16 frames/sec, 1958
12. American egret – Sep 1959
13. Purple finch – Feb 1959
14. Cardinal, male – Dec 1958
15. Tufted titmouse – Dec. 1958
16. Junco – Jan 1957

17. Raven eggs – Jan 1960
18. Canada geese, some turkey – no good pictures – Dec. 1959
19. Hooded merganser; moon – Mar. 1959
20. Mallards with young; wildflowers – May 1967
21. Birds at spring – July 1959
22. Birds at spring: catbirds, yellowthroat, robin, field sparrow, Baltimore oriole, etc.
– shot at 30 frames/sec – Ma.r 1959
23. Baltimore oriole, female; crested flycatcher; immature big-billed gull – excellent –
Nov. 1961
24. Chickadee, titmouse, cardinal – Feb 1959
25. Junco, chickadee, myrtle warbler, downy – Feb. 1959
26. Pink ?????
27. Virginia bluebells, showy orchid; cardinal, female, in spring at Fox Lake – May
1959
28. Barn owl location shots with D???? Nagy – Nov. 1959
29. Birds of prey extra scenes, location shots; horned owl – Sep. 1958
30. Moon shots – Nov. 1958
31. Kermadec petrel at Hawk Mt., 1959 – 2 copies of film in box

Box 96

Birds - b&w, 16 mm on 7 inch reels in canisters; description from can lids and sides
(numbering continued from previous box)

23. Raven – 150 ft.
24. American merganser, female, winter – 180 ft., 24 frames/sec
25. Hooded merganser, in winter – 80 ft. (in blue can)
26. Red-breasted merganser, winter – 90 ft.
27. Mallards, fall – 100 ft., 24 frames/sec
28. Pintail duck, winter – 50 ft., sound speed
29. Western tanager – 90 ft.
30. Cardinal, male and female, winter – 75 ft., sound speed
31. Juncos, winter – 60ft., sound speed
32. Trinidad scenes, edited (can lid); peregrine falcon (can side) - 125 ft.
33. Downy woodpecker – two 3 3/4 reels in 7 inch can

Scenes - b&w, 16 mm on 3 3/4 inch reels in cardboard boxes, description from boxes
(numbering continued from previous box)

32. Autumn scenes: Pinnacle shots, Hawk Mt. from farm & Bake Oven shots – Oct
1958, 16 frames/sec
33. Autumn scenes – Oct 1958, 16 frames/sec
34. Autumn scenes in Vermont. To be used as a lead to autumn PA. Scenes which
will lead t o the fall Hawk migration at Hawk Mt. To be used only for Birds of
prey movie. Oct 1958, 16 frames/sec.
35. Autumn – one good scene of people at lookout. Oct 1958, 16 frames/sec.
36. Hawk Mt. entrance scenes. Birds in flight. 1958?, 16 frames/sec.
37. Ted Hake and DSH birding and using hawk photography blind on north side of
Bake Oven. 1958, q6 frames/sec
38. Trinidad flag. Churchill-Roosevelt Rd. [n.d.]
39. Little Tobago. [n.d.]
40. Tobago – Speyside. Osprey shot. [n.d.]
41. Little Tobago. [n.d.]

No labels – two 10 1/2 inch reels; one 7 inch reel; sixteen 3 3/4 inch reels

15.5 VHS tape

- 1 Pennsylvania Raptor Conference, 1987. Full tape. Approx. 120 min.

Box 97

Series 16 - Conservation and civic activities

16.1 Proclamations

- Folder 1 – Lehigh of film County Raptor Migration Area, 1978 - press release, resolution, 2 newspaper articles
- Folder 2 - National Hawk Watching Week - correspondence to establish a national week, 1979
- Folder 3 - State Hawk Watching Proclamations - Connecticut, 1983; Minnesota, 1983-1986; New Hampshire, 1983; New York, 1983; Pennsylvania, 1979-1985; West Virginia, 1982-1984; Wisconsin, 1983-1984 [oversize folder located after box xx on shelf]
- Folder 4 - Tundra Swan Watching Week - Pennsylvania, 2010; Gary Blockus column in Morning Call, Feb. 2, 2010

16.2 Robin Hood Nature Center, 1968-1969

- Folder 1 - Newspaper articles - Morning Call, Aug.-Sep. 1968
- Folder 2 - Proposal (14 p., July 1968) and correspondence, July-Oct. 1968 (69 letters)
- Folder 3 - Steering committee - Report, Nov. 1968; correspondence and termination of project, Oct. 1968-July 1969

16.3 Trexler Dam, 1976-1977

- Folder 1 - Corps of Engineers press release and information for public meeting, 1976
- Folder 2 - Corps of Engineers Final Environmental Impact Statement, 1973 and letter from DSH objecting to statement
- Folder 3 - Corps of Engineers Final Supplement to Final Environmental Impact Statement, 1975
- Folder 4 - City of Allentown Water Quality Investigation of the Jordan Creek Watershed, by Jeffrey J. Everett, Dec. 1976 (42 p.)
- Folder 5 - Joint Planning Commission brochure, question and answer sheets, water supply alternatives, and chronology of Trexler Lake project, 1974-1976
- Folder 6 - Allentown-Lehigh County Chamber of Commerce letter seeking support for dam, 1977
- Folder 7 - Allentown Community of Neighborhood Organizations meeting on dam, 1977
- Folder 8 - Corps of Engineers information workshop and public hearing, 1977; correspondence with elected officials related to attendance at meeting
- Folder 9 - DSH testimony at public hearing, April 1977
- Folder 10 - DSH's *Terrestrial Wildlife Report*, Feb. 1977 (42 p., half correspondence) and draft
- Folder 11 - Correspondence relating to preparation of report, Jan-Feb. 1977 (33 people)
- Folder 12 - Post Office correspondence related to anonymous crank mail and undelivered mail, Jan.-March 1977
- Folder 13 - Letter to elected officials asking them to oppose the dam, 1976-1977
- Folder 14 - Reports by DSH for Northwestern Lehigh Citizens Coalition on chemical pollution and wildlife and vascular flora (2 p. each) and 3 letters about vascular flora, Jan.-March 1977
- Folder 15 - Lehigh Valley Environmental Federation newsletter with comments by Sanford T. Beldon about Trexler Dam

Box 98

Folder 16 - Newspaper clippings, primarily Lehigh Valley papers, 1976-1977
Folder 17 - Research materials - studies, reports, letters, mostly by federal agencies

16.4 Campaign for Tundra Swan Appreciation and Protection in Pennsylvania, 2002

Folder 1 - Action plan prepared by DSH, March 2002 (42 p.); Advisory Committee members list, Aug. 2002; Meeting agenda, Oct. 2002; public service notice

16.5 Flying M Aerodrome, 2005-2006

Folder 1 - Economic impact of Flying M; maps; airport grants; letters, newspaper articles, 2005-2006

Box 99

16.6 Wildlife and Wind Energy Conference, 2006

Folder 1 - Conference program and publicity
Folder 2 - Conference presenters
Folder 3 - Kutztown University arrangements
Folder 4 - Pennsylvania Game Commission policy, March 2006, and 2 letters
Folder 5 - Newspaper articles on wind energy; US GAO report on wind power impacts on wildlife, Sep. 2005; agenda for Wildlife Friendly Wind Power, Toledo, OH, June 2006

16.7 Raptor Corridor Project, 2008-2009

Folder 1 - Conservation Plan for the Kittatinny Ridge in Pennsylvania, Dec. 2006 (38 p.)
Folder 2 - Meeting agendas, 2008; working group members; correspondence, 5 emails; summit proposal, 2009
Folder 3 - Proposals for designation of Kittatinny-Shawangunk Raptor Migration Corridor - 3 drafts, Dec. 2007-May 2008
Folder 4 - Petition for designation of a Kittatinny-Shawangunk National Raptor Migration Corridor, 2009 (viii, 87 p. plus 253 endorsement letters) spiral bound
Folder 5 - Legal questions, 2008-2009, and endorsement letters received too late for inclusion in the submitted petition for designation, Aug. 2010
Folder 6 - Publicity - WIC information sheet (4 p.); newspaper and magazine coverage
Folder 7 - Computer disc with Petition and accompanying photos, June 2009
Folder 8 - Research material - newspaper articles, studies, National Historic Lookout Register, property rights, pamphlets, bibliography
Folder 9 - Research material - National Register sites in Sussex and Warren Counties, NJ, June 2008
Folder 10 - Research material - National Register sites in Orange, Sullivan, and Ulster Counties, NY, June 2008
Folder 11 - Research material - National Register sites in Berks, Cumberland, Dauphin, Franklin, Lebanon, Monroe, Perry, and Schuylkill Counties, PA, June 2008
Folder 12 - Research material - Mohunk Preserve and Shawangunk Ridge Biodiversity Partnership, NY - brochures and letter, 2008
Folder 13 - Research material - *Status and management of fisher (Martes Pennanti) in Pennsylvania, 2008-2017*, by Matthew J. Lovallo, PGC, 2008 (40 p. printed from Internet)
Folder 14 - Letters of endorsement, originals, pt. 1 (in same order as in petition)
Folder 15 - Letters of endorsement, originals, pt. 2 (in same order as in petition)

Box 100

- **16.8 Susquehanna-Roseland Power Line, 2010**
Folder 1 - DSH testimony at Aug. 2010 hearing (6 p.)

Box 101 16.9 Lehigh County Log Cabin Trail, 2007-2010

- Folder 1 - Committee Meeting Agendas and Members, 2007-2008
- Folder 2 - Correspondence
- Folder 3 - News releases
- Folder 4 - Publicity
- Folder 5 - Original sketches and photos of cabins
- Folder 6 - Lehigh County Log Cabin Trail brochure
- Folder 7 - Lists of log structures, owners, interview questions, and local historical societies
- Folder 8 - Handwritten notes by DSH and Greg Huber
- Folder 9 - Reference material - mostly photocopies from local histories, web searches, and local brochures
- Folder 10 - Owner permission letters
- Folder 11 - Letters of support/endorsement
- Folder 12 - Eagle Scout project - Chris Jones
- Folder 13 - Log Cabin Society of Michigan - correspondence, newsletters, tours

Box 102 Series 17 - Equipment, supplies used by DSH (in large box)

- Photographic - Nikkormat camera with Tamron SP lens and instruction manual; 2 Kodak Model A dark room lamps, with extra filter; 4 film developing canisters, assorted sizes (3 Nikor Products, Springfield, MA, 1 Simmon Omega, Japan); Kodak tank and tray thermometer (in envelope); General Electric Type T-48 interval timer, 120 seconds; Industrial Timer Corporation Signaling Time-O-Lite Model S-49, 60 minutes, Newark, NJ
- Field Work - Covered metal clipboard with observation sheets, bird silhouettes, low altitude aircraft flight data sheets, and Skyguard brochure; Thelson counter; Dwyer wind meter in case with instructions, Michigan City, IN; K E slide rule in case
- On shelves next to box: Roller-Smith balance in case and spotting scope mounted on wooden gun stock

Prepared by:
Barbara L. Wiemann
October 9, 2017
Latest Rev. Oct. 22, 2024

Collection 3
Ann Rehrig
1 box

***Guide to Eastern Ferns*, by Edgar T. Wherry. 2nd ed., rev. and enl. Lancaster, PA : Science Press, 1942.**

Inside front cover label: Mrs. Clair Rehrig, 124 N. 4th St., Lehighton

Handwritten front fly leaf inscription: "With the compliments of Edgar T. Wherry"

Occasional handwritten notes in book by Rehrig

***Wild Flower Guide: Northeastern and Midland United States*, by Edgar T. Wherry. Garden City, N.Y. : Doubleday & Company, Inc., 1948.**

Inside front cover label: Mrs. Clair Rehrig, 124 N. 4th St., Lehighton

Three handwritten front fly leaf inscriptions:

"With compliments of Edgar T. Wherry"

"Died May 1982 age 92" [written above the previous entry in a different hand, likely by Rehrig]

Three names and addresses for people in Texas, Florida, and New York City written below the first entry [possibly friends of Rehrig?]

Handwritten notes throughout the book

***North American Wildlife*, edited by Susan J. Wernert. Pleasantville, N.Y., Reader's Digest Association, 1984, c1982.**

Dried flower between pages 410-411

Bookmarks between pages 402-403, 492-493, and 504-505

1 Loose-leaf Binder

Approximately 6 x 9 inches, with lined note paper and 2 empty photo sleeves.

Most of the pages are not used. 21 pages contain handwritten lists of species observed at various locations, 1975-1979, 1981, 1985.

Prepared by:
Barbara L. Wiemann
October 30, 2014

Collection 4
Lehigh Gap Area Material
2 Boxes, 1 Tube and 2 Oversize Folders

Note: More material can be found in other collections, especially Collection 5 (Marilyn Jordan) and Collection 7 (Roy Christman).

Box 1

Series 4.1 Lehigh Gap Area

Folder 1 - Plants and Animals

Notes on the Summer Birds of Lehigh Gap, Pennsylvania, by James A. G. Rehn
(photocopy from Cassinia, 1903, v. VII, p. 11-16)
An Eighty Year Comparison of Bird Species Utilization at Lehigh Gap, Pennsylvania, by
Barry Paul Reed (typewritten, 23 p., research in fulfillment of Masters degree at
East Stroudsburg University, 1983)
Lehigh Gap ecological assessment listing bird species and counts and bird checklist
(compiled c2009)

Folder 2 - Palmerton

Under Barren Hills of Gray, by Mark C. Urban, c1999 (15 p., computer printed)

Folder 3 - New Jersey Zinc Company

NJZ Logo from the 1950s (Horse Head)
New Jersey Zinc Company, Palmerton, PA: case study 5.2 (Environmental Science,
c1985, p. 98-102, with student questions)
Horsehead Industries, Inc. – printout from websute, March 18, 2002
Newspaper articles from Times News (April 4, Aug. 20, 2002; Feb. 5, 2004; undated,
c2005)

Folder 4 - Lehigh River and Gap area

Carbon County Assessor's Office Property Ownership Identification Maps, no. 30 and 42,
Jan 2000 [land near Lehigh Gap]
US Geological Survey map of Carbon County 1:24000 scale, rev. 1991
US Geological Survey quadrangle maps. 7.5 minute series maps: Lehighton, 1960, rev.
1970; Palmerton, 1960, rev.1970; Pohopoco Mountain, 1960, rev. 1970.
1:62,500 scale Lehighton Quadrangle, 1922. (4 maps rolled in tube 1)
US Geological Survey quadrangle maps. Parts of 8 quad maps ITamaqua, Nesquehoning,
Lehighton, Palmerton, New Ringgold, New Tripoli, Slatedale and Cementon)
combined into 1 map. Mytopo.com, 2005. 1 map, 24 x 36 in. Shows the
Kittatinny Ridge from Little Gap to Tri-County Corner) rolled in tube 1)
Topographical Map of the Kittatinny or Blue Mountain East and West of the Gap of the
Schuylkill River at Port Clinton. Geological Survey of Pennsylvania, 1891. 33 x
26 in. (rolled in tube 1 with explanatory sheet by Nancy Keeler, 1993).
Delaware River Basin, Lehigh River Watershed, and Lehigh Gap maps; with facts about
the Lehigh River
Lehigh River timber crib dam removal (Palmerton Dam) – letter and clippings about
project, 2004

Folder 5 – PA Turnpike Tunnel Bypass Plan, 1985 (see Library Collection for Feasibility Study)

1986, Jan. 22 – letter from PA Turnpike Commission to Slatington, informing them that
the Commission will build a second tunnel and the Tunnel Bypass is rejected

2003 – A Saving Grace for Lehigh Gap, by Paul Schubert, a detailed 14 page history of the opposition to the Turnpike Tunnel Bypass plan

Series 4.2 Environment

Folder 1 - Soil and Plants

- Simplification of the Blue Mountain Lichen Communities Near a Zinc Factory, by Thomas H. Nash III (Hydrologist, v. 75, p. 315-324, 1972)
- Contamination of Soil and Vegetation Near a Zinc Smelter by Zinc, Cadmium, Copper and Lead, by Marilyn J. Buchauer (Environmental Science and Technology, v. 7, no. 2, Feb. 1973)
- Effects of Zinc Smelter Emissions and Fire on a Chestnut-Oak Woodland, by Marilyn J. Jordan (Ecology, v. 56, p. 78-88, 1975)
- Effects of Zinc-Smelter Emissions on Forest Soil Microflora, by Jordan and Lechevalier (Canadian Journal of Microbiology, v. 21, p. 1855-1865, 1975)
- Lichens as Indicators of Air Pollution, by Thomas H. Nash III (Naturwissenschaften, v. 63, p. 364-367, 1976)
- Impact of Zinc Smelter Emission on Forest Litter Arthropods, by Carl Strojan (Oikos, v. 31, p. 41-46, 1978)
- Forest Leaf Litter Decomposition in the Vicinity of a Zinc Smelter, by Carl Strojan (Oecologia, v. 32, p. 203-212, 1978)
- Zinc Toxicity in Corn as a Result of a Geochemical Anomaly, by Judith A. Rosen and others (Plant and Soil, v. 50, p. 151-159, 1978)
- The Smoke that Settled Over Palmerton, by Nelson Beyer (New Jersey Audubon, v. 9, no. 3, p. 14-16, 1983)
- Damage to the Forest Ecosystem on Blue Mountain from Zinc Smelting, by W. Nelson Beyer (Trace Substances in Environmental Health, v. XXII, p. 249-262, 1988)
- Ecotoxicological Damage from Zinc Smelting at Palmerton, Pennsylvania, by Beyer and Storm (Handbook of Ecotoxicology, p. 596-608, 1995)
- Palmerton Region Soil Study, Environmental Geology Class Group Project, by Kurt Frieauf (Kutztown University, 2003 (3 p., computer printed)
- Changes in the Optical Properties of Dissolved Organic Carbon during Canopy Interaction and Shallow Soil Infiltration, Palmerton, PA, by MaryBeth Lyons (senior honors thesis for Dept. of Earth and Environmental Sciences, Lehigh University, May 2014, 54 p., computer printed)

Folder 2 - Animals and Man

- Uptake of Cadmium, Zinc, Lead, and Copper by Earthworms near a Zinc-smelting Complex: Influence of Soil pH and Organic Matter, by Edelman, Beersum, and Jans (Bulletin of Environmental Contamination and Toxicology, v. 30, p. 424-427, 1983)
- Lung Cancer in Relation to Environmental Pollutants Emitted from Industrial Sources, by Linda Morris Brown and others (Environmental Research, v. 34, p. 250-261, 1984)
- Metal Contamination in Wildlife Living Near Two Zinc Smelters, by W. Nelson Beyer and others (Environmental Pollution, Series A, v. 38, p. 63-86, 1985)
- Heavy Metals in White-Tailed Deer Living Near a Zinc Smelter in Pennsylvania, by Sileo and Beyer (Journal of Wildlife Diseases, v. 21, no. 3, p. 289-296, 1985)

Analysis: Lead and the Central Nervous System (ILZRO Environmental Update, v. 1, no. 7, 6 p., July 1991)

Health Effects from Soil and Dust Contamination: Position Paper (Zinc Corporation of America, Horsehead Resource Development Co., c1991, 4 p.)

Assessment of Aquatic Animal Communities in the Vicinity of the Palmerton, Pennsylvania, Zinc Smelters, by Carline and Jobsis (Environmental Toxicology and Chemistry, v. 12, p. 1661-1670, 1993)

Vertebrate Abundance and Wildlife Habitat Suitability near the Palmerton Zinc Smelters, Pennsylvania, by Gerald L. Storm and others (Archives of Environmental Contamination and Toxicology, v. 25, p. 428-437, 1993)

Persistence of Metals in Soil and Selected Vertebrates in the Vicinity of the Palmerton Zinc Smelters, by G. L. Storm and others (Journal of Environmental Quality, v. 23, p. 508-514, 1994)

Cellular mechanisms for heavy metal detoxification and tolerance, by J. L. Hall (Journal of Experimental Botany, v. 53, no. 368, p.1-11, Jan. 2002)

[Metals risk to hikers and trail workers along the Appalachian Trail on Superfund Site], email by Dawn A. Ioven, EPA toxicologist, to Charlie Root, May 16, 2006

Series 4.3 Super Fund Site and Remediation

Folder 1 - Environmental Protection Agency

EPA Superfund Record of Decision: Palmerton Zinc Pile, EPA ID PA D002395887 OU 1, Palmerton, PA 09/04/1987 (19 p.)

Palmerton, PA: A Study in Superfund Deficiencies, by Mark Christopher Urban, c1998-1999 (15 p., computer printed)

Folder 2 - Remediation Efforts

Remediation of Metals - Contaminated Site Near a Zinc Smelter Using Sludge/Fly Ash Amendments: Herbaceous Species, by John A. Oyler (Trace Substances in Environmental Health, 1988, v. XXII, p. 306-320)

Remediation of Metals - Contaminated Site Near a Zinc Smelter Using Sludge/Fly Ash Amendments, by John A. Oyler (Proceedings of the 44th Industrial Waste Conference, May 9-11, 1989, p. 75-82)

Factors Contributing to Defoliation and Efforts to Revegetate Blue Mountain in the Vicinity of Palmerton, Pennsylvania (3 p., computer printed, c1989)

Reclaiming Blue Mountain: The Greening of a "Biological Desert" in Palmerton, Pennsylvania, USA (Ecologia Newsletter Archive, #3, Jan. 1990)

Palmerton Zinc Site (EPA, Jan. 1992, 6 p. information and community questionnaire)

Carbon County, Pennsylvania, Reclamation of Palmerton Superfund Site (Biosolids Success Stories, Water Environment Federation, 2000, p. 167-178)

Reseeding Could Close Part of Appalachian Trail (Morning Call, Sept. 26, 2000)

Clean Up Times: Palmerton Citizens for a Clean Environment (v. 13, no. 2, summer 2003)

Letter, Palmerton Citizens for a Clean Environment, Sept. 16, 2003 remediation concerns

Innovative Organic Amendments Continue to Stabilize Slopes at Smelter Site, by Charlie Root (EPA Technology News and Trends, issue 26, p. 1-2, Oct. 2006)

CBS Trail Guard Schedule, March-April 2008

Newspaper clippings, various sources, 1990s-2003

Box 2

Series 4.4 Photographs

Folder 1 - General Views of Lehigh Gap area (arranged chronologically)

- 1900s – view of wooded gap and view of village of Lehigh Gap
- 1906 – view of gap looking north, showing dam for canal, chain link bridge, towpath, and paint mill
- Before 1911 – view of gap looking south, from east side, with Jersey Central tracks, road under tracks, canal and chain bridge
- c1921 – 8 people on top of Bear Rocks with 2004 letter from Wilbur Albright identifying people
- c1932 – view of new state highway bridge with chain link bridge in background, taken from east side looking south; from Ndws Publishing Co. calendar
- Undated – aerial view of gap with Palmerton and view of gap looking north, from road on east side of gap
- Undated – Pulpit Rock (photocopy of page from book)
- 1942 – view of flood in Lehigh Gap, with Tatra Inn and bridge over Aquashicola Creek
- Undated - view of building in Lehigh Gap with road bridge in background
- Undated – view of cantilever highway and train moving thru the Gap, color
- 1950s? – two views of gap, looking north, showing road, buildings, and L&NE bridge with trains on bridge
- 1950 and 1993 – two views of gap, from north looking south (1993 view is an aerial photo)
- Undated – 2 views of gap looking south, taken from same spot, one before the cantilever and one after the cantilever was built
- Undated – view of Gap, Marshall mansion, sand quarry, taken from east side looking north, color, from Sunday Call-Chronicle
- 1983 August – views of gap and mountain, taken from roof top looking south
- 1984 September – view of mountain, taken from north looking south
- 1984 October – view of gap, town, and mountain taken from sand quarry
- 1985 January – views of East Plant pollution and mountain above Palmerton
- 1985 June – view of gap from north looking south
- 1987? – view of gap from north looking south and view of East Plant, town and mountain looking east
- 1987 July – view of gap from northeast looking over Palmerton and view of Marshall's Hill from Rt. 248
- 1990 Nov – view of gap and mountain looking south; on verso of photo "taken below Yonduras farm in home"
- 1990s? – 5 views (3 sheets) of gap views (4 taken from L&NE road bed on east side and one from near Palmerton)
- 1991 March -2 views of East Plant and town looking north from top of Blue Mt.
- 1992 October – 4 views (2 sheets) taken from Marshall's Hill
- 1997 - view of gap and northern slope of Blue Mt taken from north looking south
- 1997 – views of gap and mountain, looking south, probably taken from Stony Ridge
- 2002 October – views of west side of gap
- Undated – winter view of gap from north, with cantilever and Devil's Pulpit, by Francis Payonk (postcard and larger image from Pencor advertisement)
- Undated view of Blue Mountain from Gap to first tower, looking north
- 2005, Aug 24 view of Blue Mountain covering from Gap to near Lehigh Furnace Gap, looking south (rolled panorama in tube 1)

2006 Sep.21 view of Blue Mountain covering from Gap to near Lehigh Furnace Gap,
looking south (rolled panorama in tube 1)
2007 June 23 view of Blue Mountain covering from Gap to near Lehigh Furnace Gap,
looking south (rolled panoramain tube 1)

Folder 2 - Roads and Canal

Before May 1926 – Chain Link Bridge with wooden towers
1925? -photocopy of photo taken from village of Lehigh Gap, looking south, showing
Aquashicola aqueduct, canal boat basin, buildings, L&NE bridge and road
through gap and small photo of same views (attributed to Mankas)
Undated after 1912 – views of canal in operation with aqueduct
1962 – aerial view of new cantilever highway and views of interchange with West Plant
and town

Folder 3 - Railroads in the Gap

Undated newspaper photo – L&NE bridge with steam engine no. 402
Undated – view of L&NE bridge looking east from west end
Undated – view of diesel freight train on L&NE bridge, looking east from west end (1
regular and 1 oversize)
Undated – view of L&NE bridge with engine and caboose on bridge, looking north with
road, village of Lehigh Gap and Marshall's Hill visible
Undated – one view of L&NE bridge, perhaps from Devil's Pulpit and two views of trains
on LVRR tracks after 1967
1988 August – 12 photos (6 sheets) of L&NE right of way at east end of bridge
exit of Rt. 248)
Undated – Conrail train heading south through Gap, with domes of church in
background, color
Undated (between 1967-1984) – LVRR freight heading south of gap with view of houses
on west side (now Osprey House) [oversize next to box 2]

Folder 4 - New Jersey Zinc Company and Palmerton

1950 (circa) – view of West Plant
Undated(perhaps 1970s?) – color photos of zinc plant taken from Blue Mountain and
black and white ground level views (15 3x5 inch color, 8 3x4 inch b&W in 3
sleeves with note signed "Mickey" – Mickey Henning)
Undatd (perhaps 1960s?) – photos of trash ,1 photo may be construction of Rt.248 thru
Lehigh Gap (12 b&w, 3x5 in. in 1 sleeve, by Mickey Henning)
Undated (perhaps1960s?) - photos of News Jersey Zinc facilities (9 b&w,3x5in. in sleeve,
by Mickey Hernning)
Undated (perhaps 1970s?) – photos of Palmerton taken from Blue Mountain, 8 3x5 inch
color photos in 1 sleeve; photos by Mickey Henning)
1981 and 1984 – pollution from West Plant
1984 October – view of East Plant cinder back and mountain
1985 April and 1986 July – views of West Plant pollution
1985 June – West Plant in operation
1987 June – view of East Plant cinder bank and mountain, looking south, possibly from
Stony Ridge
1987 June – views of East Plant with mountain in background, from north looking south

1987 July – view of East Plant cinder bank

Folder 5 – Conservation

Undated – view of dead birds with shotguns propped against trees [Oversize beside box 2]

Series 4.5 Slides

Folder 1 – Appalachian Trail (trail; views from trail and side trails)

Sheet 1 - Dec. 1980 (6 slides); May 1981 (1 slide)
Sheet 2 – Dec. 1984 (8 slides including plants along trail)
Sheet 3 – Feb. 1994 (18 slides)
Sheet 4 – July 1996 (1 slide); Dec. 1996 (2 slides)
Sheet 5 – July 1997 (19 slides including Devil's Pulpit)
Sheet 6 – July 1997 (2 slides)
Sheet 7 – April 1998 (9 slides); July 1998 (3 slides including rattlesnake)
Sheet 8 – July 1999 (19 slides)

Series 4.6 – Realia

Folder 1 – Shotgun casings

Lehigh Gap Transportation Guide for Dating Photos

Roads - Dirt Road thru gap - 1746

Road Paved -

Road Straightened (Underpass removed) -

Four Lane Cantilever Built – 1962

Cantilever built 1958 (Morning Call 12/27/1990)

Bridges - Chain Bridge Built - 1826

Chain Bridge Damaged by Fire - May 1926

Chain Bridge Reopened with metal towers - June 1927

Road Bridge Built Across Lehigh River - September 1931

Chain Bridge Removed - 1934

Canal - Built - 1829

Closed - 1932

Railroads-Lehigh Valley RR on lower west side - 1855 LVRN tracks removed - 1984

New Jersey Central on lower east side - 1864

Chestnut Ridge RR on upper east side (connector to NJZ) - open 1900

Lehigh & New England trestle on upper west side to upper east side built 1911, opened July 1912; L&NE abandoned in 1961; L&NE Trestle over Lehigh River removed in September 1967

Prepared by:

Barbara L. Wiemann

May 7, 2018

Latest rev. July 3, 2024

Collection 5
Marilyn Jordan
5 boxes, rolled map, 4 boxes of slides, 24 publications,
sieve, framed photographs

Note: The collection in folders 1-35, photo albums 1 and 2, envelopes 1-20, and 4 slide boxes was organized and labeled by Jordan; her organization and labeling has been retained. The material in folders 36-49 was not in folders when donated and was arranged by LGNC.

Box 1 - Folders 1-15

Folder 1: Newspaper Articles - Research Heavy Metals

Varied Exploitation Has Hurt Area. [no source, but likely from Morning Call]. (includes photo of gap from east side Appalachian Trail looking southwest and photo of Marshall's Mansion)

Lehigh Water Gap Regarded as Long-Neglected Natural Wonder. Morning Call, Sep. 9, 1968.
(includes 2 photos of gap from east side looking north)

Big Zinc Strike Made in South; Test Data Indicate Its Potential, by Robert A. Wright. New York Times, 1969?

Effects of Air Pollution in Palmerton Area Are Studied in Research Project. Carbon County Times-News & Record (Lehigh, PA), July 17, 1969. (includes 3 photos of Jordan)

Blue Mountain Pollution Probe Begun; Researchers Check Air, Soil. Morning Call, July 18, 1969, p. 28. (article about Jordan's research)

Concourse to Hear About Pollution. Palmerton Post, Nov. 5, 1970. (announces presentation by Jordan to Concourse Club)

Pollution Ills 'Baffle' Palmerton's N.J. Zinc. Morning Call, Nov. 6, 1970, p. 40. (article about Jordan's presentation to Concourse Club and Zinc Co. perspective)

U.S. Waters Contain 7 Toxic Metals. New York Times, March 31, 1971.

Further Oyster-Cadmium Study Urged. New York Times, April 12, 1971.

3 Fish Caught Near A Battery Factory on the Hudson Contain Up to 1,000 Times Normal Cadmium. New York Times, June 13, 1971.

Lichens Like Life, But Shun Man as a Poison. Home News (New Brunswick, NJ). Sep. 29, 1971. (photocopy of article)

Folder 2: NJ Zinc - Emissions Inventory

NJZ operations, production, processes, materials inventory information; flow diagrams (hand drawn by Jordan) of East and West Plants; emission estimates; correspondence with J. Ord, J. F. Smith of NJZ, 1971

Folder 3: NJ Zinc - Correspondence & Data 1968-1973

Map of zinc content of stream sediment in Allentown-Bethlehem area, 1967; correspondence with J. F. Smith of NJZ and others, mainly 1968-1970

Folder 4: NJ Zinc 1977

Correspondence with NJZ officials; publications correspondence

The Grass is Greener on the Other Side of the Fence? Nope; In Palmerton, the Next Lawn May Be As Awful As Yours Thanks to the Zinc Fallout, by Daniel Machalaba. Wall Street Journal, April 18, 1977, p.1, 23 (newspaper clipping)

Folder 5: Zinc - Chemistry & Metallurgy

Zinc, Cadmium, and Mercury. Photocopy of p. 129-139 of Principles of Chemistry, by Joel H. Hildebrand and Richard E. Powell. 6th ed. New York, Macmillan Company, n.d.)
Handwritten notes from Encyclopedia of Chemical Reactions, by C. A. Jacobson, v. 8, 1959.
Zinc, edited by C. H. Mathewson. New York, Reinhold. Photocopy of selected pages.

Folder 6: Historical Information - Palmerton, PA

Letter from Jack McCormick, Waterloo Mills Field Research Station, Devon, PA (includes 1903 description of Gap by James A. G. Rehn; chestnut trees)
Notes on the Summer Birds of Lehigh Gap, by James A. G. Rehn (photocopy of article, includes list of birds)
History of Northampton, Lehigh, Monroe, Carbon and Schuylkill Counties, by I. Daniel Rupp. Harrisburg, Hickok and Cantine, 1845. Photocopy of p. 112-115, 226-227.
Silver Anniversary of the Founding of Palmerton, PA, 1898-1923 (photocopy of p. 61-65)
Golden Jubilee of the Incorporation of the Borough of Palmerton, Pennsylvania, 1912-1962. Photocopy of p. 72-73.
Guide to the Appalachian Trail from Connecticut-N.Y. State Line to Susquehanna River, PA. New York, NY-NJ Trail Conference, 1948 (handwritten; trail description Fox Gap to Wind Gap)

Folder 7: Poplar Plantings, 1972-1975

Report on Lehigh Gap Plantings (May 1976), by M. P. Lechevalier. Wakeman Institute of Microbiology, Rutgers University

Folder 8: Pennsylvania Topographical Maps & Self Adhesive Overlay

7.5 minute quadrangles: Palmerton, 1960; Palmerton, 1970; New Tripoli, 1956; New Ringgold, 1969; Kunkletown, 1960; Stroudsburg, 1955; Lehighton (partial photocopy) with fire data and notes)
Packet from T. J. Donahue Co. with information about mipofolie and folioplast self adhesive film

Folder 9: Ecology Paper - Environmental Science and Technology

Correspondence and illustrations related to Jordan's publications, 1973, 1975

Folder 10: Air Photography

Environmental System Corporation, Knoxville, TN (brochure about company's services)
Handwritten notes (1 p.) from The Uses of Air Photography, by J.K. St. Joseph, ed.
Color Photography for Oak Wilt Detection. Journal of Forestry, v. 61, no. 10, Oct. 1963
Identification of Tree Species on Large-Scale Panchromatic and Color Aerial Photographs, by Heller, Doverspike, and Aldrich. US Forest Service, 1964. Agricultural Handbook No. 261
Aerial Remote Sensing Research in Forestry, by Robert C. Heller. Proceedings, Society of American Foresters, Detroit, Michigan, 1965
Detection and Classification of Ash Dieback on Large-Scale Color Aerial Photographs, by Ralph J Croxton. US Forest Service, 1966
A Test With Large Scale Aerial Photographs to Sample Balsam Woolly Aphid Damage in the Northeast, by Heller, Lowe, Aldreich, Weber. Journal of Forestry, v. 65, no. 1, Jan. 1967
Remote Sensing of Water Pollution, by Leonard W. Ham. Journal, Water Pollution Control Federation, v. 40, no. 10, Oct. 1968
Airborne Surveillance of Air Pollution by Spectral Photography, by Paul Berry and Kenneth Markussen. Division of Air Resources, NY State Dept. of Health, Oct. 10, 1968 (with letter from author)
Letter from Jordan to Aero Service Corp., Philadelphia, Dec. 4, 1968 (inquiry about developing infrared aerial photography techniques to detect pollution, assess vegetation damage)
Untitled paper to be presented at the Annual Meeting of the Air Pollution Control Association, June 22-26, 1969 (technique for estimating tree damage from smog using aerial photography) with synopsis

Synopsis of previous research, identifying author as Robert N. Larsh, Durham, NC

Folder 11: Pollution - Smelter Studies

- Injury to Vegetation and Animal Life by Smelter Wastes, by J. K. Haywood. US Dept. of Agriculture Bureau of Chemistry Bulletin No. 113 rev., 1910
- Damage to Forests and Other Vegetation by Smoke, Ash and Fumes from Manufacturing Plants in Naugatuck Valley, Connecticut, by J. W. Toumey. Journal of Forestry, v. 19, 1921
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Folder 12: Soils and Heavy Metal

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- Zinc Status of New Jersey Soils, by Woltz, Toth, and Bear. Soil Science, v. 76, p. 115-122, 1953
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Heavy Metals: Fallout Around a Power Plant, by D. H. Klein and Philip Russell. Environmental
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Folder 13: Heavy Metals - Water, Air, Tissue

Abnormal Trace Metals in Man: Cadmium, by H. A. Schroeder and J. J. Balassa. Journal of
Chronic Diseases, v. 14, no. 2, p. 236-257, August 1961

"Psychogenic" Death: A Reappraisal, by G.V. Barrett and R. H. Franke. Science, v. 167, p. 304-
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Folder 14: Heavy Metals - Physiology, Bio Systems

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Folder 15: Arenaria

Torrey: Arenaria Patula in Pennsylvania, by Harold W. Pretz. Bulletin of the Torrey Botanical Club, v. 81, no. 5, p. 455-456, Sep. 1954

Two marked photocopies of topographical maps

Box 2: Folders 16-32

Folder 16: Winona Specht MS Thesis, 1973

The Effect of Heavy Metals Upon the Diversity and Abundance of Benthic Macroinvertebrates: A Thesis in Ecology, by Winona L. Specht. Pennsylvania State University, 1973 (includes letter, dated March 20, 1974, from Specht to Jordan; research conducted in Palmerton)

Folder 17: Marianne Burke

2 sheets charting soil pH, cation exchange capacity, and percent base saturation in 15 ridge sites between Harrisburg and NJ/NY line and sampling locations

Folder 18: Thomas Nash PhD Thesis, 1971

Effect of Effluents from a Zinc Factory on Lichens, by Thomas Nash III. Rutgers University, 1971

Folder 19: Hollace Cole MS Thesis, 1971

The Effect of Airborne Cement Kiln Dust on the Structure and Composition of Upland Vegetation in Warren County, New Jersey, by Hollace H. Cole. Rutgers University, 1971.

Folder 20: Carl Strojan PhD Thesis, 1975

The Ecological Impact of Zinc Smelter Pollution on Forest Soil Communities, by Carl L. Strojan (2 page abstract and p. 76)

Forest Leaf Litter Decomposition in the Vicinity of a Zinc Smelter, by Carl L. Strojan. *Oecologia*, v. 32, p. 203-212, 1978

The Impact of Zinc Smelter Emissions on Forest Litter Arthropods, by Carl L. Strojan. *Oikos*, v. 31, no. 1, p. 41-46, 1978.

Folder 21: Pennsylvania Soils, Geology, Misc.

9 maps showing soils and geology of area

map of Palmerton, 1929

Lafayette College Geology Club Field Trip, October 22, 1966 (includes Lehigh Gap geology)

Folder 22: PhD Research Contacts

3 pages of contacts

1978 letter from Duke University Press listing Jordan's share of fee for permission to reprint

Folder 23: Illinois - Depue

2 pages and 1 punch card with notes about Depue

map of Bureau County, Illinois with notes about Depue

Folder 24: Meteorology Data

1968 wind direction data for New Jersey Zinc Co.

Palmerton weather data, 1918-1966 (temperature, precipitation, relative humidity, barometric pressure)

Palmerton rainfall chart, 1918-1966

Folder 25: Fire [see also rolled topographic maps]

Topographic maps of Blue Mountain with hand drawn fire data (5 maps and duplicates)

7 pages of notes on fires on Blue Mountain

Folder 26: Jeffrey Lappin, 1970

The Distributional Response of a Natural Forest Ecosystem to Air and Soil Pollution, by Jeffrey Lappin. Rutgers, 1970 (4 pages)

1 pages of notes on tree species on Blue Mountain near Palmerton

Folder 27: Boyce Thompson Institute and APCA Reprints

Susceptibility of Plants to Hydrofluoric Acid and Sulfur Dioxide Gases, by P. W. Zimmerman and A. E. Hitchcock. Contributions from Boyce Thompson Institute, v. 18, no. 6, p. 263-279, Jan-Mar. 1956

The Histopathological Effects of Ozone on Plant Foliage, by Ledbetter, Zimmerman and Hitchcock. Contributions from Boyce Thompson Institute, v. 20, no. 4, p. 275-282, Oct.-Dec. 1959

Distribution Studies of Radioactive Fluorine-18 and Stable Fluorine-19 in Tomato Plants, by Ledbetter, Mavrodineanu, and Weiss. Contributions from Boyce Thompson Institute, v. 20, no. 5, p. 331-348, Jan.-Mar. 1960

Effects of Atmospheric Fluoride on Metabolic Constituents of Tomato and Bean Leaves, by L. H. Weinstein. Contributions from Boyce Thompson Institute, v. 21, no. 4, p. 225-231, Oct.-Dec. 1961

Results of Ten Year's Work (1951-1960) on the Effect of Fluorides on Gladiolus, by Hitchcock, Zimmerman, and Coe. Contributions from Boyce Thompson Institute, v. 21, no. 5, p. 303-344, Jan.-Mar. 1962

The Effect of Fluorides on Milo Maize (Sorghum SP.), by Hitchcock, Zimmerman and Coe. Contributions from Boyce Thompson Institute, v. 22, no. 4, p. 175-206, Oct.-Dec. 1963

A Semi-Automated Method for the Determination of Fluorine in Air and Plant Tissue, by Weinstein, Handl, McCune, Jacobson, and Hitchcock. Contributions from Boyce Thompson Institute, v. 22, no. 4, p. 207-220, Oct.-Dec. 1963

Fluoride Accumulation and Growth of Plants Exposed to Particulate Cryolite in the Atmosphere, by McCune, Hitchcock, Jacobson, and Weinstein. Contributions from Boyce Thompson Institute, v. 23, no. 1, p. 1-12, Jan.-Mar. 1965

Effect of Mineral Nutrition on the Growth and Sensitivity of Gadiolus to Hydrogen Fluoride, by McCune, Hitchcock, and Weinstein. Contributions from Boyce Thompson Institute, v. 23, no. 8, p. 295-300, Oct.-Dec. 1966

The Concept of Hidden Injury in Plants, by McCune, Weinstein, MacLean, and Jacobson. In Agriculture and the Quality of our Environment, ed. by N. C. Brady. Washington, DC, AAAS Publication 85, 1967, p. 33-44

Some Effects on Atmospheric Fluoride on Plant Metabolism, by McCune, Weinstein, Jacobson, and Hitchcock. APCA Journal, v. 14, no. 11, p. 465-468, Nov. 1964

Effects of Fluorine Compounds on Vegetation, with Special Reference to Sweet Corn, by Hitchcock, Weinstein, McCune and Jacobson. APCA Journal, v. 14, no. 12, p. 503-508, Dec. 1964

Studies on the Measurement of Fluoride in Air and Plant Tissues by the Willard-Winter and Semiautomated Methods, by Jacobson, McCune, Weinstein, Mandl, and Hitchcock. APCA Journal, v. 16, no. 7, p. 367-371, July 1966

The Acculation of Fluorine by Plants, by Jacobson, Weinstein, McCune, and Hitchcock. APCA Journal, v. 16, no. 8, p. 412-417, Aug. 1966

Folder 28: Air Pollution - Method

Sootfall and Dustfall Analysis (Photocopy of chap. 3, p. 36-45, from unknown book)

A Rapid Emission Survey Procedure for Industrial Air Pollutants, by Wohler, Jackson, and Butman. Journal of the Air Pollution Control Association, v. 19, no. 5, p. 309-314, May 1969

A Microscopic Classification of Settled Particulates Found in the Vicinity of a Coke-Making Operation, by R. A. Herric and L. G. Benedict. Journal of the Air Pollution Control Association, v. 19, no. 5, p. 325-328, May 1969

Field Evaluation of an Improved Sulfation Measurement System, by Huey, Waller and Robson. National Air Pollution Control Administration Paper No. 69-133

Folder 29: Air Pollution - General

Adaptive Strategy for Air Pollution, by Frederick Sargent II. BioScience, p. 691-697, 1967
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Folder 30: Meteorology, Climate, Air Pollution

The Importance of Several Meteorological Elements in the Spreading of Smoke, by R. D. Fletcher and N. E. Manos. Bulletin of the American Meteorological Society, v. 31, no. 10, p. 365-370, Dec. 1950

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An Atmospheric Scientist Views Environmental Pollution, by James P. Lodge Jr. Bulletin of the American Meteorological Society, v. 50, no. 7, p. 530-532, July 1969

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Folder 31: Sulfur and SO₂

Sulfur Content of Plants, by John Frazer. Plant Physiology, v. 10, p. 529-535, 1935

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Folder 32: Vegetation and Pollution

The Plant as an Index of Smoke Pollution, by Arthur G. Ruston. Annals of Applied Biology, v. 7, p. 390-402, 1921.

Observations on the Effect of Sulphur Dioxide on Native and Introduced Vegetation, by Arthur T. Evans. South Dakota Academy of Sciences Proceedings, v. 11, p. 27-32, 1926-1927.

The Use of Weeds as a Means of Evaluating Vegetation Damage Caused by Air Pollution, by H. M. Benedict and W. H. Breen. National Air Pollution Symposium Proceedings, v. 3, p. 170-190, 1955

Vegetation as a Measure Indicator of Air Pollution: Part 1. The Pine (Pinus-Taeda), by Bieberdorf, Shrewsbury, McKee, and Krough. Bulletin of the Torrey Botanical Club, v. 85, no. 3, p. 197-200, May 1958

Control of Processes Sensitive to Zinc in Plants and Microorganisms, by C. A. Price. Chapter 5 in Zinc Metabolism, comp. by Ananda S. Prasad. Springfield, IL, Charles C. Thomas, Publisher

A Method for Determining Quantitative Zinc Requirements for Growth, by C. A. Price and J. W. Quigley. Soil Science, v. 101, no. 1, p. 11-16, 1966

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- Electrical Generation of Natural Aerosols from Vegetation, by Birney R. Fish. *Science*, v. 175, p. 1239-1240, Mar. 17, 1972

Box 3: Folders 33-41, Photo Album 1

Folder 33: Heavy Metal Toxicity to Plants, 1926-1968

- Influence of Lead and the Metallic Ions of Copper, Zinc, Thorium, Beryllium and Thallium on the Germination of Seeds, by Walter J. Dilling. *Annals of Applied Biology*, v. 13, p. 160-167, 1926
- Über die Wirkung des Bleis auf das Pflanzenwachstum, von K. Scharrer und W. Schropp. *Z. Pflanzenernähr., Dungung u. Bodenk*, v. 43, p. 34-43, 1936
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- The Relation of Hydrogen-Ion Concentration to the Availability of Zinc in Soil, by Wreal L. Lott. *Soil Science Society of America Proceedings*, v. 3, p. 115-121, 1938
- An Investigation of the Effect of Zinc Sulphate on Plants, by Gwenda N. Davies. *Annals of Applied Biology*, v. 28, p. 821-84, 1941
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- The Poisoning of Plants by Zinc, by F. Knowles. *Agricultural Progress*, v. 20, p. 16-19. 1945
- Study of the Toxicity Symptoms of Eight Heavy Metals Upon Tomato Fruit, by Giddens, Hanna, and Tedrow. 1949 (1 page typed summary of findings)
- Effects of different Levels of Zinc and Phosphorus on the Growth of Subterranean Clover (*Trofolium Suberraneum* L.), by C. R. Millikan, *Australian Journal of Agriculture Research*, v. 14, no. 2, p. 180-205. [c1962]
- Cadmium Uptake by Vegetables from Superphosphate in Soil, by M. A. Schroeder & J. J. Balassa. *Science*, v. 140, p. 819-820, 1963?
- Dual Pattern of Ion Absorption by Plant Cells and by Plants, by Emanuel Epstein. *Nature*, v. 212, p. 1324-1327, Dec. 17, 1966
- The Localization of Zinc-65 in Germinating Corn Tissues, by Carmen Diez-Altares and Elemer Bornemisza. *Plant and Soil*, v. 26, no. 1, p. 175-188, Feb. 1967
- Response of Plant Species to Concentrations of Zinc in Solution. I. Growth and Zinc Content of Plants, by M. D. Carroll and J. F. Loneragan. *Australian Journal of Agriculture Research*, v. 19, p. 859-868, 1968

Folder 34: Heavy Metal Toxicity to Plants, 1970-1972

- Effect of inc on Translocation of Iron in Soybean Plants, by Ambler, Brown and Gauch. *Plant Physiology*, v. 46, p. 320-323, 1970
- Occurrence of Environmental Cadmium and Zinc, and Their Uptake by Plants, by J. V. Lagerwerff and A. W. Specht. Presented at 4th Annual Conference of Trace Substances in Environmental Health, Univ. of Missouri, June 22-25, 1970

- Lead Contamination of Roadside White Pine, by William H. Smith. *Forest Science*, v. 17, no. 2, p. 195-198, 1971
- Uptake of Cadmium, Lead and Zinc by Radish from Soil and Air, by J. V. Lagerwerff. *Soil Science*, v. 111, no. 2, p. 129-133, 1971
- Cadmium and Zinc Toxicity and Synergism to Floating Aquatic Plants, by T. C. Hutchinson and Halina Czyrska. *Water Pollution Research in Canada*, 1972 (incorporating the Proceedings of the Seventh Canadian Symposium on Water Pollution Research, p. 59-65
- The Occurrence of Lead, Cadmium Nickel, Vanadium, and Chloride in Soils and Vegetation of Toronto in Relation to Traffic Density, by T. C. Hutchinson. *International Conference of Automobile Pollution*, Toronto, June 1972
- Chemistry and Occurrence of Cadmium and Zinc in Surface Water and Groundwater, by John D. Hem. *Water Resources Research*, v. 8, no. 3, p. 661-679, June 1972
- Cadmium Absorption and Growth of Various Plant Species as Influence by Solution Cadmium Concentration, by Paige, Bingham, and Nelson. *Journal of Environmental Quality*, v. 1, no. 3, p. 288-291, July-Sep. 1972
- Accumulation of Metals in Spruce Needles and Needle Litter, by Ingvar Nilsson. *Oikos*, v. 23, no. 1, p. 132-136, 1972
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- Factors Affecting Plant Uptake and Phytotoxicity of Cadmium Added to Soils, by John, VanLaerhoven, and Chuah. *Environmental Science & Technology*, v. 6, p. 1005-1009, Nov. 1972

Folder 35: Heavy Metal Toxicity to Plants, 1973, 1997

- Cadmium Uptake by Plants, by F. Haghir. *Journal of Environmental Quality*, v. 2, no. 1, p. 93-6, Jan.-Mar. 1973
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- Lead Uptake of Selected Tree Seedlings, by Gary L. Rolfe. *Journal of Environmental Quality*, v. 2, no. 1, p. 153-157, Jan.-Mar. 1973
- Cadmium Content of Soybeans Grown in Sewage-Sludge Amended Soil, by Jones, Hinesly, and Ziegler. *Journal of Environmental Quality*, v. 2, no. 3, p. 351-353, July-Sep. 1973
- Heavy Metal Tolerance in Algae Isolated from Polluted Lakes Near the Sudbury, Ontario Smelters, by Stokes, Hutchinson, and Krauter. *Water Pollution Research in Canada*, 1973, 8th Annual Symposium, p. 178-201
- Heavy Metal Toxicity and Algal Bioassays, by T. C. Hutchinson and P. M. Stokers. Paper given at Water Quality Parameters Conference, Chemical Institute of Canada, Canada Centre for Inland Waters, Nov. 19-21, 1973
- Plants to the Rescue: Crops with Big Appetites for Certain Elements could be Key Players in Soil Cleanup, by A. Maureen Rouhi. *Chemical & Engineering News*, p. 21-23, Jan. 13, 1997

Folder 36: Thesis, 1971, p. 1-100

Folder 37: Thesis, 1971, p. 101-223

Folder 38: Thesis, 1971, p. 224-328

Folder 39: Thesis, 1971, Illustrations

Folder 40: Thesis, 1971, Photographs

- Effects of Zinc and Cadmium Pollution on Vegetation and Soils, by Marilyn Jordan Buchauer. Rutgers University, August 1971

Folder 41: Post Doctoral Work, Rutgers, 1972-1973

Application for fellowship; 2 acceptance letters; 1 page summary of address to Ecological Society of America Meetings, Amherst, Mass., June 17-22

Photo Album 1

Fungi of Blue Mountain, Pennsylvania: Genera Other Than Mortierella, Penicillium & Paecilomyces, 1972-1973. Approximately 80 photographs mounted on 20 pages in green coil bound and magnetic photo album. Cover title: Fungi

Box 4: Photo Album 2, Folders 42-48

Photo Album 2

Penicillium, Mortierella, 1973. Approximately 64 photographs mounted on 16 pages in green coil bound and magnetic photo album. Title from cover

Folder 42: Blue Mountain Microbes Data 1972-73

Charts and notes containing microbe data collected during post doctoral work; letter from Hubert Lechevalier to Byron H. Waksman, June 19, 1973, containing a one paragraph summary of Jordan's post doctoral work

Folder 43: Microbes Paper - Fungi

Correspondence, revisions, illustrations for paper published by Canadian Journal of Microbiology, 1975 [see next folder]

Folder 44: Publications - 1973, 1975, 1997

Contamination of Soil and Vegetation Near a Zinc Smelter by Zinc, Cadmium, Copper, and Lead, by Marilyn J. Buchauer. Environmental Science & Technology, v. 7, p. 131-135, Feb. 1973 [8 copies]

Effects of Zinc Smelter Emissions and Fire on a Chestnut-Oak Woodland, by Marilyn J. Jordan. Ecology, v. 56, no. 1, p. 78-91, Winter 1975 [5 copies]

Effects of Zinc-Smelter Emissions on Forest Soil Microflora, by Marilyn J. Jordan and May P. Lechevalier. Canadian Journal of Microbiology, v. 21, no. 11, p. 1855-1865, 1975 [4 copies]

Nitrogen Cycling in Forest and Grass Ecosystems Irrigated with 15N-Enriched Wastewater, by Marilyn J. Jordan, Knute J. Nadelhoffer, and Brian Fry. Ecological Applications, v. 7, no. 3, p. 864-881, 1997

Folder 45: Lead - 1989, 1991

Review of the National Ambient Air Quality Standards for Lead: Exposure Analysis Methodology and Validation, by OAQPS Staff. Research Triangle Park, NC, EPA, June 1989

Preventing Lead Poisoning in Young Children: A Statement by the Centers for Disease Control. Oct. 1991. (Chapter 3, p. 17-26)

Folder 46: John Washington MS Thesis, 1985

Metallic Contamination Surrounding a Zinc Smelter, by John William Washington. Pennsylvania State University, 1985.

Folder 47: Palmerton Study, 1994

Biologic Indications of Exposure to Cadmium and Lead, Part I, Palmerton, Pennsylvania. Agency for Toxic Substances and Disease Registry. US Department of Commerce National Technical Information Service, June, 1994. PB94-17655

Folder 48: Palmerton Studies, 1994-1996

Hazardous Substances Source Identification Study: Palmerton Zinc Cercla NPL Site, Carbon County, Pennsylvania, vol. 1, by Michael J. Ketterer and Joe H. Lowry. Denver, CO, National Enforcement Investigations Center, June 1994. EPA-330/2-94-029

Palmerton Lead Exposure Study, Fall, 1994: Final Report, performed for the Palmerton Environmental Task Force, by Advanced Geoservices Corp. Northeastern Pennsylvania Vector Control. University of Cincinnati, Oct. 1996

Palmerton Air Deposition Study, 1982-1995: Research Paper, prepared by Gradient Corporation. Cambridge, MA, Oct. 1966

Folder 49: Ecoloam Restoration Photographs, July 1996

18 photographs (4x 6 inches, color in 5 sleeves) showing results of ecofoam restoration on Blue Mountain

Box 5: Envelopes 1-22, Folder 49

Envelope 1 - Photographs of Lehigh Gap Area

11 photographs of the Lehigh area c1900-1960 (plus 2 duplicates) and 11 negatives; 1969 obituary of John Mankos; photo of unknown area, c1890; photo and negative of aftermath of pre-1900 logging in Pennsylvania

Envelope 2 - Aerial Photos, 1930s-1959

19 aerial photos of Palmerton area and Kittatinny Ridge taken in 1938, 7 taken in 1939, 2 in 1947, 2 in 1959, and 1 in 1964, all from National Archives Record Group 145

Envelope 3 - Micrographs

33 sleeves of 35 mm negatives, July and August 1972 (rolls 1-6)

Envelope 4 - Micrographs

57 sleeves of 35 mm negatives, October 1972 (rolls 7-13, 19-21)

Envelope 5 - *Betula Populifolia*

19 sleeves of 35 mm negatives, November 1972 (rolls 14-18), 15 prints

Envelope 6 - Fungi and Colony Photos

62 sleeves of 35 mm negatives (rolls 22-33)

Envelope 7 - Planting Poplars; Oaks and Zinc

17 photographs [envelope stamped Nov. 10, 1971, but many of the photos have a later date]

Envelope 8 - *Sassafras Albidum* Pots and Roots

11 photographs and negatives of *sassafras albidum* pots and roots, August 1971

Envelope 9 - Oak Seedlings

1 negative [envelope stamped April 2, 1973]

Envelope 10 - Shenandoah National Park Ghost Forest

2 photographs of dead chestnut trees at Big Meadows and accompanying letter from Park Superintendent dated May 3, 1971

Envelope 11 - Hybrid Poplars, Palmerton 1973

2 sleeves of 35 mm negatives, June 6, 1973, labeled poplars, *arenaria*

Envelope 12 - *Quereus Rubra*, *Nyssa Sylvatica*

13 sleeves of 35 mm negatives, May 1972; 9 photographs; small note

Envelope 13 - *Populus Tremuloides*

11 sleeves of 35 mm negatives, May 1972; 11 photographs

Envelope 14 - Zinc, Cadmium Tests

3 sleeves of 35 mm negatives, 8 photographs, first rough trials, June 1972

Envelope 15 - Zinc, Cadmium Tolerance Tests

3 sleeves of 35 mm negatives, 12 photographs, July 1972

Envelope 16 - Metal Tests

5 sleeves of 35 mm negatives, 10 photographs, July 1972

Envelope 17 - PhD Research Data, Graphs

12 sleeves of 35 mm negatives, ten 4 x 5 inch negatives

Envelope 18 - Publication Images

4 graphics (and duplicates) prepared for 1973 publication

Envelope 19 - Figures for Publication, Maps, Diagrams

24 sleeves of 35 mm negatives, four 4 x 5 inch negatives, one 2 x 3 inch negative (used in the 3 publications in folder 44)

Envelope 20 - Publication Images

Graphs, Charts, Photographs used in thesis and publications

Envelope 21 - Compass

Metal, black, 2 1/8 inches in diameter, stamped Lensatic Compass on case, "Academy " printed on face of dial. Used by Jordan in her field work

Envelope 22 - Flash Drives

2 drives containing scanned material from folders 1, 2, 3, 18, 25, 36-40 and envelope 1

Folder 50 - Three Loose Items Not Assigned

Small note about a telephone call with Rufus Chaney of USDA, June 20, 1981

Bagging results chart (handwritten on sheet of computer paper), 1969?

Vegetation Response to Lime and Manure Compost Amendments on Acid Lead/Zinc Mine

Tailings: A Greenhouse Study, by Ye, Wong and Wong. Restoration Ecology, v. 8, no. 3, p. 289-295, Sep. 2000

Rolled Topographic Maps (not boxed) [see also Folder 25]

7.5 minute laminated US topographic maps of the area, taped together to form a map 4 1/2 by 1 1/2 ft., with areas affected by forest fire from 1932-1968 outlined on map

Slides Boxes

Box 1 -Smelters, Flora, Soil, Smoke Plumes, I.R., Pollution Damaged Foliage, Forests, Aerial, Methods, Miscellaneous (approximately 225 slides)

Box 2 - Experimental: Field & Greenhouse; Microbes (approximately 225 slides)

Box 3 - Maps, Graphs of Data, Old Photos, Seminar Slides; Best Slides; Scans (approximately 225 slides and 16 negatives)

Box 4 - Seminar Slides (48 slides)

Publications Used In Research (not boxed)

Air Pollution, edited by Arthur C. Stern. Vol.1 Air Pollution and its Effects, 2nd ed. New York, Academic Press, 1968.

Front flyleaf stamps: S. H. Buchauer / Marilyn Buchauer

Top text block stamp: Marilyn Buchauer

Air Pollution Injury to Vegetation, by Ibrahim Joseph Hindawi. Raleigh, NC, US Dept. of Health, Education and Welfare Public Health Service, Consumer Protection and Environmental Health Service, National Air Pollution Control Administration, 1970.

Biology of Microorganisms, by Thomas D. Brock. 3rd ed. Englewood Cliffs, NJ, Prentice-Hall, c1979.

Front flyleaf inscription: 29 95

Cadmium in the Environment, by Lars Friberg, Magnus Piscator, and Gunner Nordberg. Cleveland, OH, CRC Press, c1971.

title page stamp: Hubert Lechevalier / Rutgers University / New Brunswick, N. J. [crossed off]

title page inscription: Marilyn Buchauer [surname crossed off and "Jordan" written]

Ecological Aspects of the Mineral Nutrition of Plants: A Symposium of the British Ecological Society, Sheffield 1-5 April 1968, edited by I. H. Rorison. Oxford, Blackwell Scientific Publications, c1969.
Front flyleaf inscriptions: Buchauer / Refs to check p. 199, 409

Ecology and Resource Management: A Quantitative Approach, by Kenneth E. F. Watt. New York, McGraw-Hill, c1968.
Front flyleaf and top of text block stamp: Marilyn Buchauer

Ecology and the Industrial Society: A Symposium of the British Ecological Society, Swansea 13-16 April 1964, edited by Gordon T. Goodman. New York, John Wiley & Sons, c1965.
Front fly leaf stamps: Stephen H. Buchauer, Marilyn Buchauer
Top text block stamp: Marilyn Buchauer
Sticky tab at page 328-329.

Geologic Map of Pennsylvania, by Pennsylvania Topographic and Geologic Survey. 1960. [folded maps in envelope]

Illustrated Genera of Imperfect Fungi, by H. L. Barnett and Barry B. Hunter. 3rd ed. Minneapolis, MN, Burgess Publishing Company, c1972.
Front cover inscription: Marilyn Buchauer
Title page inscription: Buchauer

Lehigh River Biological Investigation, by David P. Pollison and William M. Craighead. Delaware River Basin Commission, Pennsylvania Dept. of Health, and Pennsylvania Fish Commission, 1968.
front cover, title page, and top of text block stamp: Marilyn Buchauer

Methods of Analysis for Soils, Plants, and Waters, by Homer D. Chapman and Parker F. Pratt. University of California Division of Agricultural Sciences, 1961.
Front cover and front flyleaf stamp: Marilyn Buchauer

Methods of Soil Analysis. Part 2 Chemical and Microbiological Properties, A. L. Page, ed. 2nd ed. Madison, WI, American Society of Agronomy, Soil Science Society of America, 1982.
Front flyleaf inscription: Jordan
6 sections marked with page tabs

The Microbes, by Hubert A. Lechevalier and David Pramer. Philadelphia, Lippincott, c1971.

Microbial Ecology, by Martin Alexander. New York, John Wiley & Sons, c1971.
Front flyleaf and top text block stamp: Marilyn Buchauer [surname crossed out and "Jordan" written in]

Microbial - Plant Interactions: Proceedings of a Symposium sponsored by Division S-3 of the Soil Science Society of America, American Society of Agronomy, and the Crop Science Society of America in Fort Collins, Colo. 5-10 Aug. 1979. Madison, WI, Soil Science Society of America, American Society of Agronomy, and the Crop Science Society of America, 1984.
front cover and front flyleaf inscription: Jordan

Plant Communities: A Textbook of Plant Synecology, by Rexford Daubenmire. New York, Harper & Row, c1968.
Front fly leaf and top of text block stamp: Marilyn Buchauer

Preliminary Air Pollution Survey of Cadmium and its Compounds: A Literature Review, by Yanis C. Athanassiadis. Raleigh, NC, US Dept. of Health, Education and Welfare Public Health Service, Consumer Protection and Environmental Health Service, National Air Pollution Control Administration, 1969.
front cover inscription: Buchauer

Preliminary Air Pollution Survey of Zinc and its Compounds: A Literature Review, by Yanis C. Athanassiadis. Raleigh, NC, US Dept. of Health, Education and Welfare Public Health Service, Consumer Protection and Environmental Health Service, National Air Pollution Control Administration, 1969.

front cover inscription: Buchauer
Soil Chemical Analysis, by M. L. Jackson. Englewood Cliffs, NJ, Prentice-Hall, 1958.
Front fly leaf, title page, and top text block stamp: Marilyn Buchauer
The Soil - Plant System in Relation to Inorganic Nutrition, by Maurice Fried and Hans Broeshart. New York, Academic Press, 1967.
Front flyleaf inscription: Buchauer
Soil Survey Laboratory Methods and Procedures for Collecting Soil Samples, by US Dept. of Agriculture Soil Conservation Service. Washington, DC, Government Printing Office, 1967.
front cover stamp: Marilyn Buchauer
Soil Survey Manual, by Soil Survey Staff, Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, US Dept. of Agriculture. Washington, DC, US Government Printing Office, 1951.
Front flyleaf and top of text block stamp: Marilyn Buchauer
Front flyleaf inscriptions: Marilyn Jordan / Rutgers University / horizon boundaries p. 187 / structure p. 228 / consistence p. 232
Tabs/sticky notes: p. 139, 167, 175, 209
Soil Survey of Carbon County Pennsylvania, by US Dept. of Agriculture Soil Conservation Service in cooperation with Pennsylvania State University College of Agriculture and Experiment Station and Pennsylvania Dept. of Agriculture Soil Conservation Commission. Washington, DC, Government Printing Office, 1962.
front cover inscription: J C Z Zedrow [crossed out] / Buchauer
back cover: [handwritten notes]
Trace Substances in Environmental Health - IV: Proceedings of University of Missouri's 4th Annual Conference on Trace Substances in Environmental Health, edited by Delbert D. Hemphill. Columbia, MO, University of Missouri, c1971.
Front cover inscriptions: Buchauer / p. 233 fungi / p. 132 soil Zn
Sticky tab at page 186-187

Sieve (not boxed)

Metal, round, silver in color, 2 pieces, 8 3/8 inches by 4 1/4 inches high. U.S Standard Sieve Series no. 10, opening 2 mm., manufactured by Newark Wire Cloth Co., Newark, NJ.
Used by Jordan during her research

Sand Sampler Bags (in original box)

Hubco sand sampler bags, 5 x 7 inches, with Golden Magic Mark tags. Hutchinson Bag Corporation, Hutchinson, KS.
Remainder of box of bags used by Jordan in her research

Framed Photograph (not boxed)

Two photographs of Lehigh Gap, matted, in frame 21 inches high by 14 3/4 inches wide. Each photograph is 7 7/8 inches high by 8 5/8 inches wide. Photos, one taken before the defoliation of the mountain and one after, were shot from approximately the same location looking south toward Blue Mountain and Lehigh Gap

Prepared by:

Barbara L. Wiemann

December 3, 2014

Updated November 28, 2016, May 26, 2022 & July 13, 2026

Collection 6

Bob MacClay 183 Hawk Watch Records

2 Boxes

Note: The collection in folders 2-16 was organized and labeled by MacClay; his organization and labeling has been retained. The material in folders 17-19 was transferred from 3 oversized notebooks to folders; MacClay's labeling has been retained.

Box 1 - folders 1-5

Folder 1 - Biography, Correspondence, and Donation Note

Note written by MacClay relating meeting Donald Heintzelman for the first time in Sept. 1965.

Rt. 183 observations for Sep. 9 and 13, 1975 (1 note).

Letter from MacClay to Dan Kunkle, Dec. 11, 2001, containing reminiscences (12 pages)

Note from MacClays, Dec. 21, 2001, to Dan Kunkle with photocopies of obituaries of Fred Mears, John LaVia, and Edward Manners

Letter from MacClays to Dan and Cheryl Kunkle, May 27, 2004, about Appalachian Trail history.

Biographical tribute to MacClay written by niece Eydie and read by her at MacClay's committal service at Indiantown Gap, July 31, 2006; donation note from Anne MacClay; envelope used to mail these two items

Folder 2 - 1992

Charts for 57 days of observation; summary charts for year

Folder 3 - 1993

Charts for 67 days of observation; summary charts for year; photocopies of reports by Dean Kendall (6 pages)

Folder 4 - 1994

Charts for 77 days of observation; summary charts for year

Folder 5 - 1995

Charts for 66 days of observation; summary charts for year

Box 2 - folders 5-19

Folder 6 - 1996

Charts for 71 days of observation; summary charts for year; note about special observations

Folder 7 - 1997

Charts for 75 days of observation; summary charts for year; note summarizing year

Folder 8 - 1998

Charts for 83 days of observation; summary charts for year

Folder 9 - 1999

Charts for 85 days of observation; summary charts for year; letter dated Jan. 10, 2000, to Stan & Cheryl thanking them for their reports

Folder 10 - 2000

Charts for 48 days of observation; summary charts for year; 14 daily migration data sheets not included in summary

Folder 11 - 2001

Charts for 71 days of observation; summary charts for year

Folder 12 - 2002

Charts for 53 days of observation; summary charts for year; 2 short notes on small pieces of paper

Folder 13 - 2003

Charts for 44 days of observation; summary charts for year; wind direction charts; 2 daily migration data sheets not included in summary

Folder 14 - 2004

Charts for 26 days of observations; summary charts for year (do not include 3 days of observations); wind directions charts

Folder 15 - 2006

7 daily migration data sheets

Folder 16 - 2007

22 daily migration data sheets

Folder 17 - 2008

31 daily migration data sheets

Folder 18 - High Counts

Charts (23 oversize manila sheets) summarizing, by species, the high count totals by hour and day, 1981-2003

Folder 19 - Year Hi Lite Hi Count

Charts (52 oversize manila sheets) summarizing, by year, the high count totals by hour and day, 1978-2004 (2 sheets per year except 1978-1981 and 1999)

Folder 20 - Names, Totals, Other Lookouts

Charts (11 oversize manila sheets) containing names of hawk watch participants with years of participation, observing hours, birds observed, and number sighted per hour by species;
1 sheet contains names of Bake Oven Knob hawk watch participants (no dates)

Prepared by:

Barbara L. Wiemann

November 21, 2014

Updated October 23, 2017

Collection 7
Roy Christman
35mm Slides - New Jersey Zinc and Other Local Scenes
1 Box

Note: This collection of 127 slides was received in 7 slide sheets. The slides were transferred to archival sheets, and arranged by location and subject. Sheets 1-5 contain slides of Palmerton, New Jersey Zinc Company, and Blue Mountain, taken between 1975 and 1979 and arranged chronologically to show the environmental conditions and restoration efforts during these years. These slides are labeled, often in detail. Sheet 6 contains unlabeled aerial views. Sheet 7 contains labeled slides, mostly of Carbon County.

Sheet 1

Views of New Jersey Zinc Co. , Palmerton, Lehigh Gap, Oct. 1975-Nov. 1976 - row 1-4 (16 slides)
Re-vegetation of barren hillside off of 6th St, May 1976 - row 5 (4 slides)

Sheet 2

Re-vegetation of barren hillside off of 6th St, May, Aug 1976 - row 1 & 2 (8 slides)
Plants on waste dump east of East Plant, May, Aug. 1976 - row 3 & row 4, no. 1 (5 slides)
Arnot Bristly locust seedling planting on Blue Mt at East Plant, April 1977 - row 4, no. 2-4; row 5, no. 1 (4 slides)
East Plant spoil bank seeding, 1st year after establishment, May 1977 - row 5, no. 2-4 (3 slides)

Sheet 3

East Plant plantings of willow cuttings, fescue, deer tongue, 1st year after establishment, May 1977 - rows 1 & 2 (8 slides)
Views of West Plant and Blue Mt., June 1977 - row 3 (4 slides)
Re-vegetation work at East Plant, June 1977 - rows 4 & 5 (8 slides)

Sheet 4

Re-vegetation work on Blue Mt. above East Plant, June 1977 - rows 1-3 (12 slides)
New Jersey Zinc Co. erosion, Aug. 1977 - row 4, no. 1-2 (2 slides)
East Plant re-vegetation, including a tomato, Oct. 1977 - row 4, no. 3-4; row 5, no. 1-3 (5 slides)
Row 5, no. 4 is empty

Sheet 5

Indian hemp and giant reed growth, April 1978 - row 1 (4 slides)
Aerial seeding operations, May 1978 - rows 2 & 3 (8 slides)
Mulched evaluation plots, May 1978 - row 4, no. 1 & 2 (2 slides)
Views of Blue Mt., May 1978 - row 4, no. 3 & 4 (2 slides)
Arenaria patula growth, May 1978 - row 5, no. 1 & 2 (2 slides)
Giant reed growth, Jan. 1979 - row 5, no. 3
Row 5, no. 4 is empty

Sheet 6

Aerial views that include a lake [perhaps Beltzville?], Oct. 1971 - rows 1 & 2, no. 1-3 (7 slides)
Aerial views of strip mining, Oct. 1972 - row 3, no. 1 & 2 (2 slides)
Row 2, no. 4; row 3, no. 3 & 4; rows 4 and 5 are empty

Sheet 7

Beltzville Project hedgerow planting by Game Commission #414, June 1977 - rows 1 & 2 (8 slides)

Mahoning Creek stream restoration, 1974 - row 3, no. 1

Culvert installation on Wm. Boyer farm, Fall 1955 - row 3, no. 2

Apple blossoms on William Gregory farm, May 1977 - row 3, no. 3-4 (2 slides)

View of Jim Thorpe from Flagstaff, Aug. 1976 - row 4, no. 1 & 2 (2 slides)

Lehighton old dam, Oct. 1972 - row 4, no. 3 & 4 (2 slides)

Eroded road bank at intersection of Rt. 209 and 93, Oct. 1975 - row 5, no. 1

Hydra mulching on Rt. 6, Stroudsburg, Warren Co.[!], June 1971 - row 5, no. 2

Carbon County general aerial view, Oct. 1975 - row 5, no. 3

Mahoning Township aerial view, Oct. 1972 - row 5, no. 4

Prepared by:

Barbara L. Wiemann

November 24, 2014

Collection 8
Bake Oven Knob Hawk Watch
And Bake Oven Area
12 Boxes

Series 8.1 - Data Sheets, Summaries, Analysis by Year

Box 1

Folder 1 - 1961

Notes for 9 days of observation by Donald Heintzelman, Aug. 27-Nov. 11

Folder 2 - 1962

Notes for 21 days of observation by Donald Heintzelman, Aug. 11-Nov. 23

Folder 3- 1963

Notes for 32 days of observation (30 by Donald Heintzelman), Aug. 3-Nov. 24

Folder 4 - 1964

Hawk Migration Data totals sheet for Bake Oven Knob for 39 observation days.
Field Data Sheets, Aug. 8-Nov. 22, principally by Donald S. Heintzelman.
Handwritten page with observation totals for year.

Folder 5 - 1965

Hawk Migration Data totals sheet for Bake Oven Knob for 54 observation days.
Field Data Sheets for Bake Oven Knob, July 31-Nov. 21.
Handwritten tally sheet for PF (1 page).

Folder 6 - 1966

Hawk Migration Data totals sheet for Bake Oven Knob for 55 observation days.
Field Data Sheets for Bake Oven Knob, Aug. 7-Nov. 26.
Handwritten tally sheet for PF (1 page).

Folder 7 - 1967

Hawk Migration Data totals sheet for Bake Oven Knob for 58 observation days.
Field Data Sheets for Bake Oven Knob, Aug. 6-Nov. 19.
Handwritten tally sheet for PF (1 page).

Folder 8 - 1968

Field Data Sheets for 26 days at Bake Oven Knob, Aug. 11-Nov. 30.
Handwritten tally sheet for PF (1 page).

Folder 9 - 1969

Field Data Sheets for 72 days at Bake Oven Knob, Aug. 10-Nov. 26.
Note by Bob and Ann MacClay about possible pine grosbeak sighting on Aug. 20.
Handwritten tally sheet for PF (1 page) and PF sheet (1 page).

Folder 10 - 1970

Hawk Migration Data totals sheet for Bake Oven Knob for 98 observation days.
Field Data Sheets for Bake Oven Knob, Aug. 9-Dec. 6.
Handwritten tally sheet for RL (1 page).

Folder 11 - 1971

Hawk Migration Data totals sheet for Bake Oven Knob for 100 observation days.
Field Data Sheets for Bake Oven Knob, Aug. 1-Dec. 5.
Field Data Sheet for Oct. 29 that was not included in totals sheet.
Handwritten tally sheet for PF (1 page).

Schedule of Bake Oven Knob volunteer observers.

Folder 12 - 1972

Hawk Migration Data totals sheet for Bake Oven Knob for 102 observation days.

Field Data Sheets for Bake Oven Knob, Aug. 4-Dec. 1.

Handwritten tally sheet for PF (1 page).

List of Bake Oven Knob volunteer observers.

Box 2

Folder 13 - 1973

Hawk Migration Data totals sheet for Bake Oven Knob for 89 observation days.

Field Data Sheets for Bake Oven Knob, Aug. 4-Dec. 7.

Handwritten tally sheet for PF (1 page).

Folder 14 - 1974

Hawk Migration Data totals sheet for Bake Oven Knob for 87 observation days.

Field Data Sheets for Bake Oven Knob, Aug. 10-Nov. 29.

Monthly calendar sheets with daily volunteers and note about "no observation" days.

Folder 15 - 1975

Hawk Migration Data totals sheet for Bake Oven Knob for 81 observation days and 5 monthly totals sheets.

Field Data Sheets for Bake Oven Knob, Aug. 23-Dec. 7.

Handwritten tally sheet for PF (1 page).

List of rain dates (no observations).

Report from Fred Mears to Donald S. Heintzelman, Feb. 1, 1976.

Folder 16 - 1976

Hawk Migration Data totals sheet for Bake Oven Knob for 91 observation days.

Field Data Sheets for Bake Oven Knob, Aug. 16-Dec. 13.

Canada Goose flock size report (2 pages).

Folder 17 - 1977

Hawk Migration Data totals sheet for Bake Oven Knob for 59 observation days.

Field Data Sheets for Bake Oven Knob, Aug. 20-Dec. 2.

Handwritten tally sheet for PF (1 page).

Canada Goose flock size report (1 page).

Folder 18 - 1978

Hawk Migration Data totals sheet for Bake Oven Knob for 68 observation days.

Field Data Sheets for Bake Oven Knob, Aug. 21-Nov. 25.

Handwritten tally sheet for PF (1 page).

Canada Goose flock size report (2 pages).

Folder 19 - 1979

Hawk Migration Data totals sheet for Bake Oven Knob for 34 observation days.

Field Data Sheets for Bake Oven Knob, Aug. 8-Nov. 18

Folder 20 - 1980

Hawk Migration Data totals sheet for Bake Oven Knob for 33 observation days.

Field Data Sheets for Bake Oven Knob, Aug. 16-Nov. 3.

Folder 21 - 1981

Hawk Migration Data totals sheet for Bake Oven Knob for 50 observation days.

Field Data Sheets for Bake Oven Knob, Aug. 25-Nov. 25.

Handwritten tally sheet for PF (1 page).

Folder 22 - 1982

Hawk Migration Data totals sheet for Bake Oven Knob for 93 observation days.
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 28..
Handwritten tally sheet for PF (1 page).
Tally sheets by species for each month (14 pages).

Box 3

Folder 23 - 1983

Hawk Migration Data totals sheet for Bake Oven Knob for 73 observation days.
Field Data Sheets for Bake Oven Knob, Aug. 15-Nov. 29. Starting with 1983, the daily observing form is 2 pages.
Handwritten tally sheet for PF (1 page).

Folder 24 - 1984

Hawk Migration Data totals sheet for Bake Oven Knob for 78 observation days.
Field Data Sheets for Bake Oven Knob, Aug. 18-Nov. 21 (2 sheets per day).
Handwritten tally sheet for PF (1 page).

Folder 25 - 1985

Hawk Migration Data totals sheet for Bake Oven Knob for 76 observation days and tally sheets by species for each month (7 pages) .
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 24 (2 sheets per day).
Handwritten tally sheet for PF (1 page).

Folder 26- 1986

Hawk Migration Data totals sheet for Bake Oven Knob for 71 observation days and tally sheets by species for each month (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 28 (2 sheets per day).
Tally of number of adult and immature birds by species (8 sheets).

Folder 27 - 1987

Hawk Migration Data totals sheet for Bake Oven Knob for 76 observation days and tally sheets by species for each month (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 12-Nov. 27 (2 sheets per day).
Tally of number of adult and immature birds by species (10 sheets).

Folder 28 -1988

Hawk Migration Data totals sheet for Bake Oven Knob for 78 observation days and tally sheets by species for each month (5 pages).
Field Data Sheets for Bake Oven Knob, Aug. 5-Dec. 4 (2 sheets per day).
Tally of number of adult and immature birds by species (10 sheets).

Box 4

Folder 29 - 1989

Hawk Migration Data totals sheet for Bake Oven Knob for 79 observation days and tally sheets by species for each month (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 8-Nov. 29 (2 sheets per day).
Tally of number of adult and immature birds by species (6 sheets).

Folder 30 - 1990

Hawk Migration Data totals sheet for Bake Oven Knob for 63 observation days and tally sheets by species for each month (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 18 (2 sheets per day).
Tally of number of adult and immature birds by species (2 sheets).

Daily mean visibility list (1 sheet).
Calendar pages listing daily observers (4 pages).

Folder 31 - 1991

Hawk Migration Data totals sheet for Bake Oven Knob for 32 observation days and tally sheets by species for each month (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 16-Nov. 28 (2 sheets per day).
Tally of number of adult and immature birds by species (3 sheets).
Daily visibility (1 sheet).

Folder 32 - 1992

Tally sheets by species for each month for 84 observation days (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 30 (2 sheets per day).
2 notes with observation data for Oct. 25 and 31 sent to Donald Heintzelman
Note from Wesley Beltz to Bob MacClay with his 1992 BOK bird count totals.
Tally of number of adult and immature birds by species (2 sheets).
Calendar pages listing daily observers (4 pages).

Folder 33 - 1993

Tally sheets by species for each month for 78 observation days (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 29 (2 sheets per day).
2 sheets with observation data for Sep. 11 and 18 sent to Donald Heintzelman.
Tally of number of adult and immature birds by species (3 sheets).
Calendar pages listing daily observers (4 pages).

Folder 34 - 1994

Hawk Migration Data totals sheet for Bake Oven Knob for 66 observation days and tally sheets by species for each month (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 25 (2 sheets per day).
Tally of number of adult and immature birds by species (1 sheet).
Calendar pages listing daily observers (4 pages).
2 memos by Donald Heintzelman to BOK observers, list of observers, note from observer.

Folder 35- 1995

Tally sheets by species for each month for 62 observation days (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 21 (2 sheets per day).
Tally of number of adult and immature birds by species (1 sheet).
Correspondence from observers (8 pages).
Calendar pages listing daily observers (4 pages).
Tiger Swallowtail sighting on Sep. 12 (1 page).

Box 5

Folder 36 - 1996

Hawk Migration Data totals sheet for Bake Oven Knob for 86 observation days, 1 printed summary sheet, and tally sheets by species for each month (4 pages).
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 20 (2 sheets per day).
Tally of number of adult and immature birds by species (5 sheets).
Calendar sheets listing daily observers (4 pages).
Notes and observations sent to Heintzelman (9 pages).

Folder 37 - 1997

Hawk Migration Data totals sheet for Bake Oven Knob for 76 observation days, and tally sheets by species for each month (4 pages).

Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 29 (2 sheets per day).
Tally of number of adult and immature birds by species (6 sheets).
Calendar sheets listing daily observers (4 pages).
Notes and observations sent to Heintzelman (24 pages).

Folder 38 - 1998

Hawk Migration Data totals sheet for Bake Oven Knob for 91 observation days, 3 page press release about the 1998 season, and tally sheets by species for each month (10 pages).

Field Data Sheets for Bake Oven Knob, Aug. 15-Nov. 29 (2 sheets per day).
Tally of number of adult and immature birds by species (4 sheets).
Note from Wesley Beltz to Bob MacClay with his BOK and 183 counts for 1998.

Folder 39 - 1999

Field Data Sheets for Bake Oven Knob, Aug. 9-Nov. 28 (2 sheets per day).
Tally of number of adult and immature birds by species (7 sheets).

Folder 40 - 2000

Hawk Migration Data totals sheets (3) for Bake Oven Knob for 108 observation days, and tally sheets by species for each month (4 pages).
Field Data Sheets for Bake Oven Knob for Aug. 4-Nov. 25 (2 sheets per day).
Tally of number of adult and immature birds by species (4 sheets).
December observation sheets from Ronald Kline (3 pages).

Box 6

Folder 41 - 2001

Tally sheets by species for each month (7 pages).
Field Data Sheets for Bake Oven Knob for Aug. 14-Jan. 2, 2002 (2 sheets per day).
Tally of number of adult and immature birds by species (6 sheets).
Instruction sheet for volunteers and list of volunteers.

Folder 42 - 2002

Field Data Sheets for Bake Oven Knob for Aug. 15-Dec. 1 (2 sheets per day).
Tally of number of adult and immature birds by species (3 sheets).
Summary sheets, list of volunteers, and sheets from BOK parking lot

Folder 43 - 2003

Field Data Sheets for Bake Oven Knob for Aug. 14-Nov. 30 (2 sheets per day).

Folder 44 - 2004

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 28 (2 sheets per day).

Folder 45 - 2005

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 27 (2 sheets per day).
Tally of number of adult and immature birds by species (2 sheets).

Box 7

Folder 46 - 2006

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 26 (2 sheets per day).
Sheet of corrections (1 page).
Sheet of computer instructions for entering data (1 page).

Folder 47 - 2007

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 25 (2 sheets per day).

Folder 48 - 2008

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 29 (2 sheets per day).

Folder 49 - 2009

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 29 (2 sheets per day).

Folder 50 - 2010

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 28 (2 sheets per day).

Box 8**Folder 51 - 2011**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 27 (2 sheets per day).

Folder 52 - 2012

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 23 (2 sheets per day).

Two blank field data sheets and two undated field data sheets.

Two computer discs (4.5 inch) containing 2012 data.

Folder 53 - 2013

Hawk Count Data Sheets and Age/Sex Data Sheets for Aug. 15-Dec. 1 (2 sheets per day).

1 computer disc (4.5 inch) containing 2013 data.

Folder 54 - 2014

Hawk Count Data Sheets and Age/Sex Data Sheets for Aug. 15-Nov. 30, 2014 (2 sheets per day).

1 computer disc (4.5 inches) containing 2014 data.

Box 9**Folder 55 - 2015**

Hawk Count Data Sheets and Age/Sex Data Sheets for Aug. 15-Nov. 29, 2015 (2 sheets per day).

Summary sheets by month, by age/sex..

1 computer disc (4.5 inches) containing 2015 data.

Folder 56 - 2016

3 computer disc (4.5 inches) containing 2016 data.

Folder 57 - 2017

1 memory stick containing 2017 data.

Folder 58 - 2018

1 memory stick containing 2018 data.

Series 8.2 - Multi-year analysis and summaries**Box 1****Folder 1 - BOK Autumn Bird Record, 1957-1985 (pt. 1)**

Contains 1 or more chart pages for each species observed by Donald S. Heintzelman, listing the date and number of birds observed.

Folder 2 - BOK Autumn Bird Record, 1957-1985 (pt. 2)

Contains 1 or more chart pages for each species observed by Donald S. Heintzelman, listing The date and number of birds observed.

Note from Fritz to Heintzelman, Sep. 17, 1989 with two bird sightings , one 1984, one 1989

Note to Heintzelman with count of geese at BOK, 1984-1987

Folder 3 - BOK Hawk Count Compiled Data, 1961-2004

Computer disc (4.5 inch) with data for 1961-1980, created by Heintzelman in 2006.

Computer disc (4.5 inch) with data for 1981-1997, created by Heintzelman in 2006.

Computer disc (4.5 inch) with data for 2002-2004.
Sightings per hour charts, 1961-1997 (2 formats, 10 pages).
BOK records by species (earliest, latest, highest per hour, etc.), 3 sheets compiled in 2000, 2001.

Hawk Count Sheets, 1961-2002 (4 sheets).

BOK Hawkcount data, 1961-2015 (2 sheets)

Folder 4 - BOK Spring/Summer Bird Record, 1965-1996

Summary sheet for 1965-1984 and summary sheet by species for observations in April.
Chart pages for each species observed, listing the date and number of birds observed.
Field data sheets, 1967-1996 for 37 days of observation, mostly by Heintzelman.
Observations by John Leskosky in May 1982 (3 pages).

Folder 5 - BOK Monarch Butterfly Counts, 1982-1997

Counts by year of monarchs observed. [Note: Counts for succeeding years located in yearly folders].

Folder 6 - BOK Non-Hawk Counts, 2000-2010

One sheet per year, listing counts for hummingbirds, monarchs, loons, cormorants, G.B. herons, ravens, snow geese, and Canada geese.
One loon tally sheet.

Folder 7 - BOK and Hawk Mountain hawk count comparison, 1995-2001

Comparison charts for 1998-2001 and drafts of journal article

Series 8.3 - BOK History, Publicity, Volunteers, Memorabilia, etc.

Box 1

Folder 1 - Bake Oven Knob Historical Information

The Bake Oven, by Alfred Berlin, 1922, paper read at spring meeting of the Lehigh County Historical Society, 4 p.
Letter, B. C. Hiatt to Heintzelman, Nov. 25, 1968, about his visits to BOK, beginning in 1936 (3 pages, typewritten)
Letter from Patrick Tee to Heintzelman, Oct. 7, 1994, about shooting birds at BOK (2 pages, handwritten)
Observations on Bake Oven Knob, September 18, 1949, by Clayton Hoff (3 pages, photocopy of typed report) with 2 typewritten letters from Heintzelman, Dec. 1968-Jan 1969
2 slides showing dead birds (b&w), possibly from Dr. Choate (see above Jan 1969 letter)
Bake Oven Knob (Outstanding Scenic Geological Features of Pennsylvania, by Geyer and Bolles, 1979, p 220)
Aerial photographic view of Bake Oven and vicinity (Photo Science, Inc., 1988
NPS purchase of land near Bake Oven, 1997, clipping
A Brief History of the Bake Oven Knob Hawk Watch, by Donald S. Heintzelman, 2010 (10 pages, computer printed) with email from Dan Kunkle

Folder 2 - Bake Oven Knob Newsletter

Issues 1-6 (Jan. 5, 1973-August 1992), edited by Heintzelman, containing news related to raptor and other bird research and conservation/education at BOK
National Serial Data Program ISSN registration for newsletter, 1984

Folder 3 - Publicity

Bibliography of published literature about BOK Hawk Watch (chiefly yearly reports), 1963-1998)

Photocopies of 11 articles from bibliography, 1963-1982
Bake Oven Knob: A Special Wildlands Place, 1993-1996 (4 page leaflet with history, silhouettes of raptors, WIC information)
Circular illustration with wording Bake Oven Knob, PA Hawk Watch around edge and silhouette of raptor in center (undated, used to make stamp in Box 2)
3 BOK Leaflets (ca 1999-2001, undated, and 2002)
Artwork showing the BOK typography and photos showing views from BOK, used in creating the leaflets [oversize in separate folder next to Box1]
Photograph taken from BOK, used to illustrate a BOK brochure

Folder 4 - Volunteers, Correspondence, etc.

Field Techniques for Hawk Watch Cooperators (1 page, typewritten)
Letter, Bill Rosch to Heintzelman, (undated, on Raub Middle School letterhead), thanking DSH for Saturday Hawk I.D. classes
Wildlife Action Alert form, Aug. 1996, by Heintzelman, about low flying airplane at knob
List of Bake Oven Knob Hawk Counters (undated, late 1990s-early 2000s)
Letter to BOK counters, from Kunkle, dated Aug. 1, 2000 with volunteer guidelines page
Photo of attendees at Hawk Watchers Dinner, Caruso's Restaurant, 2000
Bake Oven Knob Autumn Hawk Count Manual (Wildlife Information Center, 2021) how-manual for hawk watch volunteers)

Folder 5 – Natural Landmark Nomination, 1983

Recommendation letter by Heintzelman; correspondence from Don Ritter and US Dept. of the Interior; newspaper clippings

Folder 6 – DSH Disputes concerning Bake Oven

With PA Game Commission about construction of 2 parking lots along Bake Oven Rd, 1971;; 9 page synopsis of controversy, photos, news clippings
With Lehigh Valley Audubon and Hawk Mt. about their hawk watches at BOK; news releases defending DSH hawk watch; 1982 and 1983 counts from LVA and Hawk Mt

Folder 7 – Ecotourism at Bake Oven

Newspaper clippings, 1995
Text for proposed nature trail at Bake Oven, undated

Folder 8 – Threats to Bake Oven Knob area

Vandalism and trash newspaper clippings, 1982-1983
Contaminated soil recycling facility in East Penn, 1991-1992; permit applications for plant, WIC news releases, scientific article, news clippings, map
Proposed race track in East Penn Township, letters and clippings, 1993-1994

Box 2 - BOK Memorabilia , AV

2 Bake Oven Knob T-shirts, one with blue printing and one with red printing
BOK stamp and mold for stamp (see Box 1, Folder 3 for artwork)
Bake Oven Knob patch (blue and green background with black and white striped raptor)
Parking Lot Gang pin (used by volunteers who could no longer hike to the knob)
Pill container with two shotgun shells found at BOK and note by Heintzelman (Dec. 2003)
Pill container with 1 shotgun shell (no identification)
1 VHS tape labeled Bake Oven Knob, PA - 1987, raw, unedited
1VHS tape labeled Freedom High School Bake Oven Knob field trip Oct. 5, 1994
1 VHS tape labeled Freedom High School BOK Field Trips – includes BOK Hawk Watch, , Appalachian forest ecology, stream ecology;

5 photographs of observers at Bake Oven Knob (3 sheets), Fall 1995; 1 photo of sky filled with broad wing hawks at BOK

Prepared by:
Barbara L. Wiemann
June 30, 2018
Latest Rev. June 3, 2025

Collection 9

Paul Handwerk

1 Box

Folder 1 - Notes on Fresh-Water Mussels (Research Materials Used by Handwerk)

- Notes from: The Naiad Fauna of the St. Joseph River Drainage in Southwestern Michigan, by Henry van der Schalie. Amer. Mid. Nat., v. 17, no. 2, 1936, p. 523-537.
- Notes from: The Size of Certain Naiades from Western Lake Erie in Relation to Shoal Exposure, by C. J. D. Brown, Clarence Clark and Bruce Gleissner. Amer. Mid. Nat., v. 19, no. 3, May, 1938, p. 682-701.
- Notes from: Distribution of Aquatic Mollusks in Minnesota, by Charlotte Dawley. Amer. Mid. Nat., v. 38 no. 3 Nov. 1947, p. 671-697.
- Taxonomic Keys to the Mollusca (Fresh-water Clams) of Minnesota, by Samuel Eddy and A. Hodson. Minneapolis, MN, Burges Publishing Co., 1950?
- Notes from: The Fresh Water Mollusca of Wisconsin part II Pelecypoda, by Frank Collins Baker. Wisconsin Geology & Nat. History Survey Bulletin 70, 1928.
- Notes from: A Revision of the Mollusca of Indiana by Calvin Goodrich and Henry van der Schalie. Amer. Mid. Nat., v. 32, no. 2, Sep. 1944, p. 257-326.
- Outline of: Notes on the Natural Hosts of Fresh-Water Mussel, by Thaddeus Surber. Bur. Fish Bull. XXXII, 1912, p. 101-116.
- Notes from: Some Cases of Narrowly Restricted Parasitism Among Commercial Species of Fresh Water Mussels [by] A. D. Howard. Trans. Amer. Fish Soc., v. XLIV, no. 1, 1914, p. 41-44.
- Notes from: An Artificial Infection with Glochidia on the River Herring. Trans. Amer. Fish. Soc., v. XLVI, no. 2, 1917, p. 93-100.
- Report to Dr. Walter B. Jones, State Geologist, on the Status of Freshwater Mussels in Wheeler Lake as Based on Present-Day Mussel Fisheries, by Allen Archer. Nov. 19, 1948.
- Work on Fisheries Biological Station at Fairport, Iowa by Thomas K. Chamberlain (Report of US Comm. of Fish. for 1927, Append. VIII, p. 517-681)
- Fresh-Water Mussel Investigations Mussel Culture (Report of US Comm. of Fish. for 1929, p. 627-739)
- Artificial Culture of Glochidia of Fresh-Water Mussels, by M. M. Ellis. (Report of the US Comm. of Fish. for 1929, Append. X)
- Fresh-Water Mussel Investigations (Report of US Comm. of Fish. for 1930, Append. XV)
- Fresh-Water Mussel Investigations (Report of US Comm. of Fish. for 1934)
- Propagation of Fresh-water Mussels by Controlled Infection, by. M. M. Ellis, B. A. Westfall and M. D. Ellis.
- Proposed Program of Fresh-Water Mussel culture for the Season of 1941. US Dept. of Interior, Fish and Wildlife Service, Dec. 2, 1940.
- Notes from: Synopsis of the Naiades, or Pearly Fresh-water Mussels, by Charles T. Simpson. Proc. US Nat. Museum, 22, 1900, p. 501-1044.
- Notes from: The Classification and Geographical Distribution of the Pearly Fresh-Water Mussels, by Charles T. Simpson. Proc. US Nat. Museum, 18, 1896b, p. 295-343.
- Notes from: A Synopsis of the Classification of the Fresh-Water Mollusca of North America, North of Mexico, and a Catalogue of the More Recently Described Species, with Notes, by Bryant Walker, Museum of Zool., U. of Michigan, Miscellaneous Publications no. 6, Dec. 30, 1918.

Notes from: On the Nomenclature of Certain North American Naiades, by A. E. Ortman and Bryant Walker. Museum of Zool., U. of Michigan, Occasional Papers No. 112 July 1, 1922, p. 1-75.

Food + Feeding in Fresh-Water Mussels, by E. P. Churchill Jr and Sara I. Lewis. US Bur. Fish. Bull., v. 39, 1923-24.

The Absorption of Nutrient from Solution by Fresh-water Mussels, by E. P. Churchill Jr. Jour. Exp. Zool., v. 21, 1916.

Studies of the Biology of Fresh-water Mussels - A Study of the Food Relations of Certain Unionidae by Wm. Ray Allen. Bull Marine Biol. Lab., v. 40, Jan-June, 1921.

Folder 2 - Paper by Paul S. Handwerk, Fishery Management Biologist, US. Fish and Wildlife Service

A Review of the Fresh-Water Mussel Project. Feb. 12, 1953. 26 typewritten pages.

Folder 3 - Handwerk's Paper (see folder 2) with memorandum from various levels of the Fish and Wildlife Service (1953-1956), comments, and supplemental reports

Folder 4 - Paper by Paul S. Handwerk, Fishery Management Biologist US. Fish and Wildlife Service

A Brief Life History of the Mussel: A Review of the Literature. March 6, 1953. 72 typewritten pages.

Folder 5 - Photographs and Drawings

Xerox copies of photographs of field work in Arkansas, Indiana, Illinois, Alabama, and Tennessee, 1948-1951 (6 p.)

Drawings of fish and mussels, using marker and pen (5 drawings)

Photographs of Micropterus (8) and Huro (1), 1946

Folder 6 - Material, 1960-2004

Status of Fresh-Water Mussel Stocks in the Tennessee River, by George D. Scruggs Jr. Washington DC, US Fish and Wildlife Service, Special Scientific Report-Fisheries No. 370, 1960. 39 p.

Note cards for 1993 lecture on mussels (4 cards)

Newspaper clipping from Star Tribune, Nov. 28, 1997, Metro/State section, about illegal mussel trafficking in Minnesota and North Dakota

Correspondence, from Seymour B. Johnson, Indianola, MS, to Paul Handwerk, seeking advice and suggestions on mussel research, and Handwerk's replies, February-March 1998

Newspaper clipping from Morning Call, April 4, 2004, p. B1-2, about a bridge project stalled by a mussel

Prepared by:

Barbara L. Wiemann

December 5, 2016

Collection 10
Rexford D. Lord Jr.
2 Boxes

Collection arrived in labeled folders and that organization and labeling was retained when the material was transferred to archival folders.

Box 1

Folder 1 - Lagamorph Lens Ms., 1962-1968

Letter, Lord to Ronald Labisky, Urbana, IL, with first draft of rabbit lens paper that Labisky should polish for publication, Aug. 20, 1962, 1 p. typewritten [paper not in file]
Letter, Labisky to Lord, with assembled lagomorph data, June 2, 1964, 2 p. typewritten with 19 pages of graphs
Letter, Lord to Vincent Schultz, Washington, DC, "Parallelism of Lagamorph Lens Curves" paper , May 25, 1965, 1 p. typewritten and 7 p. paper
Letter, Schultz to Lord, returning material to Lord, Sep. 25 1968, 1 p. typewritten, with 38 pages of data, charts, reviews, and correspondence

Folder 2 - Mosquitoes of Venezuela

Key to the mosquitoes of Venezuela (1 p.) and photocopies of drawings of mosquitoes from unknown source (19 p., in Spanish)

Folder 3 - VEE Colombia, 1967 Progress Report [1967-1971]

A Preliminary Progress Report Outlining the Principal Features of Venezuelan Equine Encephalitis Virus Outbreaks in the Departamento del Valle, Colombia (Information up to 5 October 1967), 12 p.
Guadro 2. El Carmelo, 1967, Epizootemia de VEE Pruebas HI en Animales Domesticos, 3 p.
Lista de Participantes Primer Seminario Nacional de Encefalitis Equina Venezolana, 3 p.
Primer Semanario Nacional de Encefalitis - Equina Venezolana - Bogota, Colombia, 1971, 11 p.

Folder 4 - VEE in Ecuador [1969-1972]

Epidemic of VEE in Ecuador, by T. P. Monath (rough draft), 23 p.
International Trip Report: Encephalitis Investigations Ecuador, May 8 through June 3, 1969, by Thomas P. Monath, 26 p. [based on rough draft]
Letter, March 31, 1970, Ernesto Gutierrez, Guayaquil, Ecuador, to Rexford Lord, Atlanta GA, about Monath report, 1 p., in Spanish
Informe a los Senores Director Nacional de Salud y Supervisor Edecutivo de la Direccion Nacional de Salud Sobre la Investigacion de Encefalomieltis Equina, 1972, 3 p.

Folder 5 - VEE in Guatemala [1969-1970]

Telegrams, July 7-16, 1969, about Equine Encephalitis outbreak
Memorandum, Aug. 5, 1969, A.I.D. Mission to El Salvador, about Venezuelan Equine Encephalitis in Central America, 9 p., typewritten

Organizational chart of Ministry of Agriculture
Equine Investigations, Guatemala, 1969, 3 blank data sheets
Field data from Guatemala, 1969, 10 p., maps, graphs, charts
Vertebrates tested in Guatemala, Aug. 5-16, 1969, by R. D. Lord, 1 p. chart
VEE Vaccine results - Nicaragua, 1969-1970, 20 p., charts, graphs
Agenda for Working Conference on VEE, National Communicable Disease Center, May 28, 1970

Folder 6 - VEE in Venezuela [1967-1983]

Memorandum, July 18, 1967, Rexford Lord to Chief of the Arbovirus Unit, about role of bats as host of Venezuelan encephalitis, 3 p., handwritten and 3 p. typewritten with budget for study
Expense account for trip to Caracas and Maracaibo, 1 p. handwritten
2 index cards with bibliographic citations
Vertebrate Isolations of VEE, 3 p. handwritten notes on previous research)
Ante-Proyecto del Programa Nacional de Investigaciones Sobre Encefalomielite Equina y Otras Arbovirosis, 10 p., typewritten
Map of Venezuela, showing states
Public Health Impact of Arthropod- and Rodent-borne Viral Diseases in the Americas.
Epidemiological Bulletin, Pan American Health Organization, v. 4, no. 3, 1983, p. 1-4.

Folder 7 - Lens Curve - Opossum, 1970

Letter, Feb. 5, 1970, Glen Sanderson to Lord, opossum lens data requested by Lord, 3 p.
Opossum lens weights, list compiled by Lord, Feb. 12, 1970
Opossum lens curve, weight and age, by Lord, 2 charts
Note, July 6, 1970, E. C. Hall to Lord, about lens chart, 1 handwritten page

Folder 8 - Litter Size and Latitude in the Opossum and Raccoon, 1970

Draft of paper by R. D. Lord and Elmer C. Hall, 4 p. typewritten
Copy of paper with NCDC Division/Program approval form, July 24, 1970
Copy of paper with submission letter to Journal of Mammalogy, Aug. 5, 1970
Copy of paper with letter from Journal of Mammalogy with reviewers notes, Nov. 13, 1970

Folder 9 - Pan America Employment, August 1970

Job description posting sheet, 1967
Letter, Lord to Boris Szyfres, Buenos Aires, Argentina, announcing his marriage, recent activities, and desire to work in Argentina, July 22, 1969, 1 p. typewritten
Letter, Lord to Pedro Acha, Washington, DC, work on Venezuelan encephalitis and desire to return to work for Pan American Zoonoses Center in Argentina, July 28, 1969, 1 p. typewritten
Letter, Szyfres to Lord, congratulations on marriage, July 30, 1969, 1 p. typewritten
Letter, Acha to Lord, employment situation with Pan American Health Organization, Aug. 1, 1969, 1 p. typewritten
Letter, Lord to Szyfres, VEE work in Guatemala and employment prospects, with 5 p. biographical sketch, Sep. 10, 1969, 1 p. typewritten
Letter, Acha to Lord, thank you for copy of publication, Apr. 7, 1970, 1 p. typewritten
Note, Acha to Lord, personal history forms to complete for employment, May 1, 1970 [no forms]
Letter, Szyfres to Lord, thanks for publications and employment status, May 11, 1970, 1 p. typewritten

Letter, Acha to George Baer, Lawrenceville, GA, about Charles Janson working in Argentina with Lord, June 2, 1970, 1 p. typewritten

Letter, Luis Alba to Lord, clearance form for working abroad, June 17, 1970, 1 p. typewritten [no form]

Letter, Lord to Szyfres, security of new position and family news, June 22, 1970, 2 p. typewritten

Letter, Donald Balser, Denver, CO, to Lord, sending report on vampire bat research, June 24, 1970, 1 p. typewritten

Letter, Lord to Arthur Greenhall, Mexico, sending copy of publication and seeking information about vampire bat research in Mexico, June 25, 1970, 1 p. typewritten

Telegram, Alba to Lord, approved for Argentina employment, July 6, 1970

Letter, Peter Shantz, Buenos Aires, to Lord, congratulations on publication and looking forward to working together, July 7, 1970, 1 p. typewritten

Letter, Ernest Tierkel to Alba, letter of reference for Lord, July 8, 1970, 1 p. typewritten

Letter, Lord to Schantz, thank you reply, July 14, 1970, 1 p. typewritten

Pan American Health Organization Offer of Appointment forms with information about living in Argentina, July 15 1970

Note, Lord to Szyfres, concern about lower salary than agreed upon, undated, handwritten

Letter, Janson to Lord, news and preparations for work in Argentina, July 22, 1970, 1 handwritten sheet

Letter, Lord to Oscar, preparations for moving, July 23, 1970, 1 p. typewritten

Letter, Lord to Szyfres, employment and moving details, July 23, 1970, 1 p. typewritten

Letter, Lord to Charles [Janson], answering letter with suggestions, July 27, 1970, 1 p. typewritten

Letter, Lord to Alba, employment forms, travel plans and shipping goods, July 27 1970, 1 p. typewritten

Letter, Alba to Lord, travel advance, Aug. 14, 1970, 1 p. typewritten

Medical test results and receipt for purchase of chest

Folder 10 - Bat Census [1970-1974]

Un Indice Para Comparar Las Poblaciones de Murcielagos Sudamericanos, by Rexford Lord, Horacio Delpietro, and Luis Lazaro, 8 p. typewritten with 7 p. chart

Criteria for Standardization of the Relative Census for Bats, 1 p. typewritten (also copy in Spanish)

South American Bat Censuses for Surinam, Trinidad, Argentina, Bolivia, and Brazil, Dec. 19, 1974, with supporting data collection sheets

Box 2

Folder 11 - Rio Grande do Sul, Brazil, 1974 [bat research]

Data sheets and narrative reports of bat research, 1974, 19 p. handwritten

List of bats to be expected in Rio Grande do Sul, 1 p.

Names and contact information for veterinarians and others, 4 p.

Charts about rabies and deaths in 1968, with map of Rio Grande do Sul, 4 p. in Spanish

Folder 12 - Guia Para Los Mamiferos de Venezuela (1st half)

Folder 13 - Guia Para Los Mamiferos de Venezuela (2nd half)

Contains scientific name, identification, dental, habitat and behavior, diet, and abundance information with distribution map for 293 mammals. Mostly in Spanish, with some descriptions in English. No date, no pagination (approximately 300 typewritten pages).

Folder 14 - Guia Para La Identification De Los Mamiferos De Venezuela, por Rexford D. Lord (1st part)

Folder 15 - Guia Para La Identification De Los Mamiferos De Venezuela, por Rexford D. Lord (2nd part)

Folder 16 - Guia Para La Identification De Los Mamiferos De Venezuela, por Rexford D. Lord (3rd part)

**Folder 17 - Guia Para La Identification De Los Mamiferos De Venezuela, por Rexford D. Lord
(corrections and publisher correspondence)**

Includes introduction, explanation of organization, recognition, list of mammals, drawings, key to the orders of mammals, descriptions, bibliography, and index. 119, 237 p., typewritten. With typed list of information needed or corrections to be made and correspondence with publisher, 1985. In Spanish.

Folder 18 - Other Publications by Rexford D. Lord Jr.

The Lens As An Indicator of Age In Cottontail Rabbits (Journal of Wildlife Management, v. 23, no. 3, July 1959, p. 358-360)

Prepared by:

Barbara L. Wiemann

December 26, 2016

Collection 11

Collected Research

2 Boxes

Note: This collection includes research not conducted by the Wildlife Information Center. This material was collected by others or donated to the Center to make it available to researchers.

11.1 Sheep Mountain Wildlife Survey, 1978, by Dan R. Kunkle (Franklin Twp., Carbon Co.)

- Folder 1 - index cards for 1978-1984; 1979-1980, 1980-1981 notes; diary pages for 1980 and 1984; Sheep Mountain wildlife lists (2); check lists for 1993 (with map), 1994, and 1995; biodiversity study (2), Aug. 1994 and ndated; composite list of birds
- Folder 2 - bound journal for 1994
- Folder 3 - bound journals for 1979-1995 and 1996-2001

11.2 Bird Censuses, Counts, Studies, and Notes by Observers

Box 1

- Folder 1 - Lehigh County bird checklists (2 by Lehigh Valley Bird Club, undated and 1956, and 1 by Lehigh Valley Audubon Society, undated) and 1 published article (Bird Life in Lehigh County in Pioneer Days, by Harry Bailer, 1923)
- Folder 2 - Lehigh County Christmas bird counts, 1944-1969, by Lehigh Valley Bird Club
- Folder 3 - Reports by Lehigh County birders, collected by Donald Heintzelman, chiefly in late 1960s
- Folder 4 - Thomas Armentano, Allentown
- Folder 5 - Ruth Farr, Alburtis
- Folder 6 - Carl Montgomery, Allentown
- Folder 7 - Tom and Mickie Mutchler, Bethlehem
- Folder 8 - Edward Reed, University Park (notes from various locations)
- Folder 9 - Barton M. Snyder, Allentown
- Folder 10 - Linda Freedman (and others), Bethlehem, Archibald Johnson Conservation Area, 1999-2002, Nisky Hill Cemetery, 2000, and Monocacy Nature Center, 1999-2002
- Folder 11 - Miscellaneous field data sheets by various observers at various locations - Bear Rocks, 1965-1973 (77 days); Lehigh Furnace Gap (11 days, 1966-1973); Wagner's Gap, 1952-1969 (8 days); Pinnacle, 1974 (1 day); Tode Gap, 1965 (1 day); Big Rock, 1973 (4 days); Blue Mt. Rt. 183, 1973 (1 day); Little Gap, 1996-1997 (2 days); Blue Mt. Summit (PA 309), 1997 (2 days)

Box 2

- Folder 12 - Migrant raptor and songbird habitat use along the Kittatinny Ridge : a major eastern flyway. Final report 2004. Hawk Mt Sanctuary Association. c120 pages
- Folder 13 - Sharp-shinned stopover habitat use along the Kittatinny Ridge : a Pennsylvania State Wildlife Grant Project. Hawk Mt. Sanctuary Association 2003. 3 p.
- Folder 14 - Pennsylvania Birds quarterly report form. Carbon County, by David Hawk, 1st, 2nd, and 4th quarters of 1999
- Folder 15 - Lake Minns birds, by Sherri Labar. 2002

11.3 Bounty Payment Records

Folder 1 – Bounty Payments in Lehigh County, 1819-1839, by Melville J. Boyer (Proceedings of the Lehigh County Historical Society, v. 29, p. 77-81, 1972); Summary reports on bounties paid on predators by PA Game Commission, 1947-1962 (15 sheets)

Prepared by:

Barbara L. Wiemann

November 6, 2017

Latest rev. Jan. 18, 2024

Collection 12
Blue Mountain Preservation Association
1 box and 1 framed award

Note : The Blue Mountain Preservation Association was formed to oppose the construction of the Alpine Rose race track on Blue Mountain near the Appalachian Trail in Eldred Township, Monroe County. The Lehigh Gap Nature Center and the Appalachian Trail Conservancy were also instrumental in preventing the development.

By 2023, the Association had disbanded and the leaders are deceased (information provided by Dan Kunkle)

Framed award: Environmental Partnership Award, 2013, to BMPA for forging environmental partnerships and bringing protection and stewardship to Northeastern Pennsylvania environmental resources. Presented by the Northeastern Pennsylvania Environmental Partners: Northeastern Pennsylvania Alliance; PA Dept. of Conservation and Natural Resources; PA Dept. of Environmental Protection; PA Environmental Council; PPL Corporation; Proctor & Gamble Paper Products Company; Wilkes University.

Approximately 13 x 16 inches

Boxed Award: Pennsylvania Association of Environmental Professionals (PAEP) 2014 Walter Lyon Award to BMPA. Laminated biography of Walter A. Lyon in box. Box approximately 11.5 x 14 x 3 inches.

Prepared by
Barbara L. Wiemann
January 11, 2024

Collection 13

Palmerton Citizens for a Clean Environment

Note: In 1982, the US Environmental Protection Agency placed Palmerton on its Superfund list. The designation included 4 operable units: 1. Blue Mountain; 2. Cinder Bank; 3. Palmerton soil and health; 4. Ground and surface water, Stoney Ridge. In 1990, a group of women formed a community citizens group, Palmerton Citizens for a Clean Environment (PCCE) to advocate for the remediation of the town's environment. In response, other residents organized groups to counter what they felt was PCCE's negative image of Palmerton and provide a positive image of the town and its opportunities.

In December 2023, Theresa Roberts donated materials collected by several members of PCCE to the Lehigh Gap Nature Center archives. In March 2025, Bruce F. Rowell, who was a consultant employed by McTish Kunkel, donated 3 studies. The material was sorted, organized, and inventoried in 2024 and 2025.

- Box 1 Series 1 – Palmerton Citizen for a Clean Environment**
- 1.1 Incorporation, constitutions, IRS tax exempt**
 - Folder 1 – articles of incorporation Oct. 25, 1990; constitution, undated; amended constitution, 1994; tax exempt paperwork, Oct. 1991; blank stationery
 - 1.2 Meeting minutes, mission statements, action plans**
 - Folder 1 – minutes. Aug 2, 1990 – May 17, 2007 (many gaps, often a year or more)
 - 1.3 Financial**
 - Folder 1 – treasurer's reports Nov. 1990 – Oct. 1992; Hospital Festival financial report, 1992; TAG funding 1992-1993; 2 bills from Peter Coons, 1996; 2001, 2004 statement from McTish, Kunkel; undated membership trifold and form; TAG booklet for community groups; TAG customer satisfaction survey; 2 computer discs with tech reports produced with TAG grants, 1990-2000
 - 1.4 Newsletters, Publicity, Position Statements**
 - Folder 1 – Newsletter: Clean Up Times, issue 1, Feb. 1991 – v. 15, issue 1 summer 2005 (many missing issues)
 - Folder 2 – Press releases, publicity by and for PCCE, letters to members
 - Folder 3 – Position papers and statements
 - 1.5 Correspondence**
 - Folder 1 – Elected officials: 1991 Albert Koch, Keith McCall, Harris Wofford, Paul Kanjorski, James Rhoades; 1992 Kanjorski; 1994 Kanjorski; 1996 Rhoades, McCall; 2000 Camille George; 2004 Kanjorski, McCall; 2005 Rhoades
PETF: 1994, 1995
Horsehead: 1990, 1991, 1994
Palmerton Boro: 1993, 1994
Miscellaneous: Lower Anthracite project, 1991; Kinghorn & Associates, 1992; Mr. Rajkowski, 1996; Charles Elliot, 1998
From Palmerton residents opposed to PCCE: 1991-1998
 - Folder 2 – Government agencies, environmental organizations, 1990-2005
PA Dept. of Environmental Resources; DV Toxics Coalition; National Park Service; Univ. of Tennessee; US Dept. of Health and Human Services; Joint Commission on Accreditation of Healthcare Organizations; US Dept. of Agriculture; Independent Regulatory Review Commission; Wilkes University; PA Dept. Of Environmental Protection; US Fish and Wildlife Service; Univ. of Pennsylvania; PA Dept. Of Health
- Series 2 – Other community groups and local governments**
- 2.1 Pro-Palmerton Coalition**

Folder 1 – Newsletters, July & September 1991; letters to citizens of Palmerton; correspondence with legislators; anti-EPA window sign

2.2 Palmerton Chamber of Commerce

Folder 1 – Palmerton Area Residents Opinion Survey Final Report, Jan. 27, 1992, conducted by Parkwood Research Associates for PCC (ca 60 p.); letters to residents and EPA

Folder 2 – Open letters and community reports printed in the Times News, Nov; 12, 1991, Sep 10. 1992-Mar. 11, 1993

Box 2

2.3 Palmerton Environmental Task Force

Folder 1 – Newsletters, no. 1-3, 5-8, 10-11, 18, 21 (March 1995-Sept 1999)

Folder 2 – Correspondence, flyers, meeting notices; lead, cadmium & zinc leaflet

2.4 Borough of Palmerton

Folder 1 – Correspondence relating to Superfund and environmental issues with EPA, citizens, National Environmental Trust Fund, IRM Anti-skid material, PCCE; dredging Aquashicola Creek, lead-safe home grant program, establishing grass in borough park, water supply

2.5 Citizens Advisory Panel

Folder 1 – Letter announcing first meeting on June 4, 1991, meeting agenda, and list of panel members

2.6 Citizens Advisory Council to PA DEP

Folder 1 – Report on the Northeastern Field Trip, Oct. 1996; 1996/97 annual report; report on the 2000 regional field trip, Sep. 2000; correspondence to PCCE and Horsehead, Dec. 2001; 2000/2001 annual report

Series 3 – New Jersey Zinc, Gulf + Western, Horsehead, Zinc Company of America, Viacom. Paramount

3.1 Organizational structure, personnel

Folder 1 – HRD incorporation papers, 1987; (New) Zinc Corporation of America, pamphlet, 1988; Introducing HRD, leaflet, 1989; Davis quote, 1990; stock filing, c1990; profiles of management employees, c1991; HRD profile, from Environmental Information LTD, 8 p., 1991; 1991 and 1993 annual meeting; HRD 1st and 3rd quarter reports, 1991; HRD annual report, 1992 congratulatory proclamation to HRD from Lt. Gov. Mark Singel, c1987-1995; HRD financials, from Market Guide Inc., 1996; Horsehead Industries bankruptcy hearing, 2004; Horsehead environmental statement from web site, no date

3.2 Press releases, public relations, community involvement

Folder 1 – 7 letters from schools and legislators supporting company, 1984; letter from Terry Costenbader regarding plant operations; position paper on health effects from soil and dust contaminants, 1991; 9 press releases, 1991-1994; 3 employee communications, 1990-1992; 9 communications to residents, 1990-1997; company community operations: Zinc Environmental Information Center, Neighbor Helping Neighbor, and Horsehead Community Development Fund

3.3 Plant operations

Folder 1 – Acid digestion of aqueous samples...report, 1986; waste analysis plan, 1 p. appendix from larger report, c1988; HRD flame reactor process, 1989; HRD Resource Recovery Division report, 1989; master list of purchased materials, no date; Monaca electrothermic smelter: The old becomes the new, by Roger Williams, ZCA, article in Lead-Zinc '90; HRD metals recovery services, leaflet, 1991; EPA toxic chemical release inventory reporting forms, 1995; letters regarding disposal of excess zinc from strategic stockpile, 1996; HRD technology description, 1996; article about HRD envirosources statement, 1998; article by Al Zagofsky about new Horsehead Corporation, 2006

3.4 OSHA actions

- Folder 1 – OSHA citations and notice of penalty, 1989; ZCA settlement of 295 citations with fines and health and safety improvements, 1989
- Folder 2 – OSHA citations and notice of penalty, 1991; letter contesting all citations, penalties and abatement requirements, 1991; PCCE request to OSHA for information

Box 3

3.5 Permits from DEP, DER, EPA

- Folder 1 – Operating permits from PA Dept. of Environmental Resources Bureau of Air Quality Control, 1984-1988; PA Bureau of Solid Waste Management violation notice, 1985; DER discharge permit for Lehigh and Aquashicola Creek, 1987, permit for corrective action and fact sheet by ZCA, c1988?; hazardous waste permit denial by PA DER, 1988; hazardous materials lists obtained from Dept. of Labor and Industry through Right to Know, 1989
- Folder 2 – Permit application for ZCA storage facility, 1989
- Folder 3 - Public notice for intent to issue permit by PA DER and US EPA, 1990; approval to modify air contamination source, 1991; discharge monitoring reports to comply with permit from PA DEP, 1995; HRD notification letter to Borough regarding application to DEP for permit, 1995; notifying letter regarding update on HRD hazardous waste permit, 2000; air quality program permit, Feb. 27, 2004

3.6 Superfund and environment issues

- Folder 1 – EPA consent order against NJZ, 1986; ZCA answer to notice of deficiencies, 1987; ZCA letter to PA DER regarding company's recycling/reclamation activities, 1987; DER objection to ZCA closure cost calculations, 1988; list of ZCA deficiencies identified by regulatory agencies, c1988; leaking truck citations, 1988-1989; ZCA agreement to pay hazardous waste penalties, 1989; EPA notice of 16 violations, June 30, 1989; EPA complaint and proposed penalties, Mar. 3, 1990; DER notices of violations to ZCA, 1991; HRD letters objecting to DER draft hazardous waste regulations, 1992; HI consent order for violations, 1995; court order allowing EPA to withhold addresses of people who participated in Superfund study, 1997; HRD petition to court to review order of Pollution Control Board in IL, 1997
- Folder 2 – Correspondence with EPA, 7 letters, 1991-1994
- Folder 3 – EPA facilities report for releases, 2001; water report for Lehigh and Aquashicola Creek, 2002-2003; DEP plan approval, 2004; EPA review of HI implementation of pollution control consent decree, 2004; DEP letter to PCCE about consent decree, 2004; DEP notice of violation, 2004; EPA to HI regarding pollution reduction technology, 2004; EPA enforcement and compliance history for ZCA and HI, 2002-2004; DEP letter to PCCE about dust and odor issues, 2005

Series 4 – Palmerton studies and reports not generated by EPA or NJZ

Folder 1 - Bibliographies

- Bibliography of papers related to excessive zinc and cadmium at Palmerton, PA, by Rufus L. Chaney, USDA-ARS, 6 p., Nov. 1, 1991
- [No title] 8 p. 1991
- Index of PCCE reference materials. 9 p., 1992
- [Bibliography of Palmerton articles not generated by EPA or ZCA, compiled by Cindy Tibbott of US Fish and Wildlife Service, 1995

4.1 Non-scientific articles about the town

Folder 1

- Life. Jan. 8, 1971 [one paragraph about town]
- Palmerton co-ed urges action to curb pollution [undated clipping about Kathy Lendvay, a sophomore at Penn State]
- Conally, John. The hazard of circumstantial evidence (4 p., undated, before 1990)

- Schleicher, David. Superfund's abandoned hazardous waste sites (in But is it true?: a citizen's guide to environmental health and safety issues, Harvard University Press, 1995, p. 153-184)
- Koons, Steven. Zinc Company is key to Palmerton's success (Avenger, v. 98-99, issue 2, Dec. 1998, p. 3, 10)
- Is the water dirty or not? (Kutztown University Magazine, Summer 2001, p. 12)
[article about Zach Zazo and Palmerton water]
- Urban, Mark C. The town that sold its sunset. (River teeth: a journal of nonfiction narrative, v. 5, no. 2, Spring 2004, p. 90-102)

4.2 Scientific studies

Folder 1 – 1970s

- Buchauer, Marilyn J. Contamination of soil and vegetation near a zinc smelter by zinc, cadmium, copper, and lead (Environmental Science & Technology, v. 7, no. 2, p.131-135, Feb 1973)
- Specht, Winona L. The effect of heavy metals upon the diversity and abundance of benthic macroinvertebrates: a thesis in ecology (Pennsylvania State University, Dept. of Biology, Dec. 1973, 43 p.)
- Jordan, Marilyn J. Effects of zinc smelter emissions and fire on a chestnut-oak woodland (Ecology, v. 56, no. 1, p. 78-91)
- Nash, Thomas H. III. Influence of effluents from a zinc factory on lichens (Ecological Monographs, 45, no 2, p. 183-198, Spring 1975)
- Jordan, Marilyn J. and Mary P. Lechevauer. Effects of zinc smelter emissions on forest soil microflora (Canadian Journal of Microbiology, v. 21, p.1855-1865, 1975)
- Baker, Edward L. et al. Nationwide survey of heavy metal absorption in children living near primary copper, lead, and zinc smelters (American Journal of Epidemiology, v. 108, no. 4, p. 261-273, 1977)
- Strojan, Carl L. The impact of zinc smelter emissions on forest litter arthropods (Oikos, v. 31, p. 41-61, 1978)
- Strojan, Carl L. Forest leaf litter decomposition in the vicinity of a zinc smelter (Oecologia, v. 32, p. 203-212, 1978)

Folder 2 – 1980-1985

- Palmerton air emission historical trends, 1900-1979, 1 p.
- Letters to Dr. Rennie Shoop, with analysis of soils, forage crops and cattle feces, March 3 & 5, 1980, 20 p. [See Chaney, Rufus L, for published paper, 1988]
- Letter from Rufus L. Chaney to Henry A. Albert, with further sampling garden soils and crops, Dec. 1, 1980, 14 p. [See Chaney, Rufus L., for published paper, 1988]
- Johnson, A. H., et al. Spatial and temporal patterns of lead accumulation in the forest floor in the northeastern United States (Journal of Environmental Quality, v. 11, no. 4, p. 577-580, 1982)
- Gunson, Diane E., et al. Environmental zinc and calcium pollution associated with generalized osteochondrosis, osteoporosis, and neoplasia in horses (Journal of the American Veterinary Medical Association, v. 180, no.3, p. 295-299, Feb. 1, 1982)
- Beyer, Nelson. The smoke that settled over Palmerton (New Jersey Audubon, v. 9, no. 3, p. 14-16, Summer 1983)
- Brown, Linda Morris, et al. Lung cancer in relation to environmental pollutants emitted from industrial sources (Environmental Research, v. 34, p. 250-261, 1984)
- Beyer, W. N., et al. Contamination of the O2 soil horizon by zinc smelting and its effect on woodlouse survival (Journal of Environmental Quality, v.13, no. 2, p.247-251, 1984)
- Letter from Charles J. Kulp with results of analysis of fish taken from Palmerton Superfund site, Feb. 19, 1985, 6 p.
- Sileo, L. and W. N. Beyer. Heavy metals in white-tailed deer living near a zinc smelter in Pennsylvania (Journal of Wildlife Diseases, v. 21, no, 3, p. 289-296, July 1985)

Box 4

Beyer, W. Nelson, et al. Metal contamination in wildlife living near two zinc smelters (Environmental Pollution, Series A, v.38, p. 63-86, 1985)

Folder 3 - 1985

Washington, John William. Metallic contamination surrounding a zinc smelter: a thesis in environmental pollution control (Pennsylvania State University, Aug. 1985, 245 p.)

Folder 4 – 1987-1989

Letter from Gerrit J. Jobsis to EPA with fish fillet sample analysis, July 29, 1987, 4 p.

Beyer, W. Nelson. Damage to the forest ecosystem on Blue Mountain from zinc smelting (Trace Substances in Environmental Health, v.22, p. 249-262, 1988)

Chaney, Rufus L., et al. Effects of zinc smelter emissions on farms and gardens at Palmerton, PA (Trace Substances in Environmental Health, v. 22, p. 263-280, 1988)

Baker, Dale E., and Mark E. Bowers. Human health effects of cadmium predicted from growth and composition of lettuce in gardens contaminated by emissions from a zinc smelters (Trace Substances in Environmental Health, v. 22, p. 281-295, 1988) plus graphs of results

Oyler, John A. Remediation of metals-contaminated site near a zinc smelter using sewage sludge/fly ash amendments: herbaceous species (Trace Substances in Environmental Health, v. 22, p. 306-320, 1988)

Oyler, John A. Reclamation of metals-contaminated site near a zinc smelter using sewage sludge/fly ash amendments: herbaceous species (International Symposium on Land Subsidence Proceedings, v. 1, Dec. 11-15, 1989, p. 535-546)

Folder 5 – 1990-1996

Delffs, Dudley J. Jr. Palmerton zinc: a Superfund case study (Case study 8 in The Superfund process: site-level experience, published as part of the University of Tennessee's Hazardous Waste Remediation Project, Feb. 1991, 47 p.)

Baker, Dale E. Interdependence of zinc, cadmium and lead in soils of Palmerton related to health of plants, animals, and humans (State College, PA, Sep. 1991, 10 p.)

Carline, Robert F., and Gerrit J. Jobsis. Assessment of aquatic communities in the vicinity of the Palmerton, Pennsylvania, zinc smelters (Environmental Toxicology and Chemistry, v. 12, p. 1661-1670, 1993)

Beyer, W. Nelson, and Gerald Storm. Ecotoxicological damage from zinc smelting at Palmerton, Pennsylvania (typewritten, [30] p., May 11, 1993)

Storm, Gerald L., and Richard H. Yahner and Edward D. Bellis. Vertebrate abundance and wildlife habitat near the Palmerton zinc smelters, Pennsylvania (Archives of Environmental Contamination and Toxicology, v.25, p. 428-437, 1993)

Tunnell, Diana M. Soil washing evaluation program for Palmerton zinc site (Proceedings, seventh national conference on undergraduate research, Univ. of North Carolina at Ashville, v. III, July 1993, p.1430-1434)

Storm, G.L., and G.J. Fosmire and E.D. Bellis. Persistence of metals in soil and selected vertebrates in the vicinity of the Palmerton zinc smelters (Journal of Environmental Quality, v.23, p. 508-514, May-June 1994)

Snyder, Brian M., et al. Evaluation of soil-washing process for “unwashable” clays and silts from the Palmerton zinc site. (Remediation, p. 69-80, winter 1995-1996)

Hill, Robert J. In a company town, when you need help, where do you turn?: the effects of ideological colonization on democratic life in an industry-polluted community in Appalachia (6 p. computer printed, Feb. 20, 1996)

Hill, Bob. Little white flowers now blooming in Palmerton: are they an indicator of an environmental problem? (unpublished, letter to Louis Calvin, June 6, 1996, 3 p.)

Series 5 – US Environmental Protection Agency**5.1 Palmerton public information**

Folder 1 – Zinc Site, the agency newsletter for residents, July 1990-Jan 2005 [issued irregularly with title variations, probably missing issues]

Folder 2 – Eight news releases, May 14, 1991 – Oct. 11, 2001

5.2 Letters and freedom of information requests to the EPA

- Folder 1 – Letters: 1984 with Arlen Specter (21 p.); 1988 letter from Steve Borbe; 1991 letters and correspondence with W. R. Bechdolt, Louise Calvin, Mary Dutko, Carol Gross, Michelle Kattner (15 p.), Albert Koch, Paul and Mary Krepicz, J. Arthur Marvin, Kathleen Rehrig, Robert Reynolds, Winston Scherer, David Schoen, Charles Umstead, Dolores Ziegenfus; 1993 correspondence, J Arthur Marvin; 1997 Kathleen Rehrig; 2004 Kathleen Rehrig
- Folder 2 – Freedom of Information requests: 1987 Christopher Bales; 1988 Nicea D’Annunzio, Susan Hensel; 1989 James Fortney, David Sauer; 1991 David Christoffersen, Charles Snelling, Harry West; 1995 Ellen Colangelo; 1996 Robert Hill

5.3 EPA Palmerton background, decisions, progress (not limited to an operable unit)

- Folder 1 – 1982-2004
 - 1982 memo, CDC, review of documents and suggestions for needed studies
 - 1984 letter from Albert Koch to Arlen Specter to defer start of study
 - 1986 Technical Bioassessment Work Group report with 1988, 1990 and 1991 memos
 - 1988 Palmerton zinc superfund site revised community relations plan (22 p.)
 - Undated, unsigned administrative order on consent, after 1987
 - 1990 and 1996 letters requesting Superfund information with the same information sent in response to both requests
 - 1991 June 10 summary of activities at Palmerton
 - c1992 summary of EPA actions, unknown author, excerpts from unknown document (10 p.)
 - 1995 Palmerton zinc site timeline
 - 1996 June 11 Superfund work session meeting notes with criteria for deleting a site from the National Priorities List
 - 1996 chart of timeline 1996-2005 to complete out Palmerton Superfund Site
 - 1999-2000 letters from/to PETF and PCCE about status of work
 - 2001 letter about final draft ecological risk assessment
 - 2003 December preassessment screen determination for the Palmerton zinc pile superfund site, by PA DCNR, FBC, GC, US Dept of Commerce and Interior as trustees of natural resources (26 p.)
- Folder 2 – 2004-2007
 - 2004 Apr. 26 letter, Louise Calvin, PCCE, about EPA work at Palmerton
 - 2004 Aug. 10 letter to Louise Calvin, PCCE, about EPA work at Palmerton
 - 2005 May status update for Palmerton zinc superfund site
 - 2005 July Palmerton zinc pile superfund site natural resource damage assessment plan, by Palmerton Natural Resource Trustee Council (vi, 41 p.) with comments by interested parties (WIC, PCCE, PTC, and ATC)
 - 2006 December 2 superfund work session (21, 9 p. with charts)
 - 2007 September third five-year review report for Palmerton zinc pile superfund site (ix, 43 p. plus maps, attachments, references)

Box 5 Series 6 – Operable unit 1 – Blue Mountain and re-vegetation

- Folder 1 – EPA decision
 - Apr. 1987 – Palmerton Zinc Superfund Blue Mountain Project
 - Sept. 1987 - Declaration for the record of decision
- Folder 2 - EPA related
 - 1986 ATSDR review; 1987 Carbon County letter; 1987 letter regarding spreaders on mountain; 1989 regarding sewer sludge disposal; 1990 community meeting
- Folder 3 – Re-vegetation by Horsehead and successors; aerial views of vegetation damage, 1938-1977 (5 images)
 - 1988 Palmerton zinc off-site study area draft of remedial investigation and risk assessment, prepared for Gulf+Western; undated Horsehead sheet about their reclamation efforts; 3 brochures about Horsehead land reclamation, remediation services, and ecoleam, 1989,

1991-1992; 1990 Oct 9 press releases about re-vegetation; 1996 EPA letter denying request to stockpile sludge

Folder 4 – Articles about re-vegetation

Life after death for Blue Mountain, by Julie Lalo (Pennsylvania Wildlife, v. VIII, no. 5, p. 26-30, 1988)

The greening of Blue Mountain (Compressed Air Magazine, 1989, 3 p.)

Reclaiming Blue Mountain: the greening of a “biological desert” in Palmerton, Pennsylvania, U.S.A. (Ecologia newsletter, issue 3, p. 1, 3-4, Jan 1990)

Plants to the rescue, by A. Maureen Rouhi (Chemical Engineering News, p. 21-23, Jan. 13, 1997)

Green remediation: using plants to clean the soil, by Don Comis (Journal of Soil and Water Conservation, p. 184-187, May-June 1997)

The sludge dilemma (1 p., c2003)

Pennsylvania’s Palmerton zinc pile: Blue Mountain, Stony Ridge, Aquashicola Creek, and the Lehigh River (2 p. handout from Natural Resource Damage Assessment and Restoration Program, April 2004)

Natural Resource Trustee activities at the Palmerton zinc pile superfund site (4 p fact sheet explaining work, April 2004)

Are Palmerton’s “flowerless plants” telling us something (1 p.)

Series 7 – Operable unit 2 – The cinder bank

Folder 1 EPA decisions

Evaluation of runoff and discharges from New Jersey Zinc Company ... (National Enforcement Investigations Center 1979, 181 p. plus appendices)

Folder 2 EPA decisions

Remedial action alternatives for operable unit 2 (1 p.)

Selected alternative for operable unit 2 (1 p.)

Technical bioassessment work group report, Mar. 12, 1986 (6 p.) and Sep. 4, 1987 comments (1 p.)

Responsiveness summary (5 p., undated)

Declaration for the record of decision (3 p., June 29, 1988) and PA Dept of Environmental Resources letter of concurrence, June 30, 1988

Final responsiveness summary Palmerton zinc superfund site operable unit 2: the cinder bank (12 p., July 21, 1988)

Decision summary (multiple paging)

Letter from PA Dept of Environmental Resources to Palmerton Borough Council re regulatory status of cinder bank (2 p., July 16, 1992),

Explanation of significant difference, Palmerton zinc pile superfund site (8 p., Aug.2002)

Folder 3 Action by Horsehead and successors

Quality assurance plan for additional studies for remedial action at cinder bank superfund site (multiple pagings, Feb. 1992)

Site health and safety plan for additional studies for remedial action at cinder bank superfund site (10 p., Feb. 1992)

Letter from ZCA to Palmerton Borough manager re cinder bank studies and remedial action (1 p., May26, 1992)

Some facts on the Palmerton cinder bank (public mailing by ZCA, 1 p., June 5, 1992)

Letter from Robert Bennett Jr. to ZCA re Borough position on cinder bank (1 p., June10, 1992)

Folder 4 Analysis of OU2 plans by McTish Kunkel for PCCE

Reports dated March 8, 9, 15, April 14, 27, and May 14, 1992 analyzing EPA plans

PCCE public meeting with questions about EPA plans and EPA responses, Oct. 17, 2002

Folder 5 Technology used at cinder bank

Technology demonstration summary, DuPont/Oberlin microfiltration system, Palmerton, Pennsylvania (EPA report, 1990)

Instruction manual for Ecolyzer 2000 series sulfur dioxide [and] carbon monoxide monitors (multiple pages, c1992?)

Series 8 – Operable unit 3 – Palmerton soil, air, health

Folder 1 EPA decisions

Review of proposed community health study and pollution, by Clinical Chemistry Division of the US Dept. of Health and Human Services (18 p., Dec. 1983)
Palmerton zinc site final responsiveness summary, by US EPA Region III (97 p., Sept. 30, 1986)
Close-out special bulletin, Palmerton zinc OU #3 site, by Mark Towle, on-scene coordinator (20, 91 p., Mar. 25, 1998)
Superfund program proposed plan, Palmerton zinc site, operable unit #3, community soils (27 p., June 2000)
Responsiveness summary for the proposed remedial action plan at the Palmerton zinc pile Superfund site, operable unit #3, community soils (45 p., Sep?, 2000)
Review of two cleanup scenarios in record of decision, prepared by or for PCCE (5 p., 2001?)
Letter, PA DEP to EPA concurring with the selected remedy in the draft final record of decision (2 p., Oct 4, 2001)
Record of decision, Palmerton zinc pile Superfund site, operable unit #3, community soils (72 p., Oct. 9, 2001)
Letter, EPA to PCCE regarding record of decision and expected progress (2 p., Feb. 26, 2002)

Box 6

Folder 2 OU3, 1983-1989

EPA memo regarding possible community health survey (11 p., Sep 12, 1983)
EPA memo regarding community health survey (2 p., Dec 2, 1983)
Center for Environmental Health memo about Palmerton health (15 p., Dec. 6, 1983)
Arlen Specter on behalf of constituents, 1984-1985 (includes letters from Carbon County commissioners and others)
EPA memo regarding epidemiologic studies at Palmerton, in response to Carbon County commissioners (3 p., Jan 8, 1985)
Dept of Health and Human Services review of cancer mortality rates in Palmerton (4 p., Feb. 15, 1985)
PA Dept of Health cancer registry data, 1985 (unpaged)
Bioassessment Work Group memo with minutes about work plan, 1986 (12p., Mar. 1988)
ATSDR health assessment for Palmerton (5 p., Feb. 4, 1987)
Toxic releases by facility in PA [emissions for 1988] (14, 2 p.)
Correspondence, Terry Costenbader, Oct. 1988-Mar. 1990
Correspondence, Charles A. Smyder Jr., Feb-Apr. 1989
Letter, Carolyn Farling, June 29, 1989
Multi-media compliance investigation and solid waste management unit review of ZCA by EPA (140 p., Aug. 1989)
Correspondence, Teresa Roberts, Nov. 1989-Mar 1990

Folder 3 OU3 – 1990 - August 1991

Letter, EPA to Roberts, with responses to 15 questions and c45 pages of information on Superfund site, Feb. 16, 1990
Sampling results from 3 Palmerton properties, July 1990 (6 p.)
Phone conference notes, PCCE with EPA and Kanjouski's aides, July 26, 1990
Letter, PCCE and EPA, with attached documents, Aug. 16, Aug. 31, Sep. 5, 1990
Health survey on households in the Palmerton area by Peters and Ozales for PCCE (4 p., dated Labor Day weekend, possibly 1990)
Davis statement at PA DER hearing, Sep. 6, 1990 (1 p.)
Letter, PCCE to EPA, Oct. 1, 1990
Letter, Palmerton School District to PCCE, regarding air monitoring device on school property, Oct. 11, 1990
Letter to Linda Holland regarding lead testing sample (1 p., Oct. 12, 1990)
Letters from congressmen regarding health concerns (Nov-Dec 1990)
Palmerton air monitoring results with 1990 data, from Horsehead
EPA form letter informing citizens that questions and concerns would be addressed in March fact sheet mailed to them (Feb 8, 1991)
Description of a health study for residents living near the Palmerton zinc site, summer, 1991 (5 p., Feb. 14, 1991) with undated 2 page summary of plan

Palmerton dust sampling, Jan 10, 1991 (3 p., Mar 4, 1991)
 Letter from PA Dept. of Health regarding need for health study (1 p., Mar.12, 1991)
 Letter from BTAG with comments on draft RI and RA (1 p., April 11, 1991)
 Letter, James Ord to Teresa Roberts, with attachment of 1987 heavy metal study of gardens in Palmerton (4 p., April 14, 1991)
 Description of a health study for residents living near the Palmerton zinc site and a comparison community, summer 1991 (7 p., Apr. 26, 1991)
 Letter, EPA to Sandra Peters, May7, 1991
 Letter, PCCE to EPA, June12, 1991
 Biological indicators of exposure to cadmium and lead, summer 1991, draft by AFTSDR (c45 p., May 29, 1991)
 Policy towards owners of residential property at superfund sites (10 p., July 3, 1991)
 EPA critique of conclusions of Palmerton zinc off-site study area, by R. E. Wright Inc (4 p., July 10, 1991)
 Palmerton Hospital results of children's blood level testing (10 p., July17, 1991)
 Letter, PA Dept of Health seeking cooperation for upcoming lead/cadmium study in Palmerton and Jim Thorpe (1 p., July19, 1991)
 Letter regarding trucking toxic materials to ZCA plant (1 p., July,26, 1991)
 Letter from Louise Calvin urging EPA to clean up Superfund site (July 30, 1991)
 Letter from Martha Skorinko seeking Congressman Kanjorski's help in delaying EPA soil removal (July 30, 1991)
 Correspondence with Michele Kattner expressing her concern for EPA actions (10 p., July-Aug 1991)
 Correspondence, EPA and McCall, regarding soil testing, Aug. 1991
 Letter from Palmerton Hospital regarding blood lead testing results (2 p., Aug. 27, 1991)

Folder 4 OU3 September – December 1991

Notice to Paramount Communications of potential liability and offer to negotiate for removal action (4 p., Sept. 3, 1991); with 3 Paramount reply letters (Oct. 25, Nov. 8 and Nov 20, 1991)
 Sample log for Palmerton sites from CDM Federal Programs Corp. as part of EPA contract (approx. 50 p., Sep.3, 1991)
 Letter to homeowners announcing soil and dust sampling results (2 p., Sept. 5, 1991)
 Statistical analysis of soil and dust data from Palmerton, PA (26 p., Sept. 6, 1991) with recommendations (2 p. Sept 16, 1991)
 Letter, Horsehead to Roberts, comments at DER hearing
 Letter, EPA to PCCE, soil testing and dust issues, Sep. 13, 1991
 Palmerton lead removal protocol, by Gradiant Corp. (8 p., Oct. 23, 1991)
 Correspondence, PCCE and EPA, request for information and reply, Aug. 10, Nov. 12, 1991
 Memo from B. F. Rowell regarding Palmerton zinc sample log (2 p., Dec? 1991)
 Correspondence, EPA, PennDOT and PCCE, anti-skid material, Dec. 39, 1991, Jan. 29, 1992

Folder 5 OU3 January – April 1992

Memorandum, Dale Bruns to Paula Valunas, review of soil samples from Palmerton residences (4 p., Jan. 5, 1992)
 Letter, Brian Redmond to Valunas, review of soil samples (5 p., Jan 6, 1992)
 Summary report by Valunas, review of soil samples for PCCE (3 p., Jan. 9, 1992)
 Second amendment to administrative order by consent, Horsehead Industries signed Feb. 5, 1992 (13 p.)
 Consent order for access to properties for sampling, not signed, EPA (8 p., Feb. 11, 1992)
 Letter, EPA to Paramount Communications, correcting date in order by consent (3 p., Feb. 13, 1992)
 Report, NTH Consultants for ZCA, work plan to address house dust cleaning and residential sampling (c220 p., Feb. 14, 1992)
 Letter, EPA to Horsehead, regarding order by consent (1 p., Feb. 25, 1992)
 Letter, EPA to Borough of Palmerton, with summary of activity schedule for 1992 for all 4 operable units (3 p., Feb. 26, 1992)

Letter and documents, EPA to James Fortney, EPA information supplied in response to 1989 FOI request (20 p., Mar. 6, 1992)

Residents information package, house dust cleaning and residential sampling program, prepared by NTH Consultants (34 p., Mar. 6, 1992)

Appendix F- Environmental sampling/test forms (15 p., 1992?)

Folder 6 OU3 May – December 1992

Letter, PCCE to EPA, proper use of TAG grant funds (1 p., May 2, 1992)

Memo, Bruns to Valunas, comments after reviewing of Palmerton documents (6 p., May 6, 1992)

Letter, US Dept. of HHS to Kathy Ozalas, statistical analysis underway, results will be sent to participants (1 p., June 1, 1992)

Letter, ZCA to EPA, concerns about homeowner rights for access to dust sampling (6 p., June 4, 1992)

Letter, ZCA to EPA, second amendment to administrative order concerns, with EPA reply (6 p., June 4, June 23, 1992)

Report, house dust sampling results, by Dynamac Corp. (c35 p., June 4, 1992)

Report, comparison of Dynamac's and NTH's household lead data in 3 Palmerton homes (4 p., June 9, 1992)

Memo, proposed preliminary soil-washing evaluation program for Palmerton zinc site, by Lafayette College (8 p., June 23, 1992)

House dust sampling results, prepared by McTish, Kunkel for PCCE (1 p., July? 1992)

Memo, B. F. Rowell to PCCE, summary review of the review of Palmerton zinc off-site study area (4 p., July 6, 1992)

Memo, Rowell to Bruns, review of MKA summary report (2 p., July 29, 1992)

Memo, Rowell to Bruns, point 3 site specific comments on toxicity of Pb (4 p., July 29, 1992)

Contour maps of lead, cadmium, and zinc concentrations in the soil around Palmerton (3 maps, maked figure 6-3, 6-4, and 6-5)

Report, MKA to PCCE, review of Palmerton zinc off-site study area (4 p., July 31, 1992)

Report, MKA to PCCE, heavy metals distributions versus soil types (12 p., July 31, 1992)

Letter, MKA to PCCE, task schedule 4 assignments (2 p., Aug. 6, 1992)

Release, PCB cleanup work planned at East Palmerton substation, by PPL (1 p., Sep. 8, 1992)

Letter, EPA to McTish, Kunkel, supplying MK with copy of 1988 off-site study area draft of remedial investigation and risk assessment (1 p., Sept. 8, 1992)

Agenda for Palmerton/Jim Thorpe Community Assistance Panel meeting, Sep. 29, 1992 (1 p.)

Report, MKA to PCCE, review of Palmerton zinc off-site study area (7p., Oct. 8., 1992)

Report, MKA to PCCE, review of PADER dustfall jar sampling results (9 p., Nov. 10, 1992)

Letter, EPA to Horsehead, house dust cleaning report by Horsehead disapproved (6 p., Dec. 1, 1992)

Report, MKA to PCCE, review of Palmerton zinc site ... (7 p., Dec. 10, 1992)

Report, MKA to PCCE, the year in retrospect (8 p., undated)

Leaflet, information on lead, cadmium & zinc, by PETF (1 p. trifold, 1992?)

Box 7

Folder 7 and 8 OU3 1993

Palmerton zinc site field trip report: final report, by EPA (1993 date from maps, 2 v.) [results from residential sampling in Palmerton and Jim Thorpe conducted by EPA in fall 1991] with abstract

Folder 9 OU3 1993

Letter, PCCE to EPA, proposed PCCE clean-up plan, Jan. 6, 1993

Letter, R. L. Bornsheim to Dolores Ziegenfus, with documents he is submitting in preparation for Jan. 12 visit to Palmerton (7 p., Jan. 7, 1993)

Report, B.F. Rowell to PCCE, Palmerton zinc site second draft field trip (4 p., Jan. 14, 1993)

Report, B.F. Rowell to PCCE, house dust sampling results, task schedule 5 (3 p., Jan. 21, 1993)

Public health assessment, Palmerton zinc pile site, by PA Dept. of Health (28 p., Jan. 28, 1993)

Memo, EPA to Office of Emergency and Remedial Response, funding of hazardous substances removal in town (9 p., Mar. 11, 1993)

Memo, US Dept. of HHS to EPA, health consultation (16 p., Apr. 12, 1993)

Report, ATSDR, biological indicators of exposure to cadmium and lead, part I (189 p., April 1993)

Freedom of information request, PCCE to EPA, letter and responding material, Apr. 21, 1993

Report, Robert H. Hosking to PCCE, review of biological indicators of exposure to cadmium and lead, part I (9 p., June 24, 1993)

Correspondence, EPA and Horsehead, legal protections for homeowners, Dec. 8 and 17, 1993

Letter, EPA to PCCE, freedom of information request and TAG information, Dec. 15, 1993

Folder 10 OU3 January-April 1994

Report, McTish, Kunkel to PCCE, summary and comments on review of ATSDR health consultation dated April 12, 1993 and summary and comments on review of proposed US EPA interim action plan as outlined March 11, 1993 ... (16 p., Jan. 24, 1994)

Memo, Roy L. Smith to Terry Stilman, toxicological consultation for Palmerton zinc pile superfund site (3 p., Jan. 31, 1994)

Memo, Stanley L. Laskowski to Elliot Laws, approval of a clarification of scope and change in project ceiling of an action memorandum for a removal action ... (11 p., Feb. 3, 1994)

Letter, PCCE to EPA, questions to EPA, Feb. 7, 1994 and Mar. 3 response

Letter, J. Arthur Marvin to Sara Sarasua, Palmerton health study (2 p., Feb. 25, 1994)

Letter, EPA to PCCE, responding to Jan, 8 letter, Feb. 28, 1994

Letter, PCCE to EPA, Horsehead mailing to Palmerton residents, Mar. 7, 1994

Letter, Terry Stilman to Palmerton residents, clean up of target group homes (Mar. 22, 1994, 3 p.)

Letter, EPA to Palmerton residents, clean up of target group homes (4 p., April 1994)

Report, ASTDR, biological indicators of exposure to cadmium and lead part II (55 p., April 1994))

Report, ATSDR, public health assessment (55 p., April 7, 1994)

Folder 11 OU3 May-June 1994

Fax, PCCE to EPA, request for phone conversation, May 4, 1994

Report, Ecology & Environment Inc., sampling QA/QC work plan (15 p., May 4, 1994)

Letter, EPA to Delores Ziegenfus, clean up issues (2 p., May10, 1994)

Letter, EPA to Palmerton residents, clean up of target group homes (4 p., May25, 1994)

Report, McTish, Kunkel to PCCE, summary and comments on review of biological indicators of exposure to lead and cadmium part II (13 p., June 9, 1994)

Report, ATSDR, final report biological indicators of exposure to lead and cadmium, part I (174, c50 p., June 1994)

Folder 12 OU3 June-August 1994

Memo, Elliott P. Laws to EPA regional administrators, revised interim soil lead guidance for CERCLA sites and RCRA corrective action facilities (25 p., July 14 ,1994)

Letter, PCCE to PETF, questions to be presented at symposium on July 29 (17 p., July 25, 1994)

Memo, PETF, summary and conclusions from Palmerton Scientific Symposium (8 p., Aug. 1, 1994)

Memo, Robert H. Hosking Jr. to Dale A. Bruns, Palmerton Scientific Symposium comments (14 p., Aug. 3, 1994)

Report, McTish, Kunkel to PCCE, summary and comments on a review of the Palmerton Scientific Symposium sponsored by PETF, July 29, 1994 (16 p., Aug. 16, 1994)

Letters, Charles Elliott to PCCE, return of documents, Aug. 18 and 19, 1994

Report, McTish, Kunkel to PCCE, summary and comments on a review of the Palmerton Scientific Symposium ... (30 p., plus c30 p. of appendix containing presentations from the symposium, Aug. 31,1994)

Folder 13 OU3 September-December 1994

Report, McTish, Kunkel to PCCE, summary and report on a review of the Palmerton Scientific Symposium ... (33 p. + c30 p of appendix, Sept. 15, 1994) [p. 1-25 of report are duplicate of Aug. 31 report in previous folder]

Letter, EPA to Teresa Roberts, release of sampling results identifying homeowners (2 p., Oct. 5, 1994)

Report, McTish, Kunkel to PCCE, summary and comments on a review of the hazardous substances source identification study ... June 1994 (11 p., Oct. 21, 1994)

Memo, Robert H. Hosking to Dale A. Bruns, recommendations on EPA environmental risk assessment for Palmerton superfund site OU-3 (5 p., Oct. 30, 1994)

Report, McTish, Kunkel to PCCE, summary and report on a review of the hazardous substances source identification study ... June 1994 (11 p., Nov. 4, 1994)

Letter, PETF to Thomas C. Voltaggio, task force input on risk assessment for OU-3 (2 p., Nov. 7, 1994)

Letter, McTish, Kunkel to Frederick N. MacMillan, input on risk assessment for OU-3 (9 p., Nov. 10, 1994)

Letter, PCCE to Frederick N. MacMillan, input on risk assessment for OU-3 (5 p., Nov. 11, 1994) [attachment missing]

Letter, ZCA to Frederick N. MacMillan, input on risk assessment for OU-3 (5 p., Nov. 14, 1994)

Letter, PETF to Frederick N. MacMillan, input on risk assessment for OU-3 (6 p., Nov. 14, 1994)

Letter, R.E. Wright Associates to Frederick N. MacMillan, input on risk assessment for OU-3 (4 p., Nov. 21, 1994)

Letter, William Bechdolt to EPA, Dec. 4, 1994, 2 p.

Charts, PA Dept. of Health, number of cancer deaths by civil divisions, 1994 (6 p.)

Folder 14 OU3 January-May 1995

Report, PA DER Bureau of Air Quality Control, lab report for January samplings (c28 p.) with 2 p. of comparisons to Bath, Nazareth and Easton samplings)

Statement, EPA, response to PETF request for a risk assessment (2 p., Jan. 24, 1995)

Statement, Ron Dennis to PCCE, comments for PCCE on proposed EPA rule (4 p., Jan. 31, 1995)

Letter, PETF to EPA, copy of Konig summary report for risk assessment (25 p., Feb. 8, 1995)

Letter, PCCE to EPA, draft comments on proposed rule 59 FR 67256 (5 p., Feb. 10, 1995)

Press release, PCCE, risk assessment (3 p., Mar. 1, 1995)

Letter, Umid Nejib to J. Arthur Marvin, MKA role in providing technical assistance to PCCE (2 p., with other related correspondence and documents (c26 p.) alleging errors by MKA, Mar.3, 1995)

Letter, PA DER to PCCE, expanded air sampling schedule (1 p. with 5 p. of data, Apr. 6, 1995)

Report, ATSDR, final report, biologic indicators of exposure to cadmium and lead, part II (c 63 p., May 1995)

Folder 15 OU3 June-December 1995

Agendas and documents, meetings of Risk Assessment Subcommittee of PETF, Mar. 1- Sep 19, 1995 (various pagings)

Record of conference call, 11 people, soil sampling (4 p., Aug. 18, 1995)

Letter, PA DEP to PCCE, air quality, Sep. 11, 1995

Report, MKA to PCCE, application of Monte Carlo simulation methodology for OU3 (6 p., Sep. 14, 1995)

Letters, EPA and PCCE, PCCE concern about releasing names of soil sampling participants (4 p., Oct. 4, 1995)

Memo, Superfund Health Risk Technical Support Center to EPA, rev. and partially updated draft of Toxicological Interactions of cadmium, lead and zinc (77 p., Oct. 23, 1995)

Letter, Robert L. Bornschein to Larry Zaragoza, EPA, lead exposure of children in Palmerton (4 p., Oct. 26, 1995)

Letter, PCCE to EPA, supporting a risk based approach to Superfund law and on-going cleanup and remediation (2 p., Oct. 26, 1995)

Memo, status of EPA residential cleanup operations as of Nov. 13, 1995 (2 p.)

Judgment of US District Court in favor of Viacom against EPA, granting release of property cleanup address (11 p., Nov. 17, 1995)

Report, MKA to PCCE, summary on application of Monte Carlo simulation methodology for OU3 (9 p., Dec. 18, 1995)

Folder 16 OU3 January- March 5, 1996

PCCE FOI request for 12 documents related to NJZ uranium, 1957, and inspections and licenses, 1980-1984, with documents received (various pagings, Jan.3, 1996)

Telephone call notes by Teresa Roberts after call with Roy Smith, comments for draft memo on cadmium, lead and zinc interactions risk assessment (2 p., Jan.17, 1996)

Report, WESTON to EPA, final soil characterization report (10 p., Jan. 30, 1996)

Summary, CDM to EPA, final draft responsiveness summary (45 p., Mar. 5, 1996)

Summary, CDM to EPA, final draft technical approach for risk assessment (45 p., Mar. 5, 1996)

Folder 17 OU3 March 7-June 1996

Report, MKA to PCCE, systematic availability of lead to young swine from subchronic administration of lead-contaminated soil (19 p., Mar. 13, 1996)

Report, MKA to PCCE, systematic availability of lead to young swine from subchronic administration of lead-contaminated soil (21 p., Mar. 15, 1996)

Letter, Dale A. Bruns for PCCE, comments on toxicological interactions of cadmium, lead and zinc (2 p., Mar. 15, 1996)

Letter, EPA to Palmerton Borough, heavy metals in town parks (3 p., Mar.20, 1996 with 1 p ntes from Mar. 7 meeting)

Letter, Teresa Roberts to PA DEP, protesting department support for SB 1295 which would grant polluters immunity from prosecution (1 p., Mar. 27, 1995)

Memo, MKA to PCCE, final draft technical approach for risk assessment (5 p., Apr.3, 1996) with letter transmitting memo to EPA (1 p., Apr. 9, 1996)

Report, MKA to PCCE, bioavailability of lead in soil samples ... (11 p., May 23, 1996) with letter from Dale A. Bruns to MKA with his comments (9 p., May 19, 1996)

Folder 18 OU3 July-December 1996

Letter, Roberts to EPA, expressing displeasure at EPA statement at a June PETF meeting (2 p., July 19, 1996)

Consent form for Pennsylvania State University study about ultural authority in a local environmental scenario (4 p., July 19, 1996)

Memo, MKA to PCCE, Quality assurance/quality control report, sample collection and analysis (18 p., July 30, 1996) with a copy of the report (41 p., March, 1996)

FOI request with returned documents, EPA to Robert Hill (various pagings, July 31, 1996)

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Folder 19 OU3 August-December 1996

Letter, EPA to PCCE, release of names of interim cleanup participants settlement with Viacom (2p., Aug. 6, 1996)

Report, Univ. of Cincinnati, quantity of residential interior floor dust in Palmerton: a comparison of Superfund sites, with bibliography (3 p., Aug. 6, 1996)

Reports, R.E. Wright Environmental, for risk assessment on OU3, review of Bioavailability of lead in soil samples (3 reports with cover letters, 17 p., Aug. 8, June 13, May 23, 1996)

Agenda, PETF public meeting, Aug. 28, 1996 (1 p.)

Report, Univ. of Cincinnati for PETF, Palmerton lead exposure study, fall 1994 (24 p., Sept. 1996)

Report, CDM Federal Programs Corp. for EPA, Palmerton zinc site final technical approach for risk assessment (45 p., Sept. 30, 1996)

Report, Kevin Hantz for PCCE, air quality based on PPM for cadmium and lead, 1996 (1 p.)

Report, Black & Veatch for EPA, work plan for feasibility study of Palmerton OU3, with cover letter to PETF (27 p., Dec. 30, 1996)

Folder 20 OU3 January-October 1997

Letter, EPA to Theresa Roberts, EPA proposals to revise National ambient air quality standards, (1 p., Jan. 23, 1997)

Memo, MKA to PCCE, review of Black & Veatch work plan (9 p., Feb. 15, 1997)

Letter, EPA to PCCE, response to public comments on the work plan for OU3 (9 p., Aug. 6, 1997)

Report, complete analytical data summary, Palmerton zinc OU3 (91 p., Oct. 29, 1997)

Folder 21 OU3 November 1997

Memo, Dale A. Bruns to Robert Hosking Jr., review comments on risk assessment report (16 p. with 5 p. summary, Nov. 13, 1997)

Letters, EPA and PETF, risk assessment (3 p., Nov. 4 and 7, 1997)

Memo, MKA for PCCE, draft final risk assessment report (21, 22 p., Nov. 18, 1997)

Letters, PETF to EPA, risk assessment, with comments by Advanced GeoServices Corp. (16 p., Nov. 24, 1997)

Folder 22 OU3 December 1997

Letter, PA DEP to PCCE, answers to PCCE questions about potential environmental impact of hazardous waste at HRD (4 p., Dec. 19, 1997)

Report, Univ. of Missouri and EPA, relative bioavailability of arsenic in mining wastes, with cover letter to PETF and PETF memo (93 p., Dec. 1997)

Folder 23 OU3 1998-1999

Letter, PA DEP to PCCE, HRD permit for hazardous wastes (2 p., June 30, 1998)

Letter, PA DEP to PCCE, HRD air quality permit answers (2 p., Feb. 11, 1999)
 Memo, B.F. Rowell to PCCE, OU3 community soils (2 p., May20, 1999)
 Report, MKA to PCCE, OU3 feasibility study by Black & Veatch (11 p., May 28, 1999)
 Comments, from various groups (ZCA, c35 p.; Pro-Palmerton, c12 p.; PETF, 9 p.; Viacom, 4 p.; Mary Cyr, 2 p. (June 1999)

Folder 24 OU3 May 2000

Report, Black & Veatch for EPA, feasibility study for residential soil and household dust (c110 p., May 2000)

Folder 25 OU3 May-December 2000

Letter, EPA to PCCE, invitation to attend a TAG meeting (3 p., May 1, 2000)
 Mailer, EPA to residents, invitation to public meeting on June28 and to comment on proposed cleanup of soils (1 p., June 9, 2000)
 Slide presentation by EPA at June 28 meeting and PCCE comments (15 p., June 28, 2000)
 Memo and review, MKA for PCCE, final feasibility study and proposed plan (17 p., June 28, 2000)
 Memo and review, MKA for PCCE, final feasibility study and proposed plan (21 p., July 14, 2000)
 Memo and review, MKA for PCCE, final feasibility study and proposed plan (21 p. with cover letter, July 27, 2000)
 Memo, PCCE, information learned and priorities after attending TAG meeting in Nashville, TN, Sept. 15-16, 2000 (2 p.)
 Letter, MKA to EPA, issues related to current status and future direction of Palmerton site (5 p., Nov. 30, 2000)
 Letter, PCCE to EPA, follow up to Oct. 19 meeting with concerns about EPA work and studies (5 p., Dec. 17, 2000)

Folder 26 OU3 2001-August 2002

Letter, PA DEP to PCCE, HRD hazardous waste permit status (2 p., Jan.12, 2001)
 Appendices A-C from unidentified report: remediation protocols and toxicological profiles (dated Aug 2001 from date on map)
 Letter, EPA to PCCE, responding to previous letters and concerns (3 p., Oct. 9, 2001)
 Summary, EPA ROD for final cleanup of community soils (7 p., Oct. 2001)
 Letter, EPA to PCCE, responding to request for progress update on OU3 (2 p., Feb. 26, 2002)
 Letter, PA DEP to PCCE, permitting and compliance issues at HRD (2 p., June 25, 2002)
 Correspondence, James Rhoades and PCCE, permitting issues (2 p., Aug. 23, 2002)
 Report, Cummings Riter for Viacom, remedial design work plan OU3 (c100 p., Aug. 28, 2002)

Box 10

Folder 27 OU3 September 2002-2004

Letters, PCCE, PA DEP, McLane Shoener, permitting issues at HRD (7 p., Dec 2002-Jan, Mar 2003)
 Summary, by PCCE, final draft ecological risk assessment (8 p., May? 2003)
 Correspondence, comments, McLane Shoener and Ron Dennis, HRD application to increase air pollution emissions (14 p., Aug-Dec 2003)
 Comparison of soil inorganics and air lead data with soil lead in Palmerton, by Sulagna De with Frances Shofer, 1 p. abstract, 2003?)
 Letter, PA DEP to PCCE, could not obtain results for hexavalent chromium in Palmerton (1 p., Jan. 9, 2004)
 Letter, TSDR to PCCE, possible baseline health survey with lead blood testing and cancer data (8 p., Feb. 24, 2004)
 Fact sheet, Natural Resource Trustees, activities at Palmerton site (3 p., April 2004)
 Report, Shoener Environmental Consulting Services to PCCE, comments on ecological risk assessment (5 p., Apr. 7, 2004)
 Letter, PCCE to PA DEP, questions about HRD emissions (1 p., April 12, 2004)
 Summary, Ed Shoener for PCCE, review of ecological risk assessment (2 p., April 21, 2004)
 Report, Shoener Environmental Consulting Serviceto PCCE, comments on ecological risk assessment (5 p., Apr. 22, 2004)
 Letters, PCCE to EPA, concerns about risk assessment and remediation (4 p., April, July 2004)
 Letter, PA DEP to PCCE, HRD compliance with environmental issues (2 p., May 14, 2004)

Correspondence, PCCE, health study and meeting speakers (20 p., June-December 2004)
Letter, PCCE to EPA, comments on Natural Resources Trustee meeting on May 27 (4 p., July 12, 2004)
Letter, PCCE to Trustee Council, concerns about Trustee Council plans (1 p., Aug. 13, 2004)
Letters, PCCE and EPA, concerns about EPA policies and actions and HRD emissions (8 p., July, Aug, Oct 2004)

Folder 28 OU3 2005

Documentation, reports, minutes, correspondence, Community Outreach and Education Program of Univ. of Pennsylvania (c100 p., Jan-June, 2005)
Letter, PA DEP to PCCE, dust and odor issues (3 p., Apr. 12, 2005)
Letter, PCCE to PA Dept of Health, request for health screening of residents based on recommendations of Dr. De of the Univ. of PA (1 p., May 4, 2005)
Community fact sheet for Palmerton, PA Dept. of Health, minimizing exposure to lead and cadmium and protecting health (4 p., Aug. 2005)
Email and fact sheet, EPA to PCCE, participation in superfund oral history project (3 p., Sep. 2, 2005)

Folder 29 OU3 2005

Report, Center for Excellence in Environmental Toxicology of Univ. of Pennsylvania, NIEHS site visit, June 10, 2005 (c100 p.) and resource guide (print 53 p. and DVD version)

Folder 30 OU3 2006-2009

Letter, PCCE to EPA, outrage at EPA actions on properties that exceeded clean-up limits (1 p., Apr. 5, 2006), with reply (2 p., April 28, 2006)
Letter, Univ. of PA CEET, changes in program and next meeting (1 p., Apr. 27, 2006)
Letter, EPA to PCCE, response to request for updates (1 p., Nov. 29, 2007)
Letter, Univ. of PA CEET to PCCE, thank you for speaking to U of P students about superfund activities in Palmerton (1 p., July 14, 2009)

Series 9 – Operable Unit 4 – Water: Surface and Ground

Folder 1 OU4 1986-1991

Map of Palmerton well locations, no date or source
Report, PA DER, Aquashicola Creek priority water body survey report ... Sept. 1986 (22 p., appendices missing)
Memo, EPA, critique by Bioassessment Work Group of work plan with observations (1p. Mar. 18, 1988)
Table, surface water chemistry in Aquashicola Creek upper watershed, data from PA DER, PFC, MCPC (2 p., Aug. 27, 1988 last data collection)
Letter, EPA to PA DER, clarifying EPA position on groundwater and surface water remediation (2 p., Oct. 26, 1988)
Report, PA DER, Aquashicola Creek special evaluation report, water quality standards review (32 p., Feb. 1989)
Map of Aquashicola Creek sampling points from Corps of Engineers, March 1990
Report, PA DER, Palmer Water Company public water system sanitary survey report (47 p., survey completed April 11, 1990)
Memo, EPA, questions posed by Bioassessment Work Group (1 p., May 10, 1990)
Letter, Keith McCall to EPA, supporting decision to dispose of material excavated during channel construction in cinder bank (1 p., May 23, 1991)
Leaflet, Palmer Water Co., informational facts you should know about your water quality (1 p., c1991)

Folder 2 OU4 1992-1994

Remedial investigation/feasibility study, groundwater/surface water operable unit ... (B&V Waste Science Technology Corp., Philadelphia, May 1993, c200 p.)

Folder 3 OU4 1995-1998

Letter, ZCA to PA DER, discharge monitoring reports (1 p., Oct. 16, 1995)
Letter, EPA to PETF, tables from remedial investigations/feasibility study of ground/surface water at OU, performed in May 1993 (7 p., Feb. 7, 1997)

Memo, B. F. Rowell to PCCE, questions about groundwater at OU4 from 1993 study (2 p., Feb. 24, 1997)

Letter, EPA to PCCE, ecological risk assessment for OU4 (2 p., Feb. 25, 1997, with 2 p. memo from April 11, 1991)

Letter, PCCE to EPA, list of questions to be addressed at public meeting on March 13 (2p., March 6, 1997)

Letter, EPA to PCCE, copy of March 7, 1997 amendment to 1993 work plan OU4 (38 p., March 19, 1997)

Report, MKA to PCCE, groundwater hydrology OU4 (15 p., April 3, 1997)

[Pennsylvania drinking water reports, from web site Apr. 10, 1997 (9 p.)

Letter, PCCE to EPA, OU4 work plan (1 p., April 21, 1997)

Press release, EPA, Palmer Water Company test results and survey of privately owned wells (3 p., Nov. 10, 1997)

Press release, EPA, phased groundwater testing (2 p., Jan. 12, 1998)

Letter, MKA to EPA, comments to draft ecological risk assessment work plan OU4 (6 p., Sep. 16, 1998; 2 identical report copies, but different questions on last pages)

Fax, EPA to PCCE, OU4 monthly status report, Dec. 15, 1998 and Palmerton Groundwater Committee meeting, Dec. 3, 1998 (7 p., Dec. 17, 1998)

Leaflet, Palmer Water Company annual drinking water quality report for 1998 (1 p. folded)

Box 11

Folder 4 OU4 1999-2001

Reports, EPA monthly status reports for Jan 15, Feb. 15, and March 15, 1999 (3 p.)

Letter, PA DEP and PCCE, groundwater concerns, April 1999 with Oct. 21, 1997 DEP memo about water supply management (6 p.)

Summary, history of OU4 groundwater work, June 20, 2000, no author but likely by MKA for PCCE (3 p.)

Report, groundwater investigation update, no author but likely MKA for PCCE (1 p., likely June 2000)

Letter, PCCE to EPA, OU4 future work (1 p., June 20, 2000)

Letter, PA DEP to PCCE, minimum federal water quality standards for Aquashicola Creek (1 p., Aug. 2, 2000)

Leaflet, Palmer Water Company annual drinking water quality report, 2000 (1 p. folded)

Public notice, Palmer Water Company, MCL violation (1 p., March 5, 2001)

Letter, PA DEP to PCCE, invitation to SWAP meeting and fact sheet about SWAP (5 p., April 12, 2001)

Letter, PWC to PA DEP, Palmer Water Co. well #6 (17 p., April 18, 2001)

Reports, Aquashicola Creek aquatic biological investigation, no source (7 p., May 1, 2001)

Slides, SWAP presentation, May 2, 2001 (9 p.)

Memo, MKA to PCCE, Palmerton groundwater OU4 (5 p., May 24, 2001)

Letter, PCCE to PA DEP, completed SWAP forms (7 p., Jun 11, 2001)

Letter, PCCE to EPA, groundwater questions to be answered at Aug. 15 PCCE meeting (5 p., July 18, 2001)

Letter, EPA to PCCE, delay in completing ecological risk assessment for OU4 (1 p., Sep. 4, 2001)

Letter, Michael J. Cox to PCCE, suggestions for future speakers with attached article from Stream of Consciousness (5 p., Nov. 14, 2001)

Folder 5 OU4 2002-2007

Letter, PA DEP to PCCE, status of DEP assessment of Aquashicola Creek, with previous correspondence from 1997 and 2000 (7 p., May 30, 2002)

Letter, PA DEP to PCCE, transmitting report on the Aquashicola Creek (55 p., June 12, 2002)

Letter, EPA to PCCE, administrative report for OU4 (1 p., July 18, 2002)

Letter, PCCE to PA DEP, questions for PCCE meeting on Aug. 15 (1 p., July 19, 2002)

Leaflet, Palmerton Municipal Authority annual drinking water quality report for 2003 (1 p.)

Letters, PCCE to PMA and EPA, water concerns, with comments from MKA, likely written in 1997 (5 p., June 23, 2004)

Leaflet, Palmerton Municipal Authority drinking water quality report for 2004 (1 p.)

Letter, PA DEP, notification of SWAP meetings and information sheet for Feb. 16 meeting (7 p., Jan. 18, 2005)

Report on hazardous substances within assessment area, c2005, 3 p.
Letter, EPA to PCCE, status of OU4 work plan (2 p., Oct. 5, 2006)
Memo, MKA to PCCE, work plan review for OU4 (3 p., Feb. 15, 2007)
Letter, Shoener Consulting to PCCE, review of interim measure work plan (2 p., March 15, 2007)
Leaflet, PMA annual drinking water quality report for 2007 (1 p.)

Box 12 Series 10 - Newspaper Clippings (including a few magazine articles)

10.1 Palmerton Citizens for a Clean Environment

Folder 1 – 1990-1994
Folder 2 – 1995-1999
Folder 3 – 2000-2004

10.2 Pro-Palmerton Coalition

Folder 1 – 1991-2000

10.3 Palmerton Chamber of Commerce

Folder 1 – 1991-1998

10.4 Palmerton Environmental Task Force

Folder 1 – 1992-2002

10.5 Borough of Palmerton

Folder 1 – 1971-1998

10.6 New Jersey Zinc, Gulf + Western, Horsehead, Zinc Company of America, Viacom. Paramount

Folder 1 – Before 1990
Folder 2 – 1990
Folder 3 – 1991
Folder 4 – 1992-1993
Folder 5 – 1994-1995
Folder 6 – 1996-1997
Folder 7 – 1998-1999
Folder 8 – 2000-2003
Folder 9 – 2004-2006
Folder 10 – Uranium storage
Folder 11 – Iron rich material controversy, 1990-1997
Folder 12 – Other Horsehead locations, 1992

10.7 US Environmental Protection Agency

Folder 1 – 1982-1995
Folder 2 – 1996-2004

10.8 Operable unit 1 – Blue Mountain and re-vegetation

Folder 1 – 1990-2004

10.9 Operable unit 2 – The cinder bank

Folder 1 – 1989-2002

10.10 Operable unit 3 – Palmerton soil, air, health

Folder 1 – 1970-1989
Folder 2 – 1990
Folder 3 – 1991
Folder 4 – 1992
Folder 5 – 1993
Folder 6 – 1994 January-July
Folder 7 – 1994 August-December

Folder 8 – 1995
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Folder 13 – 2000
Folder 14 – 2001
Folder 15 – 2002
Folder 16 - 2003
Folder 17 – 2004-2005

10.11 Operable unit 4 – Water: Surface and Ground

Folder 1 – c1970, 1989-1991, 1995-1996
Folder 2 – 1997
Folder 3 – 1998
Folder 4 – 1999
Folder 5 – 2000-2004

10.12 Citizen Action (letters to editor, opinion pieces)

Folder 1 - Letters to editor, 1990-2004 (writer did not sign as a representative of a group)
Folder 2 – Opinion columns, editorials – 1989-1999

Inventoried completed by
Barbara L. Wiemann
June 3, 2025