



**U.S. GEOLOGICAL SURVEY LIBRARY
FIELD RECORDS COLLECTION
DENVER, COLORADO**

ALBERT J. FROELICH
(1929 - 1993)

NOTES, CORRESPONDENCE, PAPERS

1951 - 1987

(7.0 linear ft. and 45 map folders)

Albert Joseph Froelich earned B.S. and M.S. degrees from Ohio State University in 1952 and 1953. Most of his professional career was spent with the USGS, with detours to serve in the U.S. Army and in private industry. Froelich was the author or coauthor of more than 120 geologic papers. His major projects included the USGS Eastern Kentucky Mapping Program, the Fairfax County-Culpepper Basin, Virginia, environmental geology project, and studies of the early Mesozoic evolution of the eastern U.S. He was the recipient of the Department of the Interior's Meritorious Service Award and a member of the Geological Society of America, the American Association of Petroleum Geologists, and the American Geophysical Union.

INVENTORY

By

Clay M. Martin and Carol A. Edwards
U.S. Geological Survey Field Records Collection
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
May 2004/July 2010

Location of Field Notebooks: CS-8: 4-6

**BOTANICAL PROSPECTING FOR URANIUM IN THE DEER FLAT
AREA, WHITE CANYON DISTRICT, SAN JUAN COUNTY, UTAH.
1953-1954.**

<u>Item Number</u>	<u>Description</u>
NO-11623	Expandable envelope with three folders: <ul style="list-style-type: none">- Folder 1. Three groups of geologic and botanical field notes related to the Deer Flat project, San Juan County, Utah, by A.J. Froelich, E.C. Clebsch, and W. Martin, all dated May and June, 1953. Also included are 14 unidentified loose pages of geologic field notes dated May 8 through June 23.- Folder 2. Miscellaneous analysis request forms and uranium sample analysis reports for the Deer flat project, San Juan County, Utah. 1953-1954.- Folder 3. Seven black and white aerial photographs of the Deer Flat area, San Juan County, Utah, all with geologic annotations (some annotations are on reverse side of prints).
NO-11729	Envelope with group of uranium analysis reports for plant samples from the Deer Flat area, San Juan County, Utah. 1953-1956.
MA-02982	Map folder with 47 unannotated 18" x 18" aerial photographs of the Deer flat area, San Juan County, Utah.
MA-02983	Map folder with 38 unannotated 18" x 18" aerial photographs of the Deer flat area, San Juan County, Utah.
MA-02984	Map folder with 33 unannotated 36" x 36" aerial photographs of the Deer flat area, San Juan County, Utah.
MA-02985	Map folder with 70 items: <ul style="list-style-type: none">- 25 aerial photographs (some with annotations) of the Deer flat area, San Juan County, Utah.- Twelve geologic sketch maps of the Deer flat area, San Juan County, Utah.- 25 draft figures and tables for reports on geobotanical investigations in the Deer flat area, San Juan County, Utah.- Three draft copies of a plate illustrating results of geobotanical investigations in the Deer flat area, San Juan County, Utah.- Five enlarged reproductions of topographic maps of the Deer Flat area, San Juan County, Utah, some with geologic annotations.
MA-02986	Map folder with two versions of a plate showing sampled plants and sampling locations in the Deer flat area, San Juan County, Utah.

Published as: U.S. Geological Survey. Trace elements investigations report 564. 1955.

Published as: U.S. Geological Survey. Bulletin 1085-B. 1960.

GEOLOGY OF THE HARLAN 7.5' QUADRANGLE, HARLAN COUNTY, KENTUCKY. 1966-1969.

- NO-04986 Expandable envelope with three folders:
- Folder 1. Copy of the Harlan 7.5' quadrangle, sectioned into eight pieces, with geologic annotations.
 - Folder 2. A.J. Froelich and E.J. McKay. Two groups of field notebook pages, with geologic and survey notes for the Harlan 7.5' quadrangle. 1969.
 - Folder 3. Two altimeter observation record books with survey data for the Harlan 7.5' quadrangle. 1966-1967.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1015. 1972.

GEOLOGY OF THE BALKAN 7.5' QUADRANGLE, BELL AND HARLAN COUNTIES, KENTUCKY. 1967-1968.

- NO-04460 Expandable envelope with two folders:
- Folder 1. A.J. Froelich and J.F. Tazelaar. Field notebook pages with geologic and survey notes and sketches for the Balkan and Beverly 7.5' quadrangles.
 - Folder 2. Copy of the Balkan 7.5' quadrangle on drafting film, sectioned into 15 pieces, with geologic annotations.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1127. 1973.

GEOLOGY OF THE WALLINS CREEK 7.5' QUADRANGLE, HARLAN AND BELL COUNTIES, KENTUCKY. 1967-1969.

- NO-04946 Expandable envelope with three folders:
- Folder 1. A.J. Froelich. Field notebook pages with geologic and survey notes for the Wallins Creek 7.5' quadrangle. Also included are notes for the Harlan, Helton, Nolansburg, Pine Mountain, and Varilla 7.5' quadrangles. 1967-1968.
 - Folder 2. A.J. Froelich. Field notebook pages with geologic and survey notes for the Wallins Creek 7.5' quadrangle. Also included are notes for the Evarts, Ewing, and Harlan 7.5' quadrangles and seven sheets with geologic section diagrams. 1967-1968.
 - Folder 3. Six altimeter observation record books with survey notes for the Wallins Creek 7.5' quadrangle.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1016. 1972.

**GEOLOGY OF PARTS OF THE BENHAM AND APPALACHIA 7.5'
QUADRANGLES, HARLAN AND LETCHER COUNTIES, KENTUCKY.
1968-1970.**

- NO-04992 Document box with five folders:
- Folder 1. Copy of the Louellen 7.5' quadrangle sectioned into 15 pieces, with geologic annotations. Also included are four folded sheets with geologic section diagrams.
 - Folder 2. A.J. Froelich and B.D. Stone. Field notebook pages with geologic notes and sketches and survey data for the Benham, Louellen, and Roxana 7.5' quadrangles. 1969-1970.
 - Folder 3. B.D. Stone. Field notebook pages with geologic and survey notes for the Benham 7.5' quadrangle. 1969-1970.
 - Folder 4. Unidentified group of field notebook pages with geologic and survey notes for the Benham and Appalachia 7.5' quadrangles. 1969.
 - Folder 5. Ten altimeter observation record books with survey notes for the Appalachia, Benham, Louellen, and Roxana 7.5' quadrangles.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1059. 1973.

**GEOLOGY OF THE PINEVILLE 7.5' QUADRANGLE, BELL AND KNOX
COUNTIES, KENTUCKY. 1968-1971.**

- NO-04851 Expandable envelope with two folders:
- Folder 1. A.J. Froelich and J.F. Tazelaar. Four groups of geologic and survey notes for the Pineville 7.5' quadrangle. 1968-1969.
 - Folder 2. A.J. Froelich and J.F. Tazelaar. Three groups of geologic and survey notes and road logs for the Pineville 7.5' quadrangle. 1968-1971.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1129. 1974.

EASTERN KENTUCKY GEOLOGIC MAPPING PROGRAM. 1951-1987.

- NO-11624 Field notebook pages with geologic notes for the Dingus 7.5' quadrangle, Kentucky. 1951-1952.
- NO-11625 Field notebook pages with geologic notes for the Dingus 7.5' quadrangle, Kentucky. 1951-1953.
- NO-11626 Field notebook pages with geologic notes for the Dingus 7.5' quadrangle, Kentucky. 1951-1953.

- NO-11627 J. Huddle. Field notebook pages with geologic notes and drill hole data for the Rush 7.5' quadrangle, Kentucky. 1957.
- NO-11628 K.J. Englund, J.C. Ferm, J.W. Huddle, and others. Field notebook pages with geologic notes and drill hole data for the Grayson 7.5' quadrangle, Kentucky. 1957.
- NO-11629 Field notebook pages with geologic notes and drill hole data for the Pocahontas Land Corporation properties, Offut 7.5' quadrangle, Kentucky. 1960.
- NO-11630 Field notebook pages with geologic notes and drill hole data for the Pocahontas Land Corporation properties, Offut 7.5' quadrangle, Kentucky. 1960.
- NO-11631 D.C. Alvord and W.F. Outerbridge. Field notebook with geologic notes and drill hole data for the Pocahontas Land Corporation properties, Inez 7.5' quadrangle, Kentucky. 1960.
- NO-11632 D.C. Alvord. Field notebook pages with geologic notes and drill hole data for the Williamson and Lick Creek 7.5' quadrangles, Kentucky. 1961.
- NO-11633 Field notebook pages with geologic notes and sketches for the Lancer 7.5' quadrangle, Kentucky. 1961-1962.
- NO-11634 C.L. Rice and E.C. Jenkins. Field notebook pages with geologic notes and Drill hole data for the Flatwoods Mountain area, Dorton 7.5' quadrangle, Kentucky. 1962.
- NO-11635 D.C. Alvord and S.C. Bergman. Field notebook with geologic notes and drill hole data for the Lower Pompey area, Millard 7.5' quadrangle, Kentucky. 1962.
- NO-11636 C.E. Holbrook and V.A. Trent. Field notebook with geologic notes and drill hole data for the Amburgey area, Hindman 7.5' quadrangle, Kentucky. 1962.
- NO-11637 W.P. Puffett. Field notebook with geologic notes and drill hole data for the Buffalo Knob area, Hazard South 7.5' quadrangle, Kentucky. 1962.
- NO-11638 W.P. Puffett. Field notebook with geologic notes and drill hole data for the Buffalo Knob area, Hazard South 7.5' quadrangle, Kentucky. 1962.
- NO-11639 E.C. Jenkins and S.C. Bergman. Field notebook with geologic notes and drill hole data for a site described only as "Site 12, Bethlehem Land". 1962.
- NO-11640 J.C. Beatty, L. Hamilton, and L. Byrd. Field notebook with geologic notes and drill hole data for the Beaver Knob area, Elkhorn City 7.5' quadrangle, Kentucky. 1962.

- NO-11641 D.C. Alvord. Field notebook with geologic notes and drill hole data for the Mare and Caney Creek areas, Broad Bottom 7.5' quadrangle, Kentucky. 1962.
- NO-11642 C.L. Rice. Field notebook pages with geologic notes and sketches for the Pikeville District, Lancer 7.5' quadrangle, Kentucky. 1962.
- NO-11643 V.A. Trent and C.E. Holbrook. Field notebook with geologic notes and drill hole data for the Amburgey-Sassafras area, Hindman and Vicco 7.5' quadrangles, Kentucky. 1962.
- NO-11644 D.C. Alvord and C.L. Rice. Field notebook with geologic notes and drill hole data for the Abner Mountain area, Wheelwright 7.5' quadrangle, Kentucky. 1962.
- NO-11645 V.A. Trent and S.C. Bergman. Field notebook with geologic notes and drill hole data for the Dicks Knob area, Matewan 7.5' quadrangle, Kentucky. 1962.
- NO-11646 E.C. Jenkins, C.L. Rice, and W. F. Outerbridge. Field notebook with geologic notes and drill hole data for the Pikeville 7.5' quadrangle, Kentucky. 1962.
- NO-11647 C.L. Rice. Field notebook pages with geologic notes and sketches for the Pikeville District, Lancer 7.5' quadrangle, Kentucky. 1962-1963.
- NO-11648 V.A. Trent. Field notebook with geologic notes and drill hole data for the Dixon Knob area, Vicco 7.5' quadrangle, Kentucky. 1962-1963.
- NO-11649 Envelope with set of U.S. Bureau of Mines coal analysis and mine description report forms for various mines in Knott, Letcher, Perry, and Pike Counties, Kentucky. 1962-1963.
- NO-11650 Field notebook with geologic notes and sketches for the Martin 7.5' quadrangle, Kentucky. 1962-1964.
- NO-11651 Expandable envelope with two folders:
- Folder 1. C.L. Whittington. Field notebook pages with geologic notes for the Grayson 7.5' quadrangle, Kentucky. 1962-1964.
 - Folder 2. Thirty-three unannotated aerial photographs covering the area of the Grayson 7.5' quadrangle, Kentucky.
- NO-11652 Group of field notes entitled "Sampling coals in road cut on Troublesome between stations 262 & 271. Hazard N. quad". September 23, 1963.
- NO-11653 Group of geologic field notes for the Hindman and Vicco 7.5' quadrangles, Kentucky. 1963.
- NO-11654 Field notebook with geologic notes and sketches for the Harold 7.5' quadrangle, Kentucky. 1963.

- NO-11655 Field notebook with geologic notes and sketches for the Harold 7.5' quadrangle, Kentucky. 1963.
- NO-11656 Field notebook with geologic notes and sketches for the Harold 7.5' quadrangle, Kentucky. 1963.
- NO-11657 Field notebook with geologic notes and sketches for the Harold 7.5' quadrangle, Kentucky. 1963.
- NO-11658 Field notebook with geologic notes and sketches for the Harold 7.5' quadrangle, Kentucky. 1963-1964.
- NO-11659 Field notebook with geologic notes and sketches for the Martin 7.5' quadrangle, Kentucky. 1964.
- NO-11660 Field notebook with geologic notes and sketches for the Martin 7.5' quadrangle, Kentucky. 1964.
- NO-11661 Field notebook with geologic notes and sketches for the Martin 7.5' quadrangle, Kentucky. 1964.
- NO-11662 Field notebook with geologic notes and sketches for the Martin and Prestonsburg 7.5' quadrangles, Kentucky. 1964.
- NO-11663 Field notebook with geologic notes and sketches for the Martin and Prestonsburg 7.5' quadrangles, Kentucky. 1964-1965.
- NO-11664 Field notebook with geologic notes for the Prestonsburg 7.5' quadrangle, Kentucky. 1964-1965.
- NO-11665 Field notebook with geologic notes and sketches for the Prestonsburg 7.5' quadrangle, Kentucky. 1965.
- NO-11666 Field notebook with geologic notes and sketches for the Prestonsburg 7.5' quadrangle, Kentucky. 1965.
- NO-11667 C.L. Rice. Field notebook with geologic notes and sketches for the Redbush 7.5' quadrangle, Kentucky. 1965.
- NO-11668 K.J. Englund. Expandable envelope with:
- Field notebook pages with geologic notes for the Cannel City 7.5' quadrangle, Kentucky. 1966.
 - Preliminary copy of the Cannel City quadrangle with annotations. 1951.
- NO-11669 C.L. Rice. Field notebook with geologic notes and sketches for the Redbush 7.5'

- quadrangle, Kentucky. 1966.
- NO-11670 C.L. Rice. Field notebook with geologic notes and sketches for the Redbush 7.5' quadrangle, Kentucky. 1966.
- NO-11671 Field notebook with geologic and survey notes and sketches for the Redbush 7.5' quadrangle, Kentucky. 1966.
- NO-11672 C.L. Rice. Field notebook with geologic notes and sketches for the McDowell 7.5' quadrangle, Kentucky. 1966.
- NO-11673 C.L. Rice. Field notebook with geologic notes and sketches for the McDowell 7.5' quadrangle, Kentucky. 1966.
- NO-11674 C.L. Rice. Field notebook with geologic notes and sketches for the McDowell 7.5' quadrangle, Kentucky. 1966.
- NO-11675 Field notebook with geologic notes and drill log data for the Ivyton 7.5' quadrangle, Kentucky. 1966.
- NO-11676 R.M. Kosanke and D.E. Wolcott. Field notebook pages with geologic, coal sampling, and drill hole notes for the Bruin, Campton, Cannel City, Hellier, Isonville, Ivyton, Jackson, Landsaw, Lily, Pineville, Rockholds, Rush, Salyersville North, Salyersville South, Sawyer, Tiptop, Webbville, and White Oak 7.5' quadrangles, Kentucky. 1966.
- NO-11677 K.J. Englund. Field notebook with geologic notes for the Bolts Fork 7.5' quadrangle, Kentucky. 1966.
- NO-11678 Field notebook with geologic notes and drill log data for the Ivyton 7.5' quadrangle, Kentucky. 1967.
- NO-11679 Field notebook with geologic notes and sketches for the Ivyton 7.5' quadrangle, Kentucky. 1967.
- NO-11680 Field notebook with geologic notes and sketches for the Ivyton 7.5' quadrangle, Kentucky. 1967.
- NO-11681 C.L. Rice. Field notebook with geologic notes and sketches for the Alcorn 7.5' quadrangle, Kentucky. 1967.
- NO-11682 A.J. Froelich. Field notebook with fossil notes for eastern Kentucky. 1968.
- NO-11683 C.L. Rice. Field notebook with geologic notes and sketches for the Alcorn 7.5' quadrangle, Kentucky. 1968.

- NO-11684 C.L. Rice. Field notebook with geologic notes and sketches for the Alcorn 7.5' quadrangle, Kentucky. 1968.
- NO-11685 C.L. Rice. Field notebook with geologic notes and sketches for the Alcorn 7.5' quadrangle, Kentucky. 1968.
- NO-11686 Field notebook with geologic notes and sketches for the Leighton 7.5' quadrangle, Kentucky. 1968.
- NO-11687 C.L. Rice. Field notebook with geologic notes and sketches for the Whitesburg 7.5' quadrangle, Kentucky. 1969.
- NO-11688 D.E. Wolcott. Field notebook with geologic notes and sketches for the Whitesburg and Flat Gap 7.5' quadrangles, Kentucky. 1969.
- NO-11689 C.L. Rice. Field notebook with geologic notes and sketches for the Jenkins West 7.5' quadrangle, Kentucky. 1969.
- NO-11690 C.L. Rice. Field notebook pages with geologic notes for the Leighton 7.5' quadrangle, Kentucky. 1970.
- NO-11691 A.J. Froelich. Field notebook with geologic and survey notes for the Leighton 7.5' quadrangle, Kentucky. 1970.
- NO-11692 Six loose notepad sheets with geologic notes for the Barcreek 7.5' quadrangle, Kentucky. 1970.
- NO-11693 Field notebook with geologic notes and sketches for the Beverly and Jellico West 7.5' quadrangles, Kentucky. Also included are notes on "SE Artemis". 1970.
- NO-11694 C.L. Rice. Field notebook with geologic notes and sketches for the Jenkins West 7.5' quadrangle, Kentucky. 1970.
- NO-11695 G.W. Weir. Field notebook with geologic notes on sedimentary structures (crossbedding) in Pennsylvanian sandstones of eastern Kentucky. 1970-1975.
- NO-11696 C.M. McCulloch. Field notebook with geologic notes on sedimentary structures (crossbedding) in Pennsylvanian sandstones of eastern Kentucky. 1970-1975.
- NO-11697 A.J. Froelich. Field notebook with geologic and survey notes for the Saxton 7.5' quadrangle, Kentucky. 1972.
- NO-11698 K.Y. Lee. Field notebook with geologic notes and sketches for the Guage 7.5' quadrangle, Kentucky. Included in the notebook are mounted sections of the Guage 7.5' quadrangle with drafting film overlays and geologic annotations. 1972.

- NO-11699 Spiral-bound memorandum book with geologic notes for the Kite and Mayking 7.5' quadrangles, Kentucky. 1973.
- NO-11700 C.L. Rice. Field notebook with geologic notes and sketches for the Blackey, Hindmand, and Mayking 7.5' quadrangles, Kentucky. 1973.
- NO-11701 C.L. Rice. Field notebook with geologic notes and sketches for the Kayjay 7.5' quadrangle, Kentucky. 1974.
- NO-11702 C.L. Rice. Field notebook with geologic notes and sketches for the Kite 7.5' quadrangle, Kentucky. 1974.
- NO-11703 E.G. Sable. Field notebook pages with geologic notes for the White Oak 7.5' quadrangle, Kentucky. October-December, 1975.
- NO-11704 C.L. Rice. Field notebook pages with geologic notes for the Belfry 7.5' quadrangle, Kentucky. 1975.
- NO-11705 R.G. Ping. Field notebook pages with geologic notes and drill hole data for the Cutshin 7.5' quadrangle, Kentucky. 1975.
- NO-11706 Field notebook with geologic notes for the Beverly and Salyersville 7.5' quadrangles, Kentucky. Also included are a set of notes on the "Hima quad Section". 1975-1976.
- NO-11707 G. W. Leo. Field notebook with geologic notes for the Mistletoe 7.5' quadrangle, Kentucky. 1976.
- NO-11708 G. W. Leo. Field notebook with geologic notes for the Mistletoe 7.5' quadrangle, Kentucky. 1976.
- NO-11709 Author uncertain, possibly R.P. Volckmann. Field notebook with geologic notes for the Big Creek and Mistletoe 7.5' quadrangles, Kentucky. 1976.
- NO-11710 E.G. Sable. Field notebook pages with geologic notes for the White Oak 7.5' quadrangle, Kentucky. March-December, 1976.
- NO-11711 E.G. Sable. Field notebook pages with geologic notes for the Cannel City 7.5' quadrangle, Kentucky. April-December, 1976.
- NO-11712 C.L. Rice. Field notebook with geologic notes and sketches for the Kayjay 7.5' quadrangle, Kentucky. 1976.
- NO-11713 Field notebook with geologic notes and sketches for the Oneida 7.5' quadrangle, Kentucky. 1976.

- NO-11714 R.G. Ping. Field notebook pages with geologic notes for the Middlesboro North 7.5' quadrangle, Kentucky. 1977-1978.
- NO-11715 D.E. Walcott. Field notebook with geologic notes and sketches for the Middlesboro North 7.5' quadrangle, Kentucky. Also included are notes on the Lake City, Tennessee area. 1979.
- NO-11716 C.L. Rice. Field notebook with geologic notes for the Jellico East 7.5' quadrangle and adjacent areas, Kentucky. 1984-1987.
- NO-11717 A.J. Froelich. Field notebook with geologic and survey notes for the Cowcreek 7.5' quadrangle, Kentucky. Also included is a copy of the northwestern portion of the Cowcreek quadrangle, with annotations. No date.
- NO-11718 Field notebook with geologic and survey notes for the Oneida 7.5' quadrangle and other areas in eastern Kentucky. Also included is a group of miscellaneous notes by D. Tully. No date.
- NO-11719 Field notebook pages with geologic notes and drill hole data for the Barthell and Whitley City 7.5' quadrangles, Kentucky. The data appears to be compiled from other sources. No date.
- NO-11720 Expandable envelope with three folders:
- Folder 1. Twenty-nine diagrams showing stratigraphic sections measured in the Guage 7.5' quadrangle, Kentucky.
 - Folder 2. Set of notes and sketches entitled "Lithology of the Magoffin Member (Morse, 1931) in northern Gauge [sic] quadrangle".
 - Folder 3. Ten loose sheets of notes and calculations related to stratigraphic intervals measured in the Guage 7.5' quadrangle, Kentucky.
- NO-11721 Envelope with:
- Copy of the Prestonsburg 7.5' quadrangle, Kentucky, sectioned into 21 pieces (some duplicates), with geologic annotations. Border sections of the quadrangle have adjacent portions of the David, Ivyton, Lancer, Offutt, Oil Springs, and Paintsville 7.5' quadrangles, Kentucky, attached.
 - Copy of the Ivyton 7.5' quadrangle, Kentucky, sectioned into 20 pieces, with geologic annotations. Border sections of the quadrangle have adjacent portions of the David, Oil Springs, Prestonsburg, and Salyersville South 7.5' quadrangles, Kentucky, attached.
- NO-11722 Envelope with copy of the Redbush 7.5' quadrangle, Kentucky, sectioned into 20 pieces, with geologic annotations. Border sections of the quadrangle have adjacent portions of the Blaine, Dingus, Isonville, Mazie, Oil Springs, Paintsville, Salyersville North, and Sitka 7.5' quadrangles attached.
- NO-11723 Envelope with copy of the Martin 7.5' quadrangle, Kentucky, sectioned into 16

pieces, with geologic annotations. Border sections of the quadrangle have adjacent portions of the David, Prestonsburg, and Wayland 7.5' quadrangles, Kentucky, attached. Also included are 4 sections of the David 7.5' quadrangle, Kentucky, and one section of the Ivyton 7.5' quadrangle, Kentucky, all with geologic annotations.

- NO-11724 Envelope with 15 unannotated aerial photographs covering the area of the Middlesboro North and Jenkins West 7.5' quadrangles, Kentucky.
- NO-11725 Envelope with group of tables entitled "Data points Eastern Kentucky". An accompanying note states "Don Wolcott's comp. Wolcott was going to summarize the geology of E. Ky. These are some of his materials".
- NO-11726 Four archival boxes with geologic section strip logs for the Eastern Kentucky Geologic Mapping Program.
- MA-02987 Map folder with 25 items related to geology and coal investigations in the Nolansburg 7.5' quadrangle, Kentucky:
- Three copies and three partial copies of the Nolansburg quadrangle, with geologic annotations.
 - Four stratigraphic section diagrams.
 - Two strip logs.
 - Thirteen miscellaneous stratigraphic and structure diagrams.
- MA-02988 Map folder with 63 items related to geology and coal investigations in the Appalachia, Barthell, Cannel City, Grayson, Nevelsville, Rush, White Oak, and Whitley City 7.5' quadrangles, Kentucky:
- One copy, each, of the Appalachia, Cannel City, Grayson, Nevelsville, Rush, White Oak, and Whitley City 7.5' quadrangles, with annotations.
 - Eight copies of the Barthell 7.5' quadrangle, with annotations.
 - Seventeen strip logs.
 - Two stratigraphic section diagrams.
 - Twelve miscellaneous diagrams showing stratigraphy and/or structure.
 - Twelve sheets of miscellaneous geologic notes and sketches.
 - Three unidentified partial topographic quadrangles, with annotations.
 - Copy of the Jenkins 1 x 2-degree quadrangle, Kentucky-Virginia-West Virginia, with annotations.
 - Topographic map index for Kentucky, with annotations.
- MA-02989 Map folder with 10 items related to geology and coal investigations in the Evarts and Harlan 7.5' quadrangles, Kentucky-Virginia:
- One copy, each, of the Evarts and Harlan 7.5' quadrangles, with annotations.
 - Eight miscellaneous diagrams showing stratigraphy and/or structure.
- MA-02990 Map folder with three overlays showing geologic structure and coal bed data for the Hyden West 7.5' quadrangle, Kentucky.

- MA-02991 Map folder with 19 items related to geology and coal investigations in the Hazard North 7.5' quadrangle, Kentucky:
- Three copies of the Hazard North 7.5' quadrangle, with geologic annotations.
 - Six stratigraphic section diagrams.
 - One regional geologic cross-section diagram.
 - Nine overlays showing geologic structure and coal bed data.
- MA-02992 Map folder with 41 items related to geology and coal investigations in the Ceredo and Ironton 15' quadrangles, Kentucky-Ohio-West Virginia, and the Leatherwood and Whitley City 7.5' quadrangles, Kentucky:
- Copy of the Leatherwood 7.5' quadrangle, with annotations.
 - One copy, each, of the Ceredo and Ironton 15' quadrangles, with annotations.
 - Overlay for the Leatherwood quadrangle showing geologic structure and coal bed data.
 - Thirty-three stratigraphic section diagrams.
 - One photograph of a road cut on the Whitley City 7.5' quadrangle, Kentucky, with annotations.
 - Map of the Devils Jumps Reservoir, Kentucky-Tennessee.
 - Memorandum from H.R. Collins to J.A. Sharps regarding coal mapping in Kentucky and Ohio. 1962.
 - Diagram with geologic cross sections and stratigraphic sections for the Devils Jumps Reservoir, Kentucky-Tennessee.
- MA-02993 Map folder with 26 items related to geology and coal investigations in the Fork Ridge, Kayjay, and Mingo Mountains 7.5' quadrangles, Kentucky-Tennessee:
- Copy of the Fork Ridge 7.5' quadrangle, with geologic annotations.
 - Three copies of the Kayjay 7.5' quadrangle, with geologic annotations.
 - Copy of the Mingo Mountains 7.5' quadrangle, with geologic annotations.
 - Four unidentified fragments of topographic quadrangles, with annotations.
 - Seven overlays showing geologic structure and coal bed data.
 - Nine pages of draft text and diagrams related to stratigraphic nomenclature in southeastern Kentucky and northeastern Tennessee.
 - Gamma-ray strip log for a drill hole in Bell County, Kentucky.
- MA-02994 Map folder with 17 items related to geology and coal investigations in the Bledsoe and Cutshin 7.5' quadrangles, Kentucky:
- Two copies of the Bledsoe 7.5' quadrangle, with geologic annotations.
 - Copy of the Cutshin 7.5' quadrangle, with geologic annotations.
 - One stratigraphic section diagram for the Bledsoe 7.5' quadrangle.
 - Five pages of miscellaneous geologic notes.
 - Six overlays for the Bledsoe 7.5' quadrangle showing geologic structure and coal bed data.
 - Two geologic cross-section diagrams for the Bledsoe 7.5'.

- MA-02995 Map folder with 19 items related to geology and coal investigations in eastern Kentucky:
- Four stratigraphic section diagrams.
 - Copy of the Johnson City 1 x 2-degree quadrangle, Tennessee-Virginia-Kentucky-North Carolina, with geologic annotations.
 - Seven geologic structure diagrams that appear to be overlays for the Johnson City 1 x 2-degree quadrangle, Tennessee-Virginia-Kentucky-North Carolina.
 - One unidentified geologic sketch.
 - Map entitled "Preliminary map: structure of the Middlesboro Basin Cumberland Overthrust Block", Kentucky-Tennessee-Virginia.
 - Five pages of correspondence related to eastern Kentucky geology.
- MA-02996 Map folder with 13 items related to geology and coal investigations in the Jellico East and Saxton 7.5' quadrangles, Kentucky-Tennessee:
- Copy of the Jellico East 7.5' quadrangle, with geologic annotations.
 - Three copies of the Saxton 7.5' quadrangle, with geologic annotations.
 - Six unidentified fragments of topographic quadrangles, with annotations.
 - Overlay for the Saxton 7.5' quadrangle, showing geologic structure and coal bed data.
 - Map (in two pieces) showing formation thicknesses in southeastern Kentucky.
- MA-02997 Map folder with 38 items related to item NO-11725. An accompanying note states "Don Wolcott's comp. Wolcott was going to summarize the geology of E. Ky. These are some of his materials":
- Twenty-two stratigraphic section diagrams.
 - Two maps showing geologic structure in eastern Kentucky.
 - Fourteen pages of notes related to geologic studies in various southeastern Kentucky 7.5' quadrangles. 1965.
- MA-02998 Map folder with 23 items related to geology and coal investigations in the Pineville 7.5' quadrangle, Kentucky:
- Five copies of the Pineville 7.5' quadrangle, with geologic annotations.
 - Ten overlays showing geologic structure and coal bed data.
 - One page of draft text related to the economic geology of the Pineville 7.5' quadrangle.
 - Four geologic cross section diagrams for the Pineville 7.5' quadrangle.
 - Stratigraphic section diagram for the Pineville 7.5' quadrangle.
 - Two copies of a stratigraphic correlation diagram for the Pineville 7.5' quadrangle.
- MA-02999 Map folder with 65 items related to geology and coal investigations in the Belfry, Blacking, Leatherwood, Mayking, Tilford, and Whitesburg 7.5' quadrangles, eastern Kentucky:
- Four copies of the Mayking 7.5' quadrangle, with geologic annotations.
 - Copy of the Whitesburg 7.5' quadrangle, with geologic annotations.
 - Forty-seven strip logs.

- Twelve overlays showing geologic structure and coal bed data.
 - Stratigraphic correlation diagram for the Leatherwood and Tilford 7.5' quadrangles.
- MA-03000 Map folder with 15 items related to geology and coal investigations in the Leatherwood and Tilford 7.5' quadrangles, Kentucky:
- Copy of the Leatherwood 7.5' quadrangle, with geologic annotations.
 - Five copies of the Tilford 7.5' quadrangle, with geologic annotations.
 - Two stratigraphic section diagrams.
 - Seven overlays showing geologic structure and coal bed data.
- MA-03001 Map folder with four items related to geology and coal investigations in the Jenkins West, Oneida, and Wayland 7.5' quadrangles, Kentucky-Virginia:
- Two copies of the Jenkins West 7.5' quadrangle, with geologic annotations.
 - Copy of the Oneida 7.5' quadrangle, with geologic annotations.
 - Copy of the Wayland 7.5' quadrangle, with geologic annotations.
- MA-03002 Map folder with 23 items related to A.J. Froelich's work on the Eastern Kentucky Geologic Mapping Program:
- Copy of the Belfry 7.5' quadrangle, Kentucky, with geologic annotations.
 - Copy of the Matewan 7.5' quadrangle, Kentucky, with geologic annotations.
 - Copy of the Vicco 7.5' quadrangle, Kentucky, with geologic annotations.
 - Three geologic cross-section diagrams.
 - Ten stratigraphic section diagrams.
 - Two overlays showing geologic structure and coal bed data.
 - Map entitled "Sulfur in UE #3 Coal Bed".
 - Map entitled "Ash in UE #3 Coal Bed".
 - Two diamond drill hole logs.
 - Diagram entitled " Distribution of small spores in the Peach Orchard Coal".
- MA-03003 Map folder with six items related to geology and coal investigations in the Artemus 7.5' quadrangle, Kentucky:
- Copy of the Artemus 7.5' quadrangle, with geologic annotations.
 - Five overlays for the Artemus 7.5' quadrangle, showing geologic structure and coal bed data.
- MA-03004 Map folder with 12 items related to geology and coal investigations in the Evarts 7.5' quadrangle, Kentucky:
- Copy of the Evarts 7.5' quadrangle, with geologic annotations.
 - Geologic cross-section diagram.
 - Eight overlays showing geologic structure and coal bed data.
 - Eight pages of draft text for a description of geologic units in the Evarts 7.5' quadrangle.
 - Five pages of miscellaneous notes on eastern Kentucky coal.
- MA-03005 Map folder with seven items related to geology and coal investigations in the

- Oldtown and Pennington Gap 7.5' quadrangles, Kentucky-Virginia:
- Copy of the Oldtown 7.5' quadrangle, with geologic annotations.
 - Copy of the Pennington Gap 7.5' quadrangle, with geologic annotations.
 - Stratigraphic section diagram.
 - Four overlays showing geologic structure and coal bed data.
- MA-03006 Map folder with 18 items related to geology and coal investigations in the White Oak 7.5' quadrangle, Kentucky:
- Eleven copies of the White Oak 7.5' quadrangle, with geologic annotations.
 - Seven overlays showing geologic structure and coal bed data.
- MA-03007 Map folder with 17 items related to geology and coal investigations in the Cannel City 7.5' quadrangle, Kentucky:
- Seven copies of the Cannel City 7.5' quadrangle, with geologic annotations.
 - Eight overlays showing geologic structure and coal bed data.
 - Two geologic cross-section diagrams.
- MA-03008 Map folder with 36 items related to geology and coal investigations in the Louellen 7.5' quadrangle, Kentucky:
- Five copies of the Louellen 7.5' quadrangle, with geologic annotations.
 - Twenty strip logs.
 - Eleven overlays showing geologic structure and coal bed data.
- MA-03009 Map folder with 28 items related to geology and coal investigations in the Balkan and Varilla 7.5' quadrangles, Kentucky:
- Three copies of the Balkan 7.5' quadrangle, with geologic annotations.
 - Twenty strip logs.
 - Four overlays showing geologic structure and coal bed data.
 - Stratigraphic correlation diagram for the Balkan and Varilla 7.5' quadrangles.
- MA-03010 Map folder with 15 items related to geology and coal investigations in the Helton and Hoskinson 7.5' quadrangles, Kentucky:
- Six copies of the Helton 7.5' quadrangle, with geologic annotations.
 - One copy of the Hoskinson 7.5' quadrangle, with geologic annotations.
 - One strip log.
 - Seven overlays showing geologic structure and coal bed data.
- MA-03011 Map folder with 20 items related to geology and coal investigations in the Carrie 7.5' quadrangles, Kentucky:
- Copy of the Carrie 7.5' quadrangle, with geologic annotations.
 - Six stratigraphic section diagrams.
 - Thirteen overlays showing geologic structure and coal bed data.
- MA-03012 Map folder with 10 items related to geology and coal investigations in the Barbourville and Heidrick 7.5' quadrangles, Kentucky:
- Two copies of the Barbourville 7.5' quadrangle, with geologic annotations.

- Copy of the Heidrick 7.5' quadrangle, with geologic annotations.
 - Seven overlays showing geologic structure and coal bed data.
- MA-03013 Map folder with 33 items related to geology and coal investigations in the Belfry, Lick Creek, and Williamson 7.5' quadrangles, Kentucky:
- Five copies of the Belfry 7.5' quadrangle, with geologic annotations.
 - Two copies of the Lick Creek 7.5' quadrangle, with geologic annotations.
 - Thirteen strip logs.
 - Two sheets of miscellaneous geologic notes.
 - Three overlays showing geologic structure and coal bed data.
 - Six stratigraphic section diagrams.
 - Coal mine map for an area near Nosben Branch, Williamson 7.5' quadrangle, Kentucky.
 - Coal mine map for a mine owned by Eastern Coal Corporation, Pike County, Kentucky.
- MA-03014 Map folder with 17 items related to geology and coal investigations in the Vicco 7.5' quadrangle, Kentucky:
- Twelve overlays showing geologic structure and coal bed data.
 - Five stratigraphic section diagrams.
- MA-03015 Map folder with six items related to geology and coal investigations in the Lancer 7.5' quadrangle, Kentucky:
- Five copies of the Lancer 7.5' quadrangle, with geologic annotations.
 - Overlay showing geologic structure and coal bed data.
- MA-03016 Map folder with 19 items related to geology and coal investigations in the Bledsoe and Harlan 7.5' quadrangles, Kentucky:
- Copy of the Bledsoe 7.5' quadrangle, with geologic annotations.
 - Four copies of the Harlan 7.5' quadrangle, with geologic annotations.
 - Sheet of miscellaneous notes.
 - Eight overlays showing geologic structure and coal bed data.
 - One stratigraphic section diagram.
 - Two altimeter observation record books with readings for the Harlan 7.5' quadrangle. 1969.
 - Two Bouguer gravity profile diagrams.
- MA-03017 Map folder with 18 miscellaneous items related to the Eastern Kentucky Geologic Mapping Program, including work in the Bruin, Cannel City, Dingus Southwest, Harold, Isonville, and Sandy Hook 7.5' quadrangles:
- Copy of the Dingus Southwest 7.5' quadrangle, with geologic annotations.
 - Four copies of the Harold 7.5' quadrangle, with geologic annotations.
 - Four geologic diagrams illustrating the Corbin Sandstone, Neman Limestone, and Pennington Formation in Kentucky.
 - Two overlays showing geologic structure and coal bed data in the Cannel City and Harold 7.5' quadrangles.

- One geologic cross-section diagram.
 - Five stratigraphic section diagrams.
 - Map entitled "Base map for drill hole sections in SW VA".
- MA-03018 Map folder with eight items related to geology and coal investigations in the Martin 7.5' quadrangle, Kentucky:
- Seven copies of the Martin 7.5' quadrangle, with geologic annotations.
 - Overlay showing geologic structure and coal bed data.
- MA-03019 Map folder with three items related to geology and coal investigations in the Redbush 7.5' quadrangle, Kentucky:
- Two copies of the Redbush 7.5' quadrangle, with geologic annotations.
 - Overlay showing geologic structure and coal bed data.
- MA-03020 Map folder with 18 items related to geology and coal investigations in the Appalachia, Benham, Evarts, Fork Ridge, Jenkins West, Kayjay, Middlesboro North, and Pineville 7.5' quadrangles, Kentucky-Virginia:
- Copy of the Evarts 7.5' quadrangle, with geologic annotations.
 - Copy of the Fork Ridge 7.5' quadrangle, with geologic annotations.
 - Four copies of the Jenkins West 7.5' quadrangle, with geologic annotations.
 - Two copies of the Kayjay 7.5' quadrangle, with geologic annotations.
 - Three copies of the Middlesboro North 7.5' quadrangle, with annotations.
 - Copy of the Pineville 7.5' quadrangle, with geologic annotations.
 - Two partial copies of the Appalachia 7.5' quadrangle, with annotations.
 - Three partial copies of the Benham 7.5' quadrangle, with annotations.
 - Copy of USGS Geologic quadrangle GQ-301, "Geology of the Middlesboro South Quadrangle, Kentucky", with geologic annotations.
- MA-03021 Map folder with six items related to geology and coal investigations in the Thomas 7.5' quadrangle, Kentucky:
- Five copies of the Thomas 7.5' quadrangle, with geologic annotations.
 - One geologic fence diagram.
- MA-03022 Map folder with nine items related to geology and coal investigations in the McDowell and Prestonsburg 7.5' quadrangles, Kentucky:
- Copy of the McDowell 7.5' quadrangle, with geologic annotations.
 - Five copies of the Prestonsburg 7.5' quadrangle, with geologic annotations.
 - Three overlays showing geologic structure and coal bed data.
- MA-03023 Map folder with 13 items related to geology and coal investigations in the Flat Gap, Roxana, and Whitesburg 7.5' quadrangles, Kentucky:
- Copy of the Roxana 7.5' quadrangle, with geologic annotations.
 - Copy of the Whitesburg 7.5' quadrangle, with geologic annotations.
 - Sheet of miscellaneous notes.
 - Nine overlays showing geologic structure and coal bed data.
 - Copy of USGS Geologic quadrangle GQ-1119, "Geologic map of the

Whitesburg quadrangle, Kentucky-Virginia, and part of the Flat Gap quadrangle, Kentucky", with geologic annotations.

- MA-03024 Map folder with 11 items related to geology and coal investigations in the Hazard South 7.5' quadrangle, Kentucky:
- Two copies of the Hazard South 7.5' quadrangle, with geologic annotations.
 - Eight overlays showing geologic structure and coal bed data.
 - One stratigraphic section diagram.

- MA-03025 Map folder with 35 items related to geology and coal investigations in the Wallins Creek 7.5' quadrangle, Kentucky:
- Six copies of the Wallins Creek 7.5' quadrangle, with geologic annotations.
 - Sixteen strip logs.
 - Aerial photo labeled "Slide on Pineville-Harlan Road".
 - Ten overlays showing geologic structure and coal bed data.
 - Draft copy of a geologic map of the Wallins Creek quadrangle.
 - Draft copy of a geologic map of the northern portion of the Wallins Creek quadrangle.

- MA-03026 Map folder with seven overlays showing geologic structure and coal bed data in the Benham 7.5' quadrangle, Kentucky:

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-179. 1962.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-187. 1962.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-201. 1963.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-205. 1963.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-218. 1963.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-226. 1963.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-260. 1964.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-276. 1964.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-314. 1964.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-319. 1964.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-347. 1964.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-348. 1964.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-373. 1965.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-408. 1965.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-418. 1965.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-441. 1965.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-480. 1965.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-501. 1966.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-522. 1966.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-640. 1967.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-641. 1967.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-677. 1967.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-708. 1968.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-713. 1968.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-732. 1968.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-716. 1969.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-801. 1969.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-855. 1969.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-927. 1971.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-950. 1971.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-963. 1972.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1119. 1973.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1126. 1973.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1129. 1974.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1251. 1975.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1264. 1975.

Published as: U.S. Geological Survey. Open-file report 75-257. 1975.

Published as: U.S. Geological Survey. Open-file report 75-352. 1975.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1308. 1976.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1309. 1976.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1310. 1976.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1317. 1976.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1322. 1976.

Published as: U.S. Geological Survey. Open-file report 76-234. 1976.

Published as: U.S. Geological Survey. Open-file report 76-253. 1976.

Published as: U.S. Geological Survey. Open-file report 76-565. 1976.

Published as: U.S. Geological Survey. Open-file report 76-579. 1976.

Published as: U.S. Geological Survey. Open-file report 76-692. 1976.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1369. 1977.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1373. 1977.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1410. 1977.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1416. 1977.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1424. 1977.

Published as: U.S. Geological Survey. Open-file report 77-519. 1977.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1463. 1978.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1470. 1978.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1474. 1978.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1480. 1978.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1495. 1978.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1498. 1978.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1502. 1978.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1505. 1978.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1674. 1990.

MISCELLANEOUS GEOLOGIC INVESTIGATIONS IN TENNESSEE AND WEST VIRGINIA.

NO-11727 A.J. Froelich. Field notebook with geologic notes for the Craigs ville, Little Birch and Widen 7.5' quadrangles, West Virginia, and the Lake City 7.5' quadrangle, Tennessee. 1980.

NO-11728 Field notebook with geologic notes and drill hole data for the "Fred Harris Farm, Model Quad, Tennessee". No date.