

George Featherstone Papers, 1977-1989

02-M-03

3.5 linear feet.

Organized into five series: Professional service and activities, 1981-1990, China Visit, 1988-1989, Accreditation Board for Engineering and Technology, 1986-1994, Course materials, 1978-1989, Slides.

Biographical information:

George J. Featherstone was a member of the faculty and head of the Department of Mining Engineering Technology at Bluefield State College from 1979-1989. He earned the E.M. (Engineer of Mines) from the Colorado School of Mines in 1943. From 1944-1946 he was a member of the U.S. Army Air Corps (20<sup>th</sup> Air Force) where he instructed air crews in prescribed training in survival and personal equipment. In 1948 he received the Master of Science in Mining Engineering from the School of Mines, Columbia University.

He worked for the American Cyanamid Company from 1947-1979. During the spring semesters of 1976 and 1977 he taught Coal Preparation at Bluefield State College as an Adjunct Professor. Upon retiring from American Cyanamid, he joined the faculty of the Engineering Technology Program at Bluefield State. Some highlights from his academic career include serving on the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology from 1987-1992. In 1983, he was selected as a Fellow in the American Society for Engineering Education Navy Summer Faculty Program at China Lake, California. His publications include reports on the mineral potential of China Lake Naval Weapons Center and Rand Wash. In 1988 he presented a paper at the International Symposium for Modern Mining Technology, Shandong Institute of Mining and Technology, People's Republic of China. After his retirement from Bluefield State he served as a consulting engineer specializing in mine design and coal processing until 1995.

Scope and Contents: The records consist of instructor's notes, transparency masters for classroom use, course syllabi, and correspondence relating to Mr. Featherstone's teaching responsibilities in the Department of Mining Engineering Technology at Bluefield State College. In addition, there are minutes, agendas, and correspondence relating to his service on the Technology Accreditation and correspondence relating to his participation in the International Symposium on Modern Mining Technology held at Shandong Institute of Mining and Technology, People's Republic of China.

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Subject Headings:

Accreditation Board for Engineering and Technology  
Accreditation Board for Engineering and Technology. Technology Accreditation  
Commission.  
Bluefield State College—Faculty  
Coal preparation  
Featherstone, George J.  
Mining Engineering  
Shandong Institute of Mining and Technology—People’s Republic of China, Taian

Container List:

Series 1: Professional service and activities

Box 1:

- F1: Naval Weapons Center, China Lake, CA. 1983. Fact sheet, character reference, memo to Dr. Jerrold Dugger.
- F2: Summer Faculty Fellowship. 1983. Final Technical Report, course outline.
- F3: Emergency Management Institute 1981. Correspondence, certificate, announcement, official roster.
- F4: Articles 1983. From SME (Society of Mining Engineers)-AIME Annual Meeting Atlanta, GA March 1983.
- F5: Naval Weapons Center 1983. Correspondence, receipts, tickets.
- F6: Lecture Outline: Faculty Luncheon Lecture Series November 4, 1981
- F7: Correspondence May 1989-Feb. 1990. Bulk relating to retirement.  
Correspondents: Sudhakar Jamkhani, Paula McCauley, Ivan Rahn, Marvin Music, Gennady Gritsko, R.E. Perkinson, Michael Karmis, Daniel Smith, Frank AtLee, Robert Raines, E. Morgan Massey, Philip Longenecker, Louis Hunter
- F8: Order of the Engineer Certificate. Signed 1987.

Series 2: China Visit

Box 2:

- F1: Exchange with the People’s Republic of China. Correspondence Nov. 1988-Nov. 1989. Correspondents: Sudhakar Jamkhani, Du Chongshu, Jim Li Ping, Wang Wan Ping, Gregory Adkins.
- F2: China Visit. 1988. Expenses, itinerary.
- F3: China. 1988. Travel expense account, instructions for preparation of papers, correspondence to Gov. Arch Moore, invitation, press release, notes, retirement memo to Frank Hart, “What is a Mining Engineering Technologist?”
- F4: Expenses. 1988. Receipts, passport.
- F5: China Trip. Souvenir items, folder two.
- F6: China Trip. Souvenir items, folder one.
- F7: China Trip. Travel information. 1988. Brochures, maps, G.F. notes, holiday letter from Allen and Ann Jonas, correspondence from Jack Caffery.

- F8: China Trip. Syllabus of Chinese Language. 1988.
- F9: Newspaper clippings 1988
- F10: "Recollection of China 1988 Visit" Clippings, brochure, notes on Chinese culture of interest by G.F., recollections of China by G.F.
- F11: China Visit 1989. Correspondence. Professor Du Chongshu

Series 3: ABET

Box 3

- F1: ABET 1993-1994 Criteria for Evaluating Programs
- F2: ABET-TAC Self-Study Questionnaire March 1987
- F3: ABET-TAC Criteria Committee Correspondence, Mar.-June 1987
- F4: ABET-TAC (Technology Accreditation Commission) Minutes July 1986, Feb. 1987
- F5: ABET-TAC 1987—Agenda, Working Notes, Directory of Officers, List of Activities
- F6: ABET & Society of Mining Engineers 1987—Curricular Responsibility
- F7: ABET-SME (Society of Mining Engineers) 1987 Health and Safety
- F8: ABET-AIME (American Institute of Mining Engineers) Liability 1987
- F9: ABET—Scott Seitz Study on Mining Engineering Technology Graduates 1986
- F10: ABET—Mining Engineering Enrollment 1987
- F11: Compendium of Current TAC/ABET Criteria for Accreditation 1986
- F12: SME Program Evaluator Recommendations June 16, 1991
- F13: ABET TAC Criteria 1991-1992
- F14: ABET TAC Criteria 1989-1990
- F15 & 16: ABET TAC (Technology Accreditation Commission) Questionnaire 1989
- F17: ABET Christmas Cards
- F18 & 19 ABET publications, separated

Series 4: Course materials

Box 4:

- F1: MIET 212: Coal preparation and analysis--Laboratory assignments, notes
- F2: MIET 212: Coal preparation and analysis—instructor's notes
- F3: MIET 206: Examples of stratigraphic logs and field reports
- F4: MIET 206: Syllabus—instructor's notes and reference materials
- F5: MIET 206: Advanced Mining Ventilation—Exam review, transparency masters
- F6: MIET 103: Geology of Coal—instructor's notes
- F7: Photos of the Engineering Technology Division
- F8: Professional Engineering Exam Review 1982

Box 5:

- F1-4: MIET 212 Instructor's notes. 1978. (four folders)
- F5: MIET 212 Consulting binder—Coal Marketing—References on Coal Marketing
- F6: MIET 212 Economic Benefits of Coal Cleaning Systems
- F7: MIET 212 Notes
- F8-11: MIET 212 Coal Preparation and analysis—Syllabi, instructor's notes (four folders)
- F12: Coal and coal mining in West Virginia

Box 6:

- F1-4: MIET 305-306 Syllabus, instructor's notes, transparency masters (four folders)
- F5: MIET 305 Environment Controls—Transparency masters
- F6: MIET 305 Coal stripping methods and equipment selection—Transparencies
- F7: MIET 305 Mine Plant Stripping Methods by Region—Annotated Workbook
- F8: MIET 305 Environmental Controls, Final Surface Mining Regulations
- F9: MIET 305 Surface Mining and Environment—Instructor's notes, picture essay notes
- F10: MIET 302 Instructor's notes
- F11: MIET 302 Mine Plant Surface Mining Equipment Chapters I-III—Exam, instructor's notes

Box 7:

- F1: MIET 409 Instructor's notes
- F2: MIET 409 Exam
- F3: MIET 408 Ventilation Guide Workbook. 1972.
- F4: MIET 408 Mine Systems—Reference materials, instructor's notes
- F5: MIET 402 Mine Safety and Engineering—Instructor's notes, transparency masters, problem
- F6: MIET 311 Roof Control Technology—Computerized Slope Stability Analysis of Refuse Piles and Impoundments by the Simplified Bishop Method
- F7: MIET 310 Roof Control Technology—Instructor's notes

Series 5: Slides:

- Coal in the U.S. 14 slides. Moved to slide cabinet. 10I.
- Pictures of Buddha. 2 slides. Moved to slide cabinet. 10H
- Mining in the PRC. 4 slides. Moved to slide cabinet. 10J
- One full slide tray on China visit.
- One half filled slide tray for MIET 305-1.

Separations:

Blueprint:

Flow Diagram for Itmann Preparation Plan. Moved to Flat File Drawer 1.

Plaque:

Student Government Association. Bluefield State College. George Featherstone. Advisor. 1986-1987. Phocopied, plaque discarded.

Published material:

*ABET Accreditation Yearbook: For Accreditation Cycle Ended July 1991*  
Accreditation Board for Engineering and Technology, Inc. New York, NY.  
pp. 80 & 91, Featherstone reference.

Accreditation Board for Engineering and Technology, Inc. 59<sup>th</sup> Annual Report.  
September 30, 1991.

Accreditation Board for Engineering and Technology, Inc. Directory. Effective July 19,  
1992 through October 29, 1992.

Agricola, Georgius. *De Re Metallica*. Translated from the First Latin Edition by Herbert  
Clark Hoover and Lou Henry Hoover. NY: Dover, 1950.

*Annual Book of ASTM Standards. Section 5: Petroleum products, Lubricants, and Fossil  
Fuels*. Philadelphia, PA: ASTM, 1988.

Annual Report for the Year Ending September 30, 1989. Accreditation Board for  
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pp. 173 & 192, Featherstone reference.

Austin, Carl F., Featherstone, George J., and [et.al.]. Mineral Deposits and Mineral  
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[198?]

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*Illustrated Underground Mining Methods*. Harrisburg, Pennsylvania: Skelly and Loy, 1981.

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Leonard, Joseph W. *Coal Preparation*. NY: The American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc., 1979.

Pen, Syd S. *Coal Mine Ground Control*. NY: John Wiley & Sons, 1978.

Proceedings of the International Symposium on Modern Mining Technology, October 1988. Taian, Shandong, P.R.C.: Shandong Institute of Mining and Technology, 1988. Includes: Featherstone, George J., "Mining Engineering Technology" A Proven Approach for Meeting the Needs of the Industry for Trained Trechnicians and Technologists." Pp 685-692

U.S. Department of Agriculture. *Soil Conservation Service. Method for Estimating Volume and Rate of Runoff in Small Watersheds*. April 1973.

Terry, Richard L. *The Economic Benefits of Coal Cleaning systems. Presented at Coal Conference and Expo VI. October 27-29, 1981*. Louisville, Kentucky.

Tourbier, J. Toby, and Richard Westmacott. *A Handbook for Small Surface Coal Mine Operators*. Water Resources Center University of Delaware, 1980.

*Welcome to Naval Weapons Center China Lake: Unofficial Directory and Guide.*  
Riverside, CA: Armed Services Press, 1980.

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West Virginia Department of Natural Resources. Division of Reclamation. Technical Handbook of Standards and Specifications for Erosion and Sediment Control: Excess Spoil Disposal: Haulageways for Mining Operations in West Virginia. 1985.